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Introduction

General

Waterborne Commerce of the United States, WCUS, Part 3 is one of a series of publications which provides statistics on the foreign and domestic waterborne commerce moved on the United States waters. WCUS, Parts 1-4 present detailed data on the movements of vessels and commodities at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands.

The publication numbers and the geographical areas covered in **WCUS, Parts 1-5** are detailed below:

WCUS, Part 1 Atlantic Coast

WCUS, Part 2 Gulf Coast, Mississippi River System and Antilles

WCUS, Part 3 Great Lakes

WCUS, Part 4 Pacific Coast, Alaska and Hawaii

WCUS, Part 5 National Summaries

Legal Authority

The legal authority for the collection, compilation and publication of waterborne commerce statistics by the Army Corps of Engineers is Section 11 of the Rivers and Harbors Appropriations Act of 1922 (42 Stat. 1043), as amended, and codified in 33 U.S.C. 555 and provides the following:

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 the Army: Provided. That this provision shall not apply to those rafting logs, except upon

a direct request upon the owner to furnish specific information.

Every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of not more than \$5,000 or imprisonment not exceeding two months, to be enforced in any district court of the United States within whose territorial jurisdiction such offense may have been committed. In addition, the Secretary may assess a civil penalty of up to \$2,500 per violation against any person or entity, that fails to provide timely, accurate statements required to be submitted pursuant to this section by the Secretary.

The vessel and commodity movement information collected and compiled is designed to meet the data requirements of the Department of the Army in connection with the duties assigned by Congress. These data also provide valuable information for other governmental departments, commercial and shipping concerns and others interested in the U.S. transportation industry.

Domestic Commerce

Contiguous and non-contiguous states and territories constitute the geographical space upon which domestic commerce may be transported. This includes Hawaii, Alaska, the 48 contiguous states, Puerto Rico and the Virgin Islands, Guam, American Samoa, Wake Island and the U.S. Trust Territories.

The waterborne traffic movements are reported to the Corps of Engineers by all vessel operators of record on ENG Forms 3925 and 3925b (or equivalent) approved by the Office of Management and Budget under the Paperwork Reduction Act (44 U.S.C. 3510(a)). The reports are generally submitted on the basis of

individual vessel movements completed. For movements with cargo, the point of loading and the point of unloading of each individual commodity must be delineated. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo movements in Department of Defense vessels are not collected.

In summarizing the domestic commerce certain movements are excluded: Cargo carried on general ferries; coal and petroleum products loaded from shore facilities directly into bunkers of vessels for fuel; and insignificant amounts of government materials (less than 100 tons) moved on government owned equipment in support of Corps projects.

The fish landing data is furnished by the National Marine Fisheries Service. No domestic fishing vessel trips are included in the trip and draft data of the Trips and Drafts Section.

Foreign Commerce

Foreign commerce is waterborne import and export traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between Guam, Wake Island and American Samoa and any other foreign country.

Foreign commerce data is furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Management and Budget. The data is confined to vessel movements by water and is reconcilable with published reports of the Bureau of the Census with the exception of LOOP Oil Terminal and Skagway Wharf reports which are manually entered as imports by the Corps of Engineers.

The Republic of Panama is considered a foreign country. However, individual vessel movements with origin and destination at United States ports traveling via the Panama Canal are considered domestic traffic. Alaskan crude oil (origin at Valdez, AK) shipped via the Panama pipeline (west to east) and destined for gulf and east coast ports is also considered domestic commerce.

Import and export shipments for use of the United States Armed Forces abroad are not reported to the Waterborne Commerce Statistics Center (WCSC). Beginning with calendar year

1989 shipments under the military assistance program of the Department of Defense are included in the statistics under the appropriate commodity code. In prior years these cargoes were given as commodity code 9999.

Commodity Descriptions

The first two digits of the WCSC publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as, with commodity movements of other countries.

Tonnage

The tonnage figures provided throughout the **WCUS, Parts 1-5** represent short tons (2000 pounds). Tonnage figures are rounded to the nearest 1000 tons.

A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Some freight tables have "Total" and "Grand Total". The "Total" means that in some cases it is the total for domestic or foreign and Canadian traffic. The "Grand Total" specifically represents the sum total of all the different traffics, including all domestic and foreign traffic. If a particular column or traffic type has only dashes and zeroes in the tonnage fields for that entire freight table then that column (traffic type) will not print.

Ton-Miles

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports. For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Ton-miles are rounded to the nearest 1000 ton-miles. The ton-mile data appears in the publication by traffic type at the end of a

particular freight table for a given project. Since there are columns that will not print (see tonnage above) the ton-miles associated with these columns will likewise not be included in the total ton-miles for that particular freight table. They will be included in "Ton-miles All Traffic" at the end of the project.

Trips

A trip is a vessel movement. For self-propelled vessels, a trip is logged between every point of departure and every point of arrival. For loaded barges, a trip is logged from the point of the loading of the barge to the point of unloading of the barge (i.e., excluding fleeting areas). For empty barges, trips are logged from point of unloading to the point of loading counting the fleeting areas in between (e.g. if an empty barge moved from Dock A to Dock B and the barge stopped at three fleeting areas in between, then four trips are logged.)

Some towboat trips and empty barge moves

are estimated from a sample to expedite processing and reduce costs. Even with sampling, however, the number of towboat trips are calculated from more than 70% of the total number of towboat moves reported, and the number of barge trips are derived from more than 85% of the total number of barge trips reported.

The number of trips also includes vessels engaged in foreign trade. These moves are furnished by the Bureau of the Census who process the data collected on U.S. Customs Service entrance and clearance forms.

To more accurately reflect actual traffic patterns (e.g. inbound versus outbound trip counts), some adjustments are made to the trip counts in the trip and draft tables in this publication.

Special Interest

... Passenger totals are not included in this publication but are available on request.

Terminology

Types of Traffic

Foreign

Imports

Overseas: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in foreign countries other than Canada.

Canadian: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in Canada.

Exports

Overseas: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for foreign countries other than Canada.

Canadian: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for Canada.

Intransit Merchandise: Inbound merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import. Intransit merchandise is treated as an **Import** when unloaded from a vessel and as an **Export** when loaded onto a vessel.

Domestic

Coastwise: 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, Alaska to Hawaii). Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed **Coastwise**.

Lakewise: Waterborne traffic between the United States ports on the Great Lakes System. The Great Lakes System is treated as a separate waterway system rather than as a part of the inland waterway system. In comparing historical data for the Great Lakes System, one should note that prior to calendar year 1990, marine products, and sand and gravel being moved from the Great Lakes to Great Lake destinations were classified as local traffic. From 1990 on, these activities are classified as lakewise traffic.

Internal: Vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska. The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes; those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.

Intraport: Movement of freight within the confines of a port whether the port has one or several arms or channels included in the port definition. This traffic type will not include car-ferries and general ferries moving within a port.

Through: Movements transiting a waterway, or stretch thereof, as defined in the project description of individual tables, and having origins and destinations outside of the defined area.

Intra-waterway: Movements within the limits of a river, waterway or canal. This traffic will not include car-ferries and general ferries moving within a waterway or Corps project.

Intra-territory: Traffic between ports in Puerto Rico and the Virgin Islands, which are considered a single unit.

Traffic Direction

Waterways

Upbound: Traffic that moves in an upstream direction. For waterways without a characteristic monodirectional flow (e.g. the Gulf Intracoastal Waterway), "upbound" means in a northerly or easterly direction.

Downbound: Traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or westerly direction.

Inbound: Traffic moving from one waterway into another where the destination is on the subject waterway.

Outbound: Traffic moving from one waterway into another where the origin is on the subject waterway.

Ports

Receipts: Traffic moving from one location to another where the destination is within the limits of the subject port.

Shipments: Traffic moving from one location to another where the origin is within the limits of the subject port.

Commodity Descriptions: The first two digits of the Waterborne Commerce Statistics Center (WCSC) publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard Industrial Trade Classification (SITC) Revision 3 commodity codes. SITC, Rev. 3 commodity codes conform to the Harmonized Commodity Description and Coding System (HS). Using SITC, Rev. 3 allows direct comparisons with U.S. imports and exports, as well as with commodity movements of other countries.

Tons: The tonnage figures provided throughout the *Waterborne Commerce of the United States, WCUS, Parts 1-5* represent short tons (2000 pounds).

Where noted, tonnage figures are rounded to the nearest thousand tons. A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

Ton-miles: Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles. Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water (e.g. 50 short tons moving 200 miles on a particular waterway would yield 10,000 ton-miles for that waterway). The ton-mile parameter measures the total performance of a waterway. Ton-miles are not computed for ports.

For coastwise traffic this represents the mileage on the shortest route that safe navigation permits between the point of origin and destination. The source of this distance information for coastwise traffic is the publication, *Distance Between United States Ports*, published by the National Oceanic and Atmospheric Administration (1987).

For rivers and inland waterways the distances were computed from waterway survey maps and records of the Corps of Engineers.

For the Great Lakes System the ton-miles are computed for movements of cargo west of the

international boundary of St. Regis, Quebec, Canada to head of Lake Superior at Duluth, MN and Superior, WI.

For Canadian imports and exports, foreign ton-miles are computed as the tonnage times the distance between the U.S. and Canadian ports.

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports.

For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels.

Ton-miles are rounded to the nearest thousand.

Trans-shipments: Ports and offshore anchorages where cargo is moved from one vessel to another. These are: St. Lucia, Virgin Islands; Heald Bank off the Louisiana and Texas coasts; Chirqui Grande, Panama; Puerto Armuelles, Panama; and Hondo Platform-Pacific Ocean.

Commodity Classification List

<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u> <u>Pub Name</u>	<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u> <u>Pub Name</u>
00	Units				3281 Radioactive Material
		0200 Vehicles			3282 Pigments & Paints
		0300 Passengers			3283 Coloring Mat. NEC
10	Coal				3284 Medicines
		1100 Coal			3285 Perfumes & Cleansers
		1200 Coal Coke			3286 Plastics
20	Petroleum & Petroleum Products				3291 Pesticides
	21 Crude Petroleum				3292 Starches,Gluten,Glue
		2100 Crude Petroleum			3293 Explosives
	22-29 Petroleum Products				3297 Chemical Additives
		2211 Gasoline	40	Crude Materials, Inedible Except Fuels	3298 Wood & Resin Chem.
		2221 Kerosene		41 Forest Products, Wood and Chips	3299 Chem. Products NEC
		2330 Distillate Fuel Oil			
		2340 Residual Fuel Oil		4110 Rubber & Gums	
		2350 Lube Oil & Greases		4150 Fuel Wood	
		2410 Petro. Jelly & Waxes		4161 Wood Chips	
		2429 Naphtha & Solvents		4170 Wood in the Rough	
		2430 Asphalt, Tar & Pitch		4189 Lumber	
		2540 Petroleum Coke		4190 Forest Products NEC	
		2640 Liquid Natural Gas	42	Pulp and Waste Paper	
		2990 Petro. Products NEC		4225 Pulp & Waste Paper	
30	Chemicals and Related Products		43	Soil, Sand, Gravel, Rock and Stone	
	31 Fertilizers				4310 Building Stone
		3110 Nitrogenous Fert.			4322 Limestone
		3120 Phosphatic Fert.			4323 Gypsum
		3130 Potassic Fert.			4327 Phosphate Rock
		3190 Fert. & Mixes NEC			4331 Sand & Gravel
	32 Other Chemicals and Related Products				4333 Dredged Material
		3211 Acyclic Hydrocarbons			4335 Waterway Improv. Mat
		3212 Benzene & Toluene			4338 Soil & Fill Dirt
		3219 Other Hydrocarbons	44	Iron Ore and Scrap	
		3220 Alcohols		4410 Iron Ore	
		3230 Carboxylic Acids		4420 Iron & Steel Scrap	
		3240 Nitrogen Func. Comp.	45	Marine Shells	
		3250 Organo-Inorganic Comp.		4515 Marine Shells	
		3260 Organic Comp. NEC	46	Non-Ferrous Ores and Scrap	
		3271 Sulphur (Liquid)		4630 Copper Ore	
		3272 Sulphuric Acid		4650 Aluminum Ore	
		3273 Ammonia		4670 Manganese Ore	
		3274 Sodium Hydroxide		4680 Non-Ferrous Scrap	
		3275 Inorg. Elem.,Oxides, & Halogen Salts		4690 Non-Ferrous Ores NEC	
		3276 Metallic Salts	47	Sulphur, Clay and Salt	
		3279 Inorganic Chem. NEC		4741 Sulphur, (Dry)	
				4782 Clay & Refrac. Mat.	
				4783 Salt	
			48	Slag	
				4860 Slag	

Commodity Classification List (continued)

<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>	<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>
	49	Other Non-Metal. Min.		6781		Hay & Fodder	
		4900	Non-Metal. Min. NEC	6782		Animal Feed, Prep.	
50	Primary Manufactured Goods			68	Other Agricultural Products		
	51	Paper Products		6811	Meat, Fresh, Frozen		
		5110	Newsprint	6817	Meat, Prepared		
		5120	Paper & Paperboard	6822	Dairy Products		
		5190	Paper Products NEC	6835	Fish, Prepared		
	52	Lime, Cement and Glass		6838	Tallow, Animal Oils		
		5210	Lime	6839	Animals & Prod. NEC		
		5220	Cement & Concrete	6856	Bananas & Plantains		
		5240	Glass & Glass Prod.	6857	Fruit & Nuts NEC		
		5290	Misc. Mineral Prod.	6858	Fruit Juices		
	53	Primary Iron and Steel Products		6861	Sugar		
		5312	Pig Iron	6865	Molasses		
		5315	Ferro Alloys	6871	Coffee		
		5320	I&S Primary Forms	6872	Cocoa Beans		
		5330	I&S Plates & Sheets	6885	Alcoholic Beverages		
		5360	I&S Bars & Shapes	6887	Groceries		
		5370	I&S Pipe & Tube	6888	Water & Ice		
		5390	Primary I&S NEC	6889	Food Products NEC		
	54	Primary Non-Ferrous Metal Products		6891	Tobacco & Products		
		5421	Copper	6893	Cotton		
		5422	Aluminum	6894	Natural Fibers NEC		
		5429	Smelted Prod. NEC	6899	Farm Products NEC		
		5480	Fab. Metal Products				
	55	Primary Wood Products; Veneer		70	All Manufactured Equipment, Machinery and Products		
		5540	Primary Wood Prod.				
60	Food and Farm Products			7110	Machinery (Not Elec)		
	61	Fish		7120	Electrical Machinery		
		6134	Fish (Not Shellfish)	7210	Vehicles & Parts		
		6136	Shellfish	7220	Aircraft & Parts		
	62-64	Grain		7230	Ships & Boats		
		6241	Wheat	7300	Ordnance & Access.		
		6344	Corn	7400	Manufac. Wood Prod.		
		6442	Rice	7500	Textile Products		
		6443	Barley & Rye	7600	Rubber & Plastic Pr.		
		6445	Oats	7800	Empty Containers		
		6447	Sorghum Grains	7900	Manufac. Prod. NEC		
	65	Oilseeds		80	Waste and Scrap NEC		
		6521	Peanuts	8900	Waste and Scrap NEC		
		6522	Soybeans				
		6534	Flaxseed	90	Unknown or Not Elsewhere Classified		
		6590	Oilseeds NEC	99	Unknown or Not Elsewhere Clsfd		
	66	Vegetable Products		9900	Unknown or NEC		
		6653	Vegetable Oils				
		6654	Vegetables & Prod.				
	67	Processed Grain and Animal Feed					
		6746	Wheat Flour				
		6747	Grain Mill Products				

TABLE 1-TON-MILEAGE OF UNITED STATES FREIGHT CARRIED ON THE GREAT LAKES BY AREA, CALENDAR YEAR 1996
(thousand ton-miles)

Area	Area Totals	Foreign				Domestic						
		Overseas		Canadian		Coastwise		Lakewise		Internal		Intraport
		In/Out	Through	In/Out	Through	In/Out	Through	In/Out	Through	In/Out	Through	In/Out
DETROIT RIVER, MI	2,089,902	36,179	157,710	78,482	574,888	---	---	223,993	1,016,281	2,249	120	---
*LAKE ERIE	12,518,739	501,982	1,780,461	3,024,748	3,699,022	---	---	3,506,915	5,001	426	---	184
LAKE HURON	24,709,085	3	1,390,935	1,065,460	4,581,195	---	---	5,027,167	12,643,213	---	1,111	---
**LAKE MICHIGAN	19,509,013	1,428,616	---	3,862,869	---	---	---	14,047,849	---	22,610	---	147,069
***LAKE ONTARIO	9,134,815	73	3,487,361	78,198	5,552,940	---	---	387	15,857	---	---	---
LAKE SUPERIOR	25,881,693	893,276	---	3,547,179	521,952	---	---	20,919,273	---	1	---	12
ST. CLAIR RIVER, MI	2,815,637	519	197,863	4,602	781,243	---	---	183,699	1,647,559	---	151	---
****ST. LAWRENCE RIVER	2,465,577	9,851	987,462	3,908	1,456,353	---	---	8,003	---	---	---	0
ST. MARYS RIVER, MI	4,935,499	398	148,316	14,019	872,113	---	---	52,530	3,848,122	---	---	---
WELLAND CANAL, CANADA	818,225	---	242,638	---	574,225	---	---	---	1,363	---	---	---
NET UNITED STATES TRAFFIC ON THE GREAT LAKES	104,878,185	11,263,642		30,293,399		---		63,147,211		26,668		147,265

* Including Upper Niagara River
 ** Including the Port of Chicago (Chicago Harbor, North Branch, South Branch, Sanitary Ship Canal, Calumet-Sag Channel, Lake Calumet and Calumet Harbor and River)
 *** Including Lower Niagara River
 **** Between international boundary line and Lake Ontario

TABLE 2-FREIGHT TONS OF UNITED STATES TRAFFIC CARRIED ON THE GREAT LAKES BY AREA, CALENDAR YEAR 1996
(thousand short tons)

Area	Area Totals	Foreign				Domestic						
		Overseas		Canadian		Coastwise		Lakewise		Internal		Intraport
		In/Out	Through	In/Out	Through	In/Out	Through	In/Out	Through	In/Out	Through	In/Out
DETROIT RIVER, MI	75,023	1,669	5,087	4,625	18,545	---	---	12,103	32,783	208	4	---
*LAKE ERIE	87,915	2,140	6,801	18,595	14,614	---	---	45,559	19	4	---	184
LAKE HURON	114,151	0	5,073	4,246	19,187	---	---	21,959	63,682	---	4	---
**LAKE MICHIGAN	66,993	2,747	---	8,251	---	---	---	46,907	---	3,125	---	5,962
***LAKE ONTARIO	30,691	0	8,940	626	21,024	---	---	2	48	12	---	37
LAKE SUPERIOR	77,945	2,317	---	10,187	3,003	---	---	62,426	---	1	---	12
ST. CLAIR RIVER, MI	78,546	14	5,073	500	20,032	---	---	10,677	42,245	---	4	---
****ST. LAWRENCE RIVER	22,181	44	8,896	74	13,118	---	---	48	---	---	---	0
ST. MARYS RIVER, MI	78,939	9	2,317	314	14,767	---	---	1,404	60,127	---	---	---
WELLAND CANAL, CANADA	30,117	---	8,940	---	21,126	---	---	---	50	---	---	---
NET UNITED STATES TRAFFIC ON THE GREAT LAKES	181,773	8,940		48,330		---		114,958		3,349		6,195

* Including Upper Niagara River

** Including the Port of Chicago (Chicago Harbor, North Branch, South Branch, Sanitary Ship Canal, Calumet-Sag Channel, Lake Calumet and Calumet Harbor and River)

*** Including Lower Niagara River

**** Between international boundary line and Lake Ontario

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	148,108	1990	167,140	1993	159,628	1996	181,773
1988	168,816	1991	151,051	1994	175,275		
1989	168,902	1992	159,947	1995	177,750		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign				Domestic		
		Imports		Exports		Lakewise	Internal	Inraport
		Canadian	Overseas	Canadian	Overseas			
Total, all commodities	181,773	19,082	5,421	29,248	3,520	114,958	3,349	6,195
Total coal	37,820	630	19	11,494	21	21,186	492	3,980
1100 coal lignite	36,373	546	---	11,020	1	20,852	---	3,953
1200 coal coke	1,448	83	19	473	20	333	492	27
Total petroleum and petroleum products	6,219	885	1	1,084	123	1,974	1,418	732
Subtotal crude petroleum	48	22	---	---	---	---	16	10
2100 crude petroleum	48	22	---	---	---	---	16	10
Subtotal petroleum products	6,171	863	1	1,084	123	1,974	1,403	722
2211 gasoline	781	363	---	111	---	283	25	0
2221 kerosene	4	---	---	2	---	1	2	---
2330 distillate fuel oil	972	97	---	10	---	436	258	172
2340 residual fuel oil	925	157	---	184	---	255	207	123
2350 lube oil & greases	119	11	0	15	0	4	67	22
2410 petro. jelly & waxes	0	---	0	---	0	---	---	---
2429 naphtha & solvents	76	17	---	1	0	---	2	56
2430 asphalt, tar & pitch	1,668	8	1	106	8	916	596	35
2540 petroleum coke	1,624	210	---	655	115	80	248	315
2640 liquid natural gas	1	0	---	---	---	1	---	0
Total chemicals and related products	1,503	525	88	300	64	153	233	140
Subtotal fertilizers	593	386	57	54	0	20	76	---
3110 nitrogenous fert.	197	55	57	0	0	20	66	---
3120 phosphatic fert.	32	22	---	---	---	---	9	---
3130 potassic fert.	309	309	---	---	---	---	---	---
3190 fert. & mixes nec	56	---	0	54	0	0	2	---
Subtotal other chemicals and related products	910	139	31	246	64	133	157	140
3211 acyclic hydrocarbons	0	---	0	---	0	---	---	---
3212 benzene & toluene	57	---	0	24	---	---	---	33
3219 other hydrocarbons	95	10	7	0	1	---	28	48
3220 alcohols	143	7	0	77	1	---	---	58
3230 carboxylic acids	8	0	6	0	2	---	---	---
3240 nitrogen func. comp.	8	4	0	0	4	---	---	---
3250 organo-inorganic comp.	3	0	0	0	2	---	---	---
3260 organic comp. nec	5	---	0	2	3	---	---	---
3272 sulphuric acid	19	---	---	19	---	---	---	---
3273 ammonia	3	3	---	---	---	---	---	---
3274 sodium hydroxide	96	---	0	96	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	15	13	1	0	1	0	---	---
3276 metallic salts	389	99	11	27	1	133	118	---
3279 inorganic chem. nec	0	---	0	---	0	---	---	---
3281 radioactive material	0	---	---	---	0	---	---	---
3282 pigments & paints	5	3	0	0	2	---	---	---
3283 coloring mat. nec	0	0	0	---	0	---	---	---
3284 medicines	5	---	1	0	4	---	---	---
3285 perfumes & cleansers	16	0	0	0	16	---	---	---
3286 plastics	17	0	2	1	14	---	---	---
3291 pesticides	0	---	0	---	0	0	---	---
3292 starches, gluten, glue	8	0	1	---	7	---	---	---
3297 chemical additives	15	0	1	---	4	---	11	---
3298 wood & resin chem.	0	---	---	---	0	---	---	---
3299 chem. products nec	3	0	0	0	3	---	---	---
Total crude materials, inedible except fuels	115,853	13,332	424	12,141	231	88,011	376	1,338
Subtotal forest products, wood and chips	265	101	0	161	1	1	0	0
4110 rubber & gums	0	---	---	---	0	---	---	---
4161 wood chips	0	---	---	---	---	0	---	---
4170 wood in the rough	0	0	---	---	0	---	---	---
4189 lumber	263	101	0	161	0	1	0	0
4190 forest products nec	1	---	0	0	1	0	---	---
Subtotal pulp and waste paper	29	1	9	---	20	---	---	---
4225 pulp & waste paper	29	1	9	---	20	---	---	---
Subtotal soil, sand, gravel, rock and stone	35,397	1,963	1	4,477	3	27,765	80	1,108
4310 building stone	4	2	0	0	0	---	---	---
4322 limestone	30,237	29	---	4,192	---	26,006	10	---
4323 gypsum	995	---	---	15	2	921	57	---
4327 phosphate rock	5	---	---	5	---	---	---	---
4331 sand & gravel	4,002	1,932	0	264	1	750	0	1,056
4335 waterway improv. mat	153	---	---	---	---	88	12	53
4338 soil & fill dirt	0	---	---	---	---	0	---	---

TABLE 3 - NET SUMMARY OF FOREIGN AND DOMESTIC FREIGHT CARRIED ON THE GREAT LAKES
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign				Domestic		
		Imports		Exports		Lakewise	Internal	Intraport
		Canadian	Overseas	Canadian	Overseas			
Subtotal iron ore and scrap	72,051	6,733	165	6,578	14	58,378	54	130
4410 iron ore	71,373	6,626	---	6,559	---	58,062	---	126
4420 iron & steel scrap	677	107	165	18	14	316	54	4
Subtotal non-ferrous ores and scrap	455	98	220	24	45	---	67	---
4650 aluminum ore	113	---	28	17	2	---	66	---
4680 non-ferrous scrap	176	---	174	0	2	---	---	---
4690 non-ferrous ores nec	166	98	19	7	40	---	1	---
Subtotal sulphur, clay and salt	936	659	20	115	136	---	6	---
4782 clay & refrac. mat.	936	659	20	115	136	---	6	---
Subtotal slag	998	15	10	18	---	791	163	---
4860 slag	998	15	10	18	---	791	163	---
Subtotal other non-metal. min.	5,723	3,762	0	767	12	1,076	6	100
4900 non-metal. min. nec	5,723	3,762	0	767	12	1,076	6	100
Total primary manufactured goods	12,118	2,988	4,835	241	56	3,237	756	4
Subtotal paper products	21	1	1	13	6	---	---	---
5110 newsprint	2	0	---	2	---	---	---	---
5120 paper & paperboard	17	1	1	11	4	---	---	---
5190 paper products nec	2	0	0	0	2	---	---	---
Subtotal lime, cement and glass	5,987	2,789	94	213	7	2,883	0	1
5220 cement & concrete	5,973	2,788	89	212	---	2,882	---	1
5240 glass & glass prod.	6	---	1	0	5	---	---	---
5290 misc. mineral prod.	8	0	4	0	3	1	0	0
Subtotal primary iron and steel products	5,955	165	4,634	13	31	354	755	3
5312 pig iron	261	114	84	8	0	15	40	---
5315 ferro alloys	48	---	39	0	---	---	8	---
5320 i&s primary forms	1,493	---	1,190	---	0	1	302	---
5330 i&s plates & sheets	3,704	51	2,965	5	22	269	390	3
5360 i&s bars & shapes	292	0	286	---	6	---	---	0
5370 i&s pipe & tube	16	0	14	0	2	0	---	---
5390 primary i&s nec	141	0	57	0	0	69	14	---
Subtotal primary non-ferrous metal products	152	33	106	2	10	0	1	0
5421 copper	1	---	0	0	0	---	---	---
5422 aluminum	36	32	2	1	1	---	---	---
5429 smelted prod. nec	88	0	86	0	2	---	---	---
5480 fab. metal products	27	1	17	2	7	0	1	0
Subtotal primary wood products	3	1	0	1	1	---	---	---
5540 primary wood prod.	3	1	0	1	1	---	---	---
Total food and farm products	8,081	707	4	3,979	2,962	355	73	---
Subtotal fish	1	---	---	1	0	---	---	---
6134 fish (not shellfish)	0	---	---	0	0	---	---	---
6136 shellfish	0	---	---	0	---	---	---	---
Subtotal grain	5,644	705	0	2,445	2,124	354	17	---
6241 wheat	3,398	137	---	1,288	1,648	323	3	---
6344 corn	1,526	---	---	1,132	380	---	14	---
6442 rice	0	---	0	0	---	---	---	---
6443 barley & rye	524	433	---	---	92	---	---	---
6445 oats	196	135	---	25	5	30	---	---
6447 sorghum grains	0	---	---	---	0	---	---	---
Subtotal oilseeds	2,334	---	0	1,492	786	---	57	---
6521 peanuts	0	---	---	0	---	---	---	---
6522 soybeans	2,303	---	---	1,461	785	---	57	---
6590 oilseeds nec	32	---	0	31	0	---	---	---
Subtotal vegetable products	8	1	1	1	6	---	---	---
6653 vegetable oils	2	0	0	1	0	---	---	---
6654 vegetables & prod.	6	0	1	0	5	---	---	---
Subtotal processed grain and animal feed	47	1	0	28	17	0	---	---
6746 wheat flour	0	---	---	0	---	---	---	---
6747 grain mill products	6	1	0	4	0	0	---	---
6781 hay & fodder	2	---	---	2	---	---	---	---
6782 animal feed, prep.	39	0	0	22	17	---	---	---
Subtotal other agricultural products	47	1	3	13	30	1	---	---
6811 meat, fresh, frozen	2	---	0	0	1	---	---	---
6817 meat, prepared	0	---	0	---	0	---	---	---
6822 dairy products	1	---	0	0	0	---	---	---
6835 fish, prepared	1	---	0	1	0	---	---	---
6838 tallow, animal oils	16	---	0	---	16	---	---	---
6839 animals & prod. nec	2	---	0	0	2	---	---	---
6857 fruit & nuts nec	3	0	0	0	2	0	---	---
6858 fruit juices	2	---	1	1	0	---	---	---
6861 sugar	3	---	0	2	0	---	---	---
6865 molasses	6	---	---	6	---	---	---	---
6871 coffee	2	---	0	2	---	---	---	---
6872 cocoa beans	0	---	0	---	---	---	---	---
6885 alcoholic beverages	3	0	1	0	0	---	---	---
6887 groceries	0	---	---	---	---	0	---	---
6888 water & ice	0	---	0	0	0	0	---	---
6889 food products nec	6	0	0	0	5	0	---	---
6891 tobacco & products	0	---	0	---	0	---	---	---
6899 farm products nec	1	---	0	---	1	---	---	---

TABLE 3 - NET SUMMARY OF FOREIGN AND DOMESTIC FREIGHT CARRIED ON THE GREAT LAKES
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign				Domestic		
		Imports		Exports		Lakewise	Internal	Intraport
		Canadian	Overseas	Canadian	Overseas			
Total all manufactured equipment, machinery and products	156	11	49	8	63	25	1	1
7110 machinery (not elec)	64	7	27	4	24	2	1	1
7120 electrical machinery	16	1	6	0	9	---	---	---
7210 vehicles & parts	19	3	6	0	11	0	---	0
7220 aircraft & parts	0	0	0	---	0	---	---	---
7230 ships & boats	1	0	0	1	0	---	---	---
7300 ordnance & access.	0	0	---	---	0	---	---	---
7400 manufac. wood prod.	4	---	3	0	0	1	0	0
7500 textile products	5	0	2	1	1	---	---	---
7600 rubber & plastic pr.	10	0	2	0	8	---	---	---
7900 manufac. prod. nec	37	0	4	1	10	22	---	0
Total waste and scrap nec	0	---	---	---	---	0	---	0
8900 waste and scrap nec	0	---	---	---	---	0	---	0
Total unknown or not elsewhere classified	22	3	1	0	0	17	---	---
9900 unknown or nec	22	3	1	0	0	17	---	---

WAUKEGAN HARBOR, IL

Section Included: Artificial harbor basin of about 13.5 acres and entrance channel from Lake Michigan approximately 2,200 feet in length. Project Depth: 22 feet in entrance channel; 18 feet between piers and inner basin; 8 feet in anchorage area of approximately 6 acres.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	458	1990	490	1993	577	1996	469
1988	480	1991	598	1994	604		
1989	470	1992	520	1995	496		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise
		Receipts
Total, all commodities	469	469
Total crude materials, inedible except fuels	286	286
Subtotal soil, sand, gravel, rock and stone	286	286
4323 gypsum	286	286
Total primary manufactured goods	183	183
Subtotal lime, cement and glass	183	183
5220 cement & concrete	183	183

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

Section Included: Main River from Rush Street to junction of North and South Branch; North Branch to North Avenue. Project Depth: 21 feet from Rush Street in the Main River to North Avenue in the North Branch, including the North Branch Canal and the North Turning Branch Basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,814	1990	2,207	1993	1,764	1996	700
1988	1,779	1991	1,802	1994	1,944		
1989	1,709	1992	1,337	1995	867		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	700	465	74	145	15
Total petroleum and petroleum products	49	---	---	36	13
Subtotal petroleum products	49	---	---	36	13
2330 distillate fuel oil	2	---	---	2	---
2340 residual fuel oil	10	---	---	---	10
2430 asphalt, tar & pitch	33	---	---	33	---
2540 petroleum coke	3	---	---	---	3
Total chemicals and related products	111	---	---	108	3
Subtotal fertilizers	3	---	---	---	3
3110 nitrogenous fert.	3	---	---	---	3
Subtotal other chemicals and related products	108	---	---	108	---
3276 metallic salts	108	---	---	108	---
Total crude materials, inedible except fuels	514	439	74	---	---
Subtotal soil, sand, gravel, rock and stone	346	346	---	---	---
4331 sand & gravel	346	346	---	---	---
Subtotal iron ore and scrap	74	---	74	---	---
4420 iron & steel scrap	74	---	74	---	---
Subtotal other non-metal. min.	93	93	---	---	---
4900 non-metal. min. nec	93	93	---	---	---
Total primary manufactured goods	26	26	---	---	---
Subtotal lime, cement and glass	23	23	---	---	---
5220 cement & concrete	23	23	---	---	---
Subtotal primary wood products	3	3	---	---	---
5540 primary wood prod.	3	3	---	---	---
Total all manufactured equipment, machinery and products	1	---	---	1	---
7110 machinery (not elec)	1	---	---	1	---
Ton-miles (x1000)	118	42	76	0	0
Tons All Traffic (x1000)	700				
Ton-miles All Traffic (x1000)	118				

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

Section Included: Damen Avenue to Lake Street. Project Depth: 9 feet at low water stages.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,371	1990	2,857	1993	2,368	1996	1,088
1988	2,054	1991	2,461	1994	2,844		
1989	2,220	1992	1,853	1995	1,226		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,088	363	25	480	219
Total petroleum and petroleum products	49	---	---	13	36
Subtotal petroleum products	49	---	---	13	36
2330 distillate fuel oil	2	---	---	---	2
2340 residual fuel oil	10	---	---	10	---
2430 asphalt, tar & pitch	33	---	---	---	33
2540 petroleum coke	3	---	---	3	---
Total chemicals and related products	111	---	---	3	108
Subtotal fertilizers	3	---	---	3	---
3110 nitrogenous fert.	3	---	---	3	---
Subtotal other chemicals and related products	108	---	---	---	108
3276 metallic salts	108	---	---	---	108
Total crude materials, inedible except fuels	896	359	24	439	74
Subtotal soil, sand, gravel, rock and stone	687	341	---	346	---
4331 sand & gravel	687	341	---	346	---
Subtotal iron ore and scrap	116	18	24	---	74
4410 iron ore	18	18	---	---	---
4420 iron & steel scrap	98	---	24	---	74
Subtotal other non-metal. min.	93	---	---	93	---
4900 non-metal. min. nec	93	---	---	93	---
Total primary manufactured goods	31	5	---	26	---
Subtotal paper products	3	3	---	---	---
5190 paper products nec	3	3	---	---	---
Subtotal lime, cement and glass	23	---	---	23	---
5220 cement & concrete	23	---	---	23	---
Subtotal primary iron and steel products	1	1	---	---	---
5330 i&s plates & sheets	1	1	---	---	---
Subtotal primary wood products	3	---	---	3	---
5540 primary wood prod.	3	---	---	3	---
Total food and farm products	1	---	1	---	---
Subtotal grain	1	---	1	---	---
6241 wheat	1	---	1	---	---
Total all manufactured equipment, machinery and products	1	---	---	---	1
7110 machinery (not elec)	1	---	---	---	1
Ton-miles (x1000)	3,951	453	0	2,402	1,096
Tons All Traffic (x1000)	1,088				
Ton-miles All Traffic (x1000)	3,951				

LAKE CALUMET, IL (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. Project Depth: 27 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,267	1990	1,304	1993	1,489	1996	2,327
1988	1,261	1991	1,165	1994	2,068		
1989	1,548	1992	1,329	1995	1,913		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	247	64	1	36	147
Total petroleum and petroleum products	18	---	---	18	---
Subtotal petroleum products	18	---	---	18	---
2340 residual fuel oil	3	---	---	3	---
2350 lube oil & greases	8	---	---	8	---
2540 petroleum coke	7	---	---	7	---

LAKE CALUMET, IL (INCLUDED IN PORT OF CHICAGO)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total chemicals and related products	23	5	---	---	18
Subtotal other chemicals and related products	23	5	---	---	18
3219 other hydrocarbons	2	2	---	---	---
3230 carboxylic acids	4	4	---	---	---
3274 sodium hydroxide	18	---	---	---	18
Total crude materials, inedible except fuels	9	---	---	5	4
Subtotal soil, sand, gravel, rock and stone	4	---	---	---	4
4323 gypsum	4	---	---	---	4
Subtotal iron ore and scrap	5	---	---	5	---
4420 iron & steel scrap	5	---	---	5	---
Total primary manufactured goods	71	58	---	13	---
Subtotal primary iron and steel products	71	58	---	13	---
5330 i&s plates & sheets	69	56	---	13	---
5360 i&s bars & shapes	2	2	---	0	---
Total food and farm products	126	---	1	---	125
Subtotal grain	54	---	---	---	54
6344 corn	54	---	---	---	54
Subtotal oilseeds	70	---	---	---	70
6522 soybeans	70	---	---	---	70
Subtotal other agricultural products	1	---	1	---	---
6838 tallow, animal oils	1	---	1	---	---
Ton-miles (x1000)	247	64	1	36	147
Foreign & Canadian					

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	2,079	938	3	689	445	4
Total coal	5	---	---	2	3	---
1100 coal lignite	2	---	---	2	---	---
1200 coal coke	3	---	---	---	3	---
Total petroleum and petroleum products	19	4	---	7	8	---
Subtotal petroleum products	19	4	---	7	8	---
2330 distillate fuel oil	2	1	---	1	---	---
2340 residual fuel oil	3	3	---	---	---	---
2429 naphtha & solvents	5	---	---	5	---	---
2540 petroleum coke	9	---	---	2	8	---
Total chemicals and related products	294	---	---	144	149	---
Subtotal fertilizers	4	---	---	4	---	---
3110 nitrogenous fert.	4	---	---	4	---	---
Subtotal other chemicals and related products	289	---	---	140	149	---
3211 acyclic hydrocarbons	7	---	---	---	7	---
3212 benzene & toluene	52	---	---	---	52	---
3219 other hydrocarbons	14	---	---	12	1	---
3220 alcohols	106	---	---	17	89	---
3240 nitrogen func. comp.	1	---	---	1	---	---
3260 organic comp. nec	10	---	---	10	---	---
3272 sulphuric acid	1	---	---	1	---	---
3274 sodium hydroxide	94	---	---	94	---	---
3276 metallic salts	1	---	---	1	---	---
3279 inorganic chem. nec	3	---	---	3	---	---
Total crude materials, inedible except fuels	597	375	---	65	153	4
Subtotal soil, sand, gravel, rock and stone	389	373	---	15	---	---
4322 limestone	360	354	---	6	---	---
4331 sand & gravel	25	17	---	8	---	---
4335 waterway improv. mat	3	2	---	1	---	---
Subtotal iron ore and scrap	188	2	---	31	151	4
4420 iron & steel scrap	188	2	---	31	151	4
Subtotal non-ferrous ores and scrap	19	---	---	19	---	---
4670 manganese ore	19	---	---	19	---	---
Subtotal slag	2	---	---	---	2	---
4860 slag	2	---	---	---	2	---
Total primary manufactured goods	1,031	559	3	445	24	---
Subtotal lime, cement and glass	326	325	0	---	---	---
5220 cement & concrete	326	325	0	---	---	---
Subtotal primary iron and steel products	652	234	2	392	24	---
5312 pig iron	151	---	---	151	---	---
5315 ferro alloys	40	---	---	37	3	---
5320 i&s primary forms	3	---	---	3	---	---
5330 i&s plates & sheets	310	169	---	120	21	---
5360 i&s bars & shapes	8	---	---	8	---	---
5390 primary i&s nec	139	64	2	72	---	---
Subtotal primary non-ferrous metal products	54	---	---	54	---	---
5429 smelted prod. nec	10	---	---	10	---	---
5480 fab. metal products	43	---	---	43	---	---
Total food and farm products	128	---	---	22	106	---
Subtotal grain	70	---	---	1	68	---
6241 wheat	21	---	---	---	21	---

LAKE CALUMET, IL (INCLUDED IN PORT OF CHICAGO)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
6344 corn	48	---	---	1	47	---
Subtotal oilseeds	36	---	---	---	36	---
6522 soybeans	34	---	---	---	34	---
6590 oilseeds nec	3	---	---	---	3	---
Subtotal processed grain and animal feed	1	---	---	---	1	---
6782 animal feed, prep.	1	---	---	---	1	---
Subtotal other agricultural products	20	---	---	20	---	---
6861 sugar	20	---	---	20	---	---
Total all manufactured equipment, machinery and products	7	---	0	4	3	---
7110 machinery (not elec)	6	---	---	4	3	---
7900 manufac. prod. nec	0	---	0	---	---	---
Ton-miles (x1000)	1,795	933	3	502	354	4
Domestic						
Tons All Traffic (x1000)	2,327					
Ton-miles All Traffic (x1000)	2,043					

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)

Section included: Calumet Harbor and River to turning basin no. 5 (130th Street Bridge). Project Depth: 29 feet in approach channel, 28 feet in outer harbor anchorage area, 27 feet in river entrance channel to E. J. & E. R. R. Bridge, and 27 feet in river to and including Basin No. 5, (130th Street Bridge).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	9,524	1990	11,689	1993	13,706	1996	20,167
1988	11,889	1991	10,589	1994	18,554		
1989	12,973	1992	11,765	1995	18,225		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through Upbound	Through Downbnd	Imports	Exports	Through Upbound	Through Downbnd
Total, all commodities	4,366	1,529	270	1	64	1,912	407	147	36
Total coal	177	---	---	---	---	115	62	---	---
1100 coal lignite	149	---	---	---	---	115	34	---	---
1200 coal coke	29	---	---	---	---	---	29	---	---
Total petroleum and petroleum products	289	0	0	---	---	134	137	---	18
Subtotal petroleum products	289	0	0	---	---	134	137	---	18
2330 distillate fuel oil	1	---	---	---	---	---	1	---	---
2340 residual fuel oil	22	---	---	---	---	19	---	---	3
2350 lube oil & greases	8	0	0	---	---	---	---	---	8
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---	---
2540 petroleum coke	259	---	---	---	---	115	137	---	7
Total chemicals and related products	65	5	8	---	5	29	---	18	---
Subtotal fertilizers	15	---	0	---	---	15	---	---	---
3130 potassic fert.	15	---	---	---	---	15	---	---	---
3190 fert. & mixes nec	0	---	0	---	---	---	---	---	---
Subtotal other chemicals and related products	50	5	8	---	5	14	---	18	---
3219 other hydrocarbons	14	4	0	---	2	7	---	---	---
3220 alcohols	7	0	0	---	---	7	---	---	---
3230 carboxylic acids	4	0	0	---	4	---	---	---	---
3240 nitrogen func. comp.	0	0	0	---	---	---	---	---	---
3250 organo-inorganic comp.	0	0	0	---	---	---	---	---	---

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
3260 organic comp. nec	1	0	1	---	---	---	---	---	---
3274 sodium hydroxide	18	---	---	---	---	---	---	18	---
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---	---	---	---	---
3276 metallic salts	0	0	0	---	---	---	---	---	---
3279 inorganic chem. nec	0	0	---	---	---	---	---	---	---
3281 radioactive material	0	---	0	---	---	---	---	---	---
3282 pigments & paints	0	0	0	---	---	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---	---	---
3284 medicines	0	0	0	---	---	---	---	---	---
3285 perfumes & cleansers	2	0	2	---	---	---	---	---	---
3286 plastics	1	0	1	---	---	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---	---	---
3292 starches, gluten, glue	3	0	3	---	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---	---	---
3299 chem. products nec	0	0	0	---	---	---	---	---	---
Total crude materials, inedible except fuels	1,754	29	101	---	---	1,614	---	4	5
Subtotal forest products, wood and chips	0	0	0	---	---	---	---	---	---
4189 lumber	0	0	0	---	---	---	---	---	---
4190 forest products nec	0	0	0	---	---	---	---	---	---
Subtotal pulp and waste paper	2	0	2	---	---	---	---	---	---
4225 pulp & waste paper	2	0	2	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	4	0	0	---	---	---	---	4	---
4310 building stone	0	0	---	---	---	---	---	---	---
4323 gypsum	4	---	0	---	---	---	---	4	---
4331 sand & gravel	0	---	0	---	---	---	---	---	---
Subtotal iron ore and scrap	1,053	2	4	---	---	1,042	---	---	5
4410 iron ore	1,031	---	---	---	---	1,031	---	---	---
4420 iron & steel scrap	22	2	4	---	---	11	---	---	5
Subtotal non-ferrous ores and scrap	36	28	8	---	---	0	---	---	---
4650 aluminum ore	28	28	0	---	---	---	---	---	---
4680 non-ferrous scrap	0	0	---	---	---	---	---	---	---
4690 non-ferrous ores nec	8	---	8	---	---	0	---	---	---
Subtotal sulphur, clay and salt	88	---	88	---	---	---	---	---	---
4782 clay & refrac. mat.	88	---	88	---	---	---	---	---	---
Subtotal slag	0	---	---	---	---	0	---	---	---
4860 slag	0	---	---	---	---	0	---	---	---
Subtotal other non-metal. min.	572	0	0	---	---	571	---	---	---
4900 non-metal. min. nec	572	0	0	---	---	571	---	---	---
Total primary manufactured goods	1,583	1,482	10	---	58	20	---	---	13
Subtotal paper products	1	0	1	---	---	---	---	---	---
5120 paper & paperboard	1	0	1	---	---	---	---	---	---
5190 paper products nec	1	0	1	---	---	---	---	---	---
Subtotal lime, cement and glass	32	32	0	---	---	---	---	---	---
5220 cement & concrete	31	31	---	---	---	---	---	---	---
5240 glass & glass prod.	0	0	0	---	---	---	---	---	---

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
5290 misc. mineral prod.	1	0	0	---	---	---	---	---	---
Subtotal primary iron and steel products	1,521	1,428	6	---	58	15	---	---	13
5312 pig iron	21	21	---	---	---	---	---	---	---
5315 ferro alloys	17	17	---	---	---	---	---	---	---
5320 i&s primary forms	338	338	---	---	---	---	---	---	---
5330 i&s plates & sheets	1,031	946	0	---	56	15	---	---	13
5360 i&s bars & shapes	55	47	6	---	2	---	---	---	0
5370 i&s pipe & tube	8	8	0	---	---	---	---	---	---
5390 primary i&s nec	51	51	---	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	29	22	2	---	---	4	---	---	---
5421 copper	0	0	0	---	---	---	---	---	---
5422 aluminum	6	1	0	---	---	4	---	---	---
5429 smelted prod. nec	16	15	1	---	---	---	---	---	---
5480 fab. metal products	7	7	0	---	---	---	---	---	---
Subtotal primary wood products	0	0	0	---	---	---	---	---	---
5540 primary wood prod.	0	0	0	---	---	---	---	---	---
Total food and farm products	479	0	146	1	---	---	207	125	---
Subtotal grain	196	0	92	---	---	---	50	54	---
6241 wheat	6	---	---	---	---	---	6	---	---
6344 corn	191	---	92	---	---	---	45	54	---
6442 rice	0	0	---	---	---	---	---	---	---
Subtotal oilseeds	281	0	53	---	---	---	157	70	---
6522 soybeans	257	---	53	---	---	---	134	70	---
6590 oilseeds nec	24	0	---	---	---	---	24	---	---
Subtotal vegetable products	0	0	0	---	---	---	---	---	---
6653 vegetable oils	0	0	0	---	---	---	---	---	---
6654 vegetables & prod.	0	0	0	---	---	---	---	---	---
Subtotal processed grain and animal feed	0	0	0	---	---	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---	---	---
6782 animal feed, prep.	0	0	0	---	---	---	---	---	---
Subtotal other agricultural products	2	0	1	1	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---	---
6817 meat, prepared	0	---	0	---	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---	---
6838 tallow, animal oils	1	---	---	1	---	---	---	---	---
6839 animals & prod. nec	0	0	0	---	---	---	---	---	---
6857 fruit & nuts nec	0	0	---	---	---	---	---	---	---
6858 fruit juices	0	0	---	---	---	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---	---	---
6889 food products nec	1	0	1	---	---	---	---	---	---
6899 farm products nec	0	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	18	12	6	---	---	0	---	---	---
7110 machinery (not elec)	9	7	2	---	---	0	---	---	---
7120 electrical machinery	4	3	1	---	---	---	---	---	---
7210 vehicles & parts	1	0	0	---	---	---	---	---	---

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
7220 aircraft & parts	0	0	---	---	---	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---	---	---
7400 manufac. wood prod.	0	0	0	---	---	---	---	---	---
7500 textile products	0	0	0	---	---	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---	---	---
7900 manufac. prod. nec	3	1	2	---	---	0	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---	---
Ton-miles Foreign & Canadian (x1000)	5,603	1,529	270	7	382	1,912	407	880	217

Commodity	Total	Lakewise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	5,018	1,910	2,167	3	938
Total coal	1,968	---	1,968	---	---
1100 coal lignite	1,674	---	1,674	---	---
1200 coal coke	294	---	294	---	---
Total petroleum and petroleum products	107	11	93	---	4
Subtotal petroleum products	107	11	93	---	4
2330 distillate fuel oil	11	3	7	---	1
2340 residual fuel oil	34	8	24	---	3
2540 petroleum coke	62	---	62	---	---
Total chemicals and related products	25	6	20	---	---
Subtotal fertilizers	20	---	20	---	---
3110 nitrogenous fert.	20	---	20	---	---
Subtotal other chemicals and related products	6	6	---	---	---
3276 metallic salts	6	6	---	---	---
Total crude materials, inedible except fuels	2,240	1,779	85	---	375
Subtotal soil, sand, gravel, rock and stone	865	492	---	---	373
4322 limestone	840	486	---	---	354
4331 sand & gravel	17	---	---	---	17
4335 waterway improv. mat	8	6	---	---	2
Subtotal iron ore and scrap	1,375	1,287	85	---	2
4410 iron ore	1,372	1,287	85	---	---
4420 iron & steel scrap	2	---	---	---	2
Total primary manufactured goods	677	115	1	3	559
Subtotal lime, cement and glass	437	112	---	0	325
5220 cement & concrete	437	112	---	0	325
Subtotal primary iron and steel products	240	3	1	2	234
5320 i&s primary forms	1	---	1	---	---
5330 i&s plates & sheets	169	---	---	---	169
5390 primary i&s nec	69	3	---	2	64
Total all manufactured equipment, machinery and products	0	---	---	0	---
7900 manufac. prod. nec	0	---	---	0	---
Ton-miles (x1000) Lakewise	22,427	5,924	10,859	18	5,626

Commodity	Total	Internal				
		Inbound Upbound	Outbound Downbnd	Through		Intra Upbound
				Upbound	Downbnd	
Total, all commodities	10,783	3,055	4,744	1,334	1,635	15
Total coal	6,105	1,558	4,042	487	5	13
1100 coal lignite	5,155	1,198	3,945	---	---	13
1200 coal coke	949	360	97	487	5	---
Total petroleum and petroleum products	1,462	165	135	210	952	---
Subtotal crude petroleum	16	---	---	16	---	---
2100 crude petroleum	16	---	---	16	---	---

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Internal				
		Inbound	Outbound	Through		Intra
		Upbound	Downbnd	Upbound	Downbnd	Upbound
Subtotal petroleum products	1,446	165	135	194	952	---
2211 gasoline	24	---	---	4	20	---
2221 kerosene	2	---	---	---	2	---
2330 distillate fuel oil	258	---	2	75	180	---
2340 residual fuel oil	209	6	25	76	101	---
2350 lube oil & greases	67	---	---	15	52	---
2429 naphtha & solvents	2	---	---	---	2	---
2430 asphalt, tar & pitch	394	3	13	---	378	---
2540 petroleum coke	491	155	94	25	216	---
Total chemicals and related products	207	66	18	98	25	---
Subtotal fertilizers	132	58	---	67	6	---
3110 nitrogenous fert.	112	49	---	58	5	---
3120 phosphatic fert.	18	9	---	8	2	---
3190 fert. & mixes nec	2	---	---	2	---	---
Subtotal other chemicals and related products	75	8	18	30	18	---
3219 other hydrocarbons	38	---	10	28	---	---
3220 alcohols	5	---	5	---	---	---
3276 metallic salts	12	---	3	---	10	---
3279 inorganic chem. nec	8	8	---	---	---	---
3297 chemical additives	11	---	---	2	9	---
Total crude materials, inedible except fuels	1,418	807	247	141	223	2
Subtotal soil, sand, gravel, rock and stone	440	285	85	10	57	2
4322 limestone	13	3	---	10	---	---
4323 gypsum	57	---	---	---	57	---
4331 sand & gravel	111	35	74	---	---	2
4335 waterway improv. mat	259	248	11	---	---	---
Subtotal iron ore and scrap	184	1	129	11	43	---
4410 iron ore	57	1	55	---	---	---
4420 iron & steel scrap	127	---	73	11	43	---
Subtotal non-ferrous ores and scrap	179	110	1	67	---	---
4650 aluminum ore	66	---	---	66	---	---
4670 manganese ore	103	102	1	---	---	---
4690 non-ferrous ores nec	9	8	---	1	---	---
Subtotal sulphur, clay and salt	10	1	3	6	---	---
4782 clay & refrac. mat.	10	1	3	6	---	---
Subtotal slag	170	6	---	40	123	---
4860 slag	170	6	---	40	123	---
Subtotal other non-metal. min.	437	403	28	6	---	---
4900 non-metal. min. nec	437	403	28	6	---	---
Total primary manufactured goods	1,290	417	117	398	357	---
Subtotal lime, cement and glass	89	21	68	---	---	---
5210 lime	68	---	68	---	---	---
5220 cement & concrete	21	21	---	---	---	---
Subtotal primary iron and steel products	1,124	326	43	398	357	---
5312 pig iron	141	101	---	40	---	---
5315 ferro alloys	130	119	3	7	2	---
5320 i&s primary forms	337	35	---	291	12	---
5330 i&s plates & sheets	461	51	20	56	334	---
5360 i&s bars & shapes	30	10	20	---	---	---
5390 primary i&s nec	25	10	---	5	10	---
Subtotal primary non-ferrous metal products	77	70	6	1	---	---
5429 smelted prod. nec	6	6	---	---	---	---
5480 fab. metal products	71	64	6	1	---	---
Total food and farm products	299	42	184	---	73	---
Subtotal grain	173	38	119	---	17	---
6241 wheat	63	---	60	---	3	---
6344 corn	111	38	59	---	14	---
Subtotal oilseeds	117	---	61	---	57	---
6522 soybeans	117	---	61	---	57	---
Subtotal processed grain and animal feed	4	---	4	---	---	---
6782 animal feed, prep.	4	---	4	---	---	---
Subtotal other agricultural products	4	4	---	---	---	---
6865 molasses	4	4	---	---	---	---
Total all manufactured equipment, machinery and products	2	0	2	---	0	---
7110 machinery (not elec)	2	0	2	---	0	---
Ton-miles (x1000)	29,489	6,510	5,165	8,004	9,810	0
Internal						
Tons All Traffic (x1000)	20,167					
Ton-miles All Traffic (x1000)	57,519					

PORT OF CHICAGO, IL

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, IL, Calumet Harbor and River, IL and IN. Project Depth: See Chicago Harbor, Chicago River, Main and North Branch, Chicago River, South Branch, Chicago Sanitary and Ship Canal, Calumet-Sag Channel and Lake Calumet, IL, Calumet Harbor and River, IL and IN.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	20,705	1990	22,541	1993	25,048	1996	27,886
1988	22,894	1991	21,767	1994	29,422		
1989	23,446	1992	22,154	1995	25,329		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	4,366	1,592	272	1,948	554
Total coal	177	---	---	115	62
1100 coal lignite	149	---	---	115	34
1200 coal coke	29	---	---	---	29
Total petroleum and petroleum products	289	0	0	152	137
Subtotal petroleum products	289	0	0	152	137
2330 distillate fuel oil	1	---	---	---	1
2340 residual fuel oil	22	---	---	22	---
2350 lube oil & greases	8	0	0	8	---
2410 petro. jelly & waxes	0	---	0	---	---
2540 petroleum coke	259	---	---	122	137
Total chemicals and related products	65	10	8	29	18
Subtotal fertilizers	15	---	0	15	---
3130 potassic fert.	15	---	---	15	---
3190 fert. & mixes nec	0	---	0	---	---
Subtotal other chemicals and related products	50	10	8	14	18
3219 other hydrocarbons	14	6	0	7	---
3220 alcohols	7	0	0	7	---
3230 carboxylic acids	4	4	0	---	---
3240 nitrogen func. comp.	0	0	0	---	---
3250 organo-inorganic comp.	0	0	0	---	---
3260 organic comp. nec	1	0	1	---	---
3274 sodium hydroxide	18	---	---	---	18
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---
3276 metallic salts	0	0	0	---	---
3279 inorganic chem. nec	0	0	---	---	---
3281 radioactive material	0	---	0	---	---
3282 pigments & paints	0	0	0	---	---
3283 coloring mat. nec	0	---	0	---	---
3284 medicines	0	0	0	---	---
3285 perfumes & cleansers	2	0	2	---	---
3286 plastics	1	0	1	---	---
3291 pesticides	0	---	0	---	---
3292 starches, gluten, glue	3	0	3	---	---
3297 chemical additives	0	---	0	---	---
3299 chem. products nec	0	0	0	---	---
Total crude materials, inedible except fuels	1,754	29	101	1,619	4
Subtotal forest products, wood and chips	0	0	0	---	---
4189 lumber	0	0	0	---	---
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	2	0	2	---	---
4225 pulp & waste paper	2	0	2	---	---
Subtotal soil, sand, gravel, rock and stone	4	0	0	---	4
4310 building stone	0	0	---	---	---
4323 gypsum	4	---	0	---	4
4331 sand & gravel	0	---	0	---	---
Subtotal iron ore and scrap	1,053	2	4	1,047	---
4410 iron ore	1,031	---	---	1,031	---
4420 iron & steel scrap	22	2	4	16	---
Subtotal non-ferrous ores and scrap	36	28	8	0	---
4650 aluminum ore	28	28	0	---	---
4680 non-ferrous scrap	0	0	---	---	---
4690 non-ferrous ores nec	8	---	8	0	---
Subtotal sulphur, clay and salt	88	---	88	---	---
4782 clay & refrac. mat.	88	---	88	---	---
Subtotal slag	0	---	---	0	---
4860 slag	0	---	---	0	---
Subtotal other non-metal. min.	572	0	0	571	---
4900 non-metal. min. nec	572	0	0	571	---
Total primary manufactured goods	1,583	1,540	10	33	---
Subtotal paper products	1	0	1	---	---
5120 paper & paperboard	1	0	1	---	---
5190 paper products nec	1	0	1	---	---
Subtotal lime, cement and glass	32	32	0	---	---
5220 cement & concrete	31	31	---	---	---
5240 glass & glass prod.	0	0	0	---	---
5290 misc. mineral prod.	1	0	0	---	---
Subtotal primary iron and steel products	1,521	1,486	6	28	---
5312 pig iron	21	21	---	---	---
5315 ferro alloys	17	17	---	---	---
5320 i&s primary forms	338	338	---	---	---
5330 i&s plates & sheets	1,031	1,002	0	28	---
5360 i&s bars & shapes	55	49	6	0	---

PORT OF CHICAGO, IL
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
5370 i&s pipe & tube	8	8	0	---	---
5390 primary i&s nec	51	51	---	---	---
Subtotal primary non-ferrous metal products	29	22	2	4	---
5421 copper	0	0	0	---	---
5422 aluminum	6	1	0	4	---
5429 smelted prod. nec	16	15	1	---	---
5480 fab. metal products	7	7	0	---	---
Subtotal primary wood products	0	0	0	---	---
5540 primary wood prod.	0	0	0	---	---
Total food and farm products	479	0	147	---	332
Subtotal grain	196	0	92	---	104
6241 wheat	6	---	---	---	6
6344 corn	191	---	92	---	99
6442 rice	0	0	---	---	---
Subtotal oilseeds	281	0	53	---	228
6522 soybeans	257	---	53	---	204
6590 oilseeds nec	24	0	---	---	24
Subtotal vegetable products	0	0	0	---	---
6653 vegetable oils	0	0	0	---	---
6654 vegetables & prod.	0	0	0	---	---
Subtotal processed grain and animal feed	0	0	0	---	---
6747 grain mill products	0	---	0	---	---
6782 animal feed, prep.	0	0	0	---	---
Subtotal other agricultural products	2	0	2	---	---
6811 meat, fresh, frozen	0	---	0	---	---
6817 meat, prepared	0	---	0	---	---
6822 dairy products	0	---	0	---	---
6838 tallow, animal oils	1	---	1	---	---
6839 animals & prod. nec	0	0	0	---	---
6857 fruit & nuts nec	0	0	---	---	---
6858 fruit juices	0	0	---	---	---
6885 alcoholic beverages	0	0	0	---	---
6889 food products nec	1	0	1	---	---
6899 farm products nec	0	0	0	---	---
Total all manufactured equipment, machinery and products	18	12	6	0	---
7110 machinery (not elec)	9	7	2	0	---
7120 electrical machinery	4	3	1	---	---
7210 vehicles & parts	1	0	0	---	---
7220 aircraft & parts	0	0	---	---	---
7230 ships & boats	0	---	0	---	---
7300 ordnance & access.	0	---	0	---	---
7400 manufac. wood prod.	0	0	0	---	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	0	0	0	---	---
7900 manufac. prod. nec	3	1	2	0	---
Total unknown or not elsewhere classified	0	0	---	---	---
9900 unknown or nec	0	0	---	---	---

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intrпорт
Total, all commodities	23,520	2,848	2,170	9,295	3,650	5,557
Total coal	7,931	---	1,968	1,689	295	3,980
1100 coal lignite	6,958	---	1,674	1,326	5	3,953
1200 coal coke	973	---	294	363	290	27
Total petroleum and petroleum products	3,690	14	93	1,655	1,278	650
Subtotal crude petroleum	30	---	---	---	20	10
2100 crude petroleum	30	---	---	---	20	10
Subtotal petroleum products	3,660	14	93	1,655	1,258	640
2211 gasoline	44	---	---	27	18	---
2330 distillate fuel oil	601	4	7	267	176	147
2340 residual fuel oil	757	11	24	302	356	64
2350 lube oil & greases	166	---	---	134	11	22
2429 naphtha & solvents	121	---	---	50	15	56
2430 asphalt, tar & pitch	822	---	---	604	183	35
2540 petroleum coke	1,148	---	62	271	500	315
2640 liquid natural gas	1	---	---	1	---	---
Total chemicals and related products	1,874	6	20	1,470	240	140
Subtotal fertilizers	90	---	20	66	4	---
3110 nitrogenous fert.	78	---	20	56	3	---
3120 phosphatic fert.	10	---	---	10	---	---
3190 fert. & mixes nec	1	---	---	---	1	---
Subtotal other chemicals and related products	1,785	6	---	1,404	236	140
3211 acyclic hydrocarbons	7	---	---	---	7	---
3212 benzene & toluene	128	---	---	1	93	33
3219 other hydrocarbons	152	---	---	58	47	48
3220 alcohols	716	---	---	605	53	58
3230 carboxylic acids	3	---	---	3	---	---
3240 nitrogen func. comp.	1	---	---	1	---	---
3260 organic comp. nec	32	---	---	32	---	---
3272 sulphuric acid	1	---	---	1	---	---
3274 sodium hydroxide	477	---	---	477	---	---

PORT OF CHICAGO, IL
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3275 inorg. elem., oxides, & halogen salts	80	---	---	80	---	---
3276 metallic salts	171	6	---	129	36	---
3279 inorganic chem. nec	11	---	---	11	---	---
3297 chemical additives	2	---	---	2	---	---
3299 chem. products nec	3	---	---	3	---	---
Total crude materials, inedible except fuels	6,575	2,155	85	2,543	1,006	787
Subtotal forest products, wood and chips	92	---	---	92	---	---
4161 wood chips	92	---	---	92	---	---
Subtotal soil, sand, gravel, rock and stone	3,345	865	---	1,338	387	754
4322 limestone	861	840	---	21	---	---
4331 sand & gravel	2,206	17	---	1,059	377	753
4335 waterway improv. mat	278	8	---	259	10	1
Subtotal iron ore and scrap	2,045	1,290	85	53	613	4
4410 iron ore	1,450	1,287	85	20	58	---
4420 iron & steel scrap	594	2	---	33	554	4
Subtotal non-ferrous ores and scrap	130	---	---	129	1	---
4670 manganese ore	122	---	---	121	1	---
4690 non-ferrous ores nec	8	---	---	8	---	---
Subtotal sulphur, clay and salt	7	---	---	4	3	---
4782 clay & refrac. mat.	7	---	---	4	3	---
Subtotal slag	10	---	---	9	2	---
4860 slag	10	---	---	9	2	---
Subtotal other non-metal. min.	945	---	---	917	---	28
4900 non-metal. min. nec	945	---	---	917	---	28
Total primary manufactured goods	2,622	673	4	1,797	147	1
Subtotal paper products	3	---	---	3	---	---
5190 paper products nec	3	---	---	3	---	---
Subtotal lime, cement and glass	1,143	437	0	632	73	1
5210 lime	68	---	---	---	68	---
5220 cement & concrete	1,075	437	0	632	5	1
Subtotal primary iron and steel products	1,309	236	3	1,002	67	---
5312 pig iron	294	---	---	294	---	---
5315 ferro alloys	163	---	---	158	5	---
5320 i&s primary forms	88	---	1	87	---	---
5330 i&s plates & sheets	451	169	---	240	42	---
5360 i&s bars & shapes	118	---	---	97	20	---
5370 i&s pipe & tube	4	---	---	4	---	---
5390 primary i&s nec	191	67	2	121	191	---
Subtotal primary non-ferrous metal products	164	---	---	157	7	---
5429 smelted prod. nec	17	---	---	17	---	---
5480 fab. metal products	148	---	---	141	7	---
Subtotal primary wood products	3	---	---	3	---	---
5540 primary wood prod.	3	---	---	3	---	---
Total food and farm products	796	---	---	115	682	---
Subtotal grain	465	---	---	39	426	---
6241 wheat	107	---	---	---	107	---
6344 corn	358	---	---	39	319	---
Subtotal oilseeds	244	---	---	---	244	---
6522 soybeans	241	---	---	---	241	---
6590 oilseeds nec	3	---	---	---	3	---
Subtotal vegetable products	1	---	---	1	---	---
6653 vegetable oils	1	---	---	1	---	---
Subtotal processed grain and animal feed	11	---	---	---	11	---
6782 animal feed, prep.	11	---	---	---	11	---
Subtotal other agricultural products	74	---	---	74	---	---
6861 sugar	51	---	---	51	---	---
6865 molasses	23	---	---	23	---	---
Total all manufactured equipment, machinery and products	32	---	0	27	4	---
7110 machinery (not elec)	13	---	---	9	4	---
7400 manufac. wood prod.	18	---	---	18	---	---
7900 manufac. prod. nec	0	---	0	---	---	---

INDIANA HARBOR, IN

Section Included: Approach channel, outer harbor and canal entrance channel to the first E. J. & E. R. R. Bridge: Indiana Harbor Canal, including the Calumet River Branch to Columbus Drive Bridge and the Lake George Branch to 0.2 miles past Indianapolis Blvd. Project Depth: 29 feet in approach channel, 28 feet in harbor basin, 27 feet in canal entrance channel, and 22 feet in remainder of canal to 0.2 miles past Indianapolis Blvd. on Lake George Branch and Columbus Drive on Calumet River Branch.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	13,335	1990	14,673	1993	15,546	1996	16,893
1988	16,643	1991	13,767	1994	16,145		
1989	15,055	1992	15,326	1995	15,700		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign	Canadian	
		Exports	Imports	Exports
Total, all commodities	807	2	645	160
Total petroleum and petroleum products	109	0	---	109
Subtotal petroleum products	109	0	---	109
2350 lube oil & greases	0	0	---	---
2410 petro. jelly & waxes	0	0	---	---
2540 petroleum coke	109	---	---	109
Total chemicals and related products	0	0	---	---
Subtotal other chemicals and related products	0	0	---	---
3230 carboxylic acids	0	0	---	---
3240 nitrogen func. comp.	0	0	---	---
3250 organo-inorganic comp.	0	0	---	---
3283 coloring mat. nec	0	0	---	---
3286 plastics	0	0	---	---
3297 chemical additives	0	0	---	---
3299 chem. products nec	0	0	---	---
Total crude materials, inedible except fuels	646	0	645	---
Subtotal forest products, wood and chips	0	0	---	---
4189 lumber	0	0	---	---
Subtotal pulp and waste paper	0	0	---	---
4225 pulp & waste paper	0	0	---	---
Subtotal iron ore and scrap	645	---	645	---
4410 iron ore	645	---	645	---
Subtotal other non-metal. min.	0	0	---	---
4900 non-metal. min. nec	0	0	---	---
Total primary manufactured goods	0	0	---	---
Subtotal paper products	0	0	---	---
5120 paper & paperboard	0	0	---	---
5190 paper products nec	0	0	---	---
Subtotal lime, cement and glass	0	0	---	---
5290 misc. mineral prod.	0	0	---	---
Subtotal primary iron and steel products	0	0	---	---
5390 primary i&s nec	0	0	---	---
Subtotal primary non-ferrous metal products	0	0	---	---
5429 smelted prod. nec	0	0	---	---
Total food and farm products	51	1	---	51
Subtotal fish	0	0	---	---
6134 fish (not shellfish)	0	0	---	---
Subtotal grain	51	---	---	51
6241 wheat	6	---	---	6
6344 corn	45	---	---	45
Subtotal vegetable products	0	0	---	---
6654 vegetables & prod.	0	0	---	---
Subtotal processed grain and animal feed	0	0	---	---
6747 grain mill products	0	0	---	---
6782 animal feed, prep.	0	0	---	---
Subtotal other agricultural products	0	0	---	---
6811 meat, fresh, frozen	0	0	---	---
6857 fruit & nuts nec	0	0	---	---
6858 fruit juices	0	0	---	---
6889 food products nec	0	0	---	---
6891 tobacco & products	0	0	---	---
Total all manufactured equipment, machinery and products	0	0	---	---
7110 machinery (not elec)	0	0	---	---
7210 vehicles & parts	0	0	---	---
7500 textile products	0	0	---	---
7900 manufac. prod. nec	0	0	---	---

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	16,086	12,668	1,721	525	1,087	84
Total coal	319	---	---	319	---	---
1200 coal coke	319	---	---	319	---	---

INDIANA HARBOR, IN
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total petroleum and petroleum products	2,529	2	1,281	196	978	71
Subtotal crude petroleum	16	---	---	16	---	---
2100 crude petroleum	16	---	---	16	---	---
Subtotal petroleum products	2,513	2	1,281	181	978	71
2211 gasoline	282	---	258	4	20	---
2221 kerosene	2	---	---	---	2	---
2330 distillate fuel oil	645	---	366	75	183	21
2340 residual fuel oil	247	2	11	82	101	50
2350 lube oil & greases	71	---	4	15	52	---
2429 naphtha & solvents	2	---	---	---	2	---
2430 asphalt, tar & pitch	1,038	---	626	---	412	---
2540 petroleum coke	227	---	16	5	206	---
Total chemicals and related products	11	---	---	2	9	---
Subtotal other chemicals and related products	11	---	---	2	9	---
3297 chemical additives	11	---	---	2	9	---
Total crude materials, inedible except fuels	13,190	12,666	425	3	83	13
Subtotal soil, sand, gravel, rock and stone	1,132	1,132	---	---	---	---
4322 limestone	1,132	1,132	---	---	---	---
Subtotal iron ore and scrap	11,476	11,434	---	---	29	13
4410 iron ore	11,447	11,434	---	---	---	13
4420 iron & steel scrap	29	---	---	---	29	---
Subtotal slag	579	100	425	---	54	---
4860 slag	579	100	425	---	54	---
Subtotal other non-metal. min.	3	---	---	3	---	---
4900 non-metal. min. nec	3	---	---	3	---	---
Total primary manufactured goods	37	---	15	4	17	---
Subtotal primary iron and steel products	37	---	15	4	17	---
5312 pig iron	15	---	15	---	---	---
5320 i&s primary forms	12	---	---	---	12	---
5330 i&s plates & sheets	6	---	---	---	6	---
5390 primary i&s nec	4	---	---	4	---	---

BURNS WATERWAY HARBOR, IN

Section Included: Approach channel, outer harbor, and two harbor arms. Project Depth: 30 feet in approach channel, 28 feet in outer harbor, and 27 feet in the east and west harbor arms.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,093	1990	9,524	1993	9,315	1996	9,848
1988	7,468	1991	8,304	1994	9,344		
1989	8,695	1992	8,756	1995	10,275		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	2,361	466	91	1,502	303
Total coal	243	---	20	102	120
1100 coal lignite	88	---	---	88	---
1200 coal coke	154	---	20	14	120
Total petroleum and petroleum products	107	---	48	---	59
Subtotal petroleum products	107	---	48	---	59
2540 petroleum coke	107	---	48	---	59
Total chemicals and related products	71	0	---	54	17
Subtotal fertilizers	71	---	---	54	17
3120 phosphatic fert.	22	---	---	22	---
3130 potassic fert.	32	---	---	32	---
3190 fert. & mixes nec	17	---	---	---	17
Subtotal other chemicals and related products	0	0	---	---	---
3230 carboxylic acids	0	0	---	---	---
3250 organo-inorganic comp.	0	0	---	---	---
3260 organic comp. nec	0	0	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---
3282 pigments & paints	0	0	---	---	---
3286 plastics	0	0	---	---	---
3292 starches, gluten, glue	0	0	---	---	---
3299 chem. products nec	0	0	---	---	---
Total crude materials, inedible except fuels	1,338	0	1	1,336	---
Subtotal forest products, wood and chips	0	0	---	---	---
4190 forest products nec	0	0	---	---	---
Subtotal iron ore and scrap	1,275	---	---	1,275	---
4410 iron ore	1,275	---	---	1,275	---
Subtotal non-ferrous ores and scrap	1	---	1	---	---
4680 non-ferrous scrap	1	---	1	---	---
Subtotal other non-metal. min.	62	---	---	62	---
4900 non-metal. min. nec	62	---	---	62	---

BURNS WATERWAY HARBOR, IN
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total primary manufactured goods	474	464	---	9	---
Subtotal lime, cement and glass	0	0	---	---	---
5240 glass & glass prod.	0	0	---	---	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary iron and steel products	471	461	---	9	---
5312 pig iron	9	---	---	9	---
5315 ferro alloys	9	9	---	---	---
5320 i&s primary forms	266	266	---	---	---
5330 i&s plates & sheets	183	183	---	---	---
5360 i&s bars & shapes	2	2	---	---	---
5370 i&s pipe & tube	1	1	---	---	---
5390 primary i&s nec	1	1	---	---	---
Subtotal primary non-ferrous metal products	3	3	---	---	---
5422 aluminum	0	0	---	---	---
5429 smelted prod. nec	2	2	---	---	---
5480 fab. metal products	1	1	---	---	---
Subtotal primary wood products	0	0	---	---	---
5540 primary wood prod.	0	0	---	---	---
Total food and farm products	128	0	22	---	106
Subtotal grain	42	---	---	---	42
6344 corn	42	---	---	---	42
Subtotal oilseeds	86	---	22	---	64
6522 soybeans	86	---	22	---	64
Subtotal other agricultural products	0	0	---	---	---
6871 coffee	0	0	---	---	---
6885 alcoholic beverages	0	0	---	---	---
Total all manufactured equipment, machinery and products	1	1	0	---	---
7110 machinery (not elec)	1	1	---	---	---
7120 electrical machinery	0	0	---	---	---
7210 vehicles & parts	0	0	---	---	---
7500 textile products	0	0	---	---	---
7600 rubber & plastic pr.	0	0	---	---	---
7900 manufac. prod. nec	0	0	0	---	---
Total unknown or not elsewhere classified	0	0	---	---	---
9900 unknown or nec	0	0	---	---	---

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	7,487	6,322	93	642	381	49
Total coal	145	---	20	122	3	---
1200 coal coke	145	---	20	122	3	---
Total petroleum and petroleum products	82	56	---	22	4	---
Subtotal petroleum products	82	56	---	22	4	---
2330 distillate fuel oil	51	51	---	---	---	---
2340 residual fuel oil	1	1	---	---	---	---
2350 lube oil & greases	4	4	---	---	---	---
2540 petroleum coke	26	---	---	22	4	---
Total chemicals and related products	111	9	---	96	6	---
Subtotal fertilizers	74	---	---	67	6	---
3110 nitrogenous fert.	63	---	---	58	5	---
3120 phosphatic fert.	9	---	---	8	2	---
3190 fert. & mixes nec	2	---	---	2	---	---
Subtotal other chemicals and related products	37	9	---	28	---	---
3219 other hydrocarbons	28	---	---	28	---	---
3276 metallic salts	9	9	---	---	---	---
Total crude materials, inedible except fuels	6,381	6,156	35	45	97	49
Subtotal soil, sand, gravel, rock and stone	820	703	---	10	57	49
4322 limestone	712	702	---	10	---	---
4323 gypsum	57	---	---	---	57	---
4331 sand & gravel	50	2	---	---	---	49
Subtotal iron ore and scrap	5,442	5,421	---	7	14	---
4410 iron ore	5,421	5,421	---	---	---	---
4420 iron & steel scrap	22	---	---	7	14	---
Subtotal sulphur, clay and salt	6	---	---	6	---	---
4782 clay & refrac. mat.	6	---	---	6	---	---
Subtotal slag	110	32	35	18	25	---
4860 slag	110	32	35	18	25	---
Subtotal other non-metal. min.	3	---	---	3	---	---
4900 non-metal. min. nec	3	---	---	3	---	---
Total primary manufactured goods	693	102	37	357	197	---
Subtotal primary iron and steel products	692	102	37	356	197	---
5312 pig iron	40	---	---	40	---	---
5315 ferro alloys	7	---	---	7	---	---
5320 i&s primary forms	255	1	---	254	---	---
5330 i&s plates & sheets	365	99	13	56	197	---
5390 primary i&s nec	26	2	23	0	---	---
Subtotal primary non-ferrous metal products	1	---	0	1	---	---
5480 fab. metal products	1	---	0	1	---	---

BURNS WATERWAY HARBOR, IN
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total food and farm products	73	---	---	---	73	---
Subtotal grain	17	---	---	---	17	---
6241 wheat	3	---	---	---	3	---
6344 corn	14	---	---	---	14	---
Subtotal oilseeds	57	---	---	---	57	---
6522 soybeans	57	---	---	---	57	---
Total all manufactured equipment, machinery and products	2	---	1	---	0	---
7110 machinery (not elec)	2	---	1	---	0	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
CHICAGO HARBOR, IL (INCLUDED IN PORT OF CHICAGO)	No Commerce Reported	
MICHIGAN CITY HARBOR, IN Non-project	No Commerce Reported	
BUFFINGTON HARBOR, IN	2330 distillate fuel oil	0
	2340 residual fuel oil	0
	4322 limestone	1,079
	4335 waterway improv. mat	12
	4650 aluminum ore	66
	4860 slag	85
	Total Tons(x1000)	1,243
GARY HARBOR, IN	1100 coal lignite	57
	1200 coal coke	47
	2330 distillate fuel oil	6
	2340 residual fuel oil	4
	2540 petroleum coke	43
	4322 limestone	150
	4331 sand & gravel	61
	4410 iron ore	7,616
	4420 iron & steel scrap	206
	4690 non-ferrous ores nec	1
	4860 slag	156
	4900 non-metal. min. nec	31
	5315 ferro alloys	2
	5320 i&s primary forms	56
	5330 i&s plates & sheets	390
	5390 primary i&s nec	54
	5480 fab. metal products	0
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	Total Tons(x1000)	8,882

TWO HARBORS (AGATE BAY), MN

Section Included: Entire harbor. Controlling Depth: 28 feet except for a 26 foot area along the east project line. Project Depth: 28 feet in inner basin and 30 feet near entrance.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,414	1990	12,313	1993	10,711	1996	10,662
1988	12,116	1991	12,501	1994	9,288		
1989	10,536	1992	11,160	1995	8,265		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise Shipments
Total, all commodities	10,662	10,662
Total crude materials, inedible except fuels	10,662	10,662
Subtotal iron ore and scrap	10,662	10,662
4410 iron ore	10,348	10,348
4420 iron & steel scrap	314	314

DULUTH-SUPERIOR HARBOR, MN AND WI

Section Included: Superior Bay and its tributaries, St. Louis Bay and St. Louis River, and Allouez Bay. Controlling Depth: 32 feet in lake approaches, diminishing to a minimum of 20 feet in certain inner channels; there are numerous 1-2 foot shoals scattered in portions of the Duluth and Superior Harbor Basins. Project Depth: 32 feet in lake approaches; 27 feet in Duluth and Superior Harbor Basins, superior front channel, and in ore-channel routes through north and south channels to D. M. & I. 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. 6; and 20 feet from thence to northerly end of Clough Island. Navigation Season: April 3 to January 11.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	36,463	1990	40,766	1993	37,679	1996	41,398
1988	40,002	1991	37,716	1994	41,819		
1989	40,803	1992	39,304	1995	45,049		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Lakewise		Internal Intraport
							Receipts	Shipments	
Total, all commodities	41,398	59	2,258	1,028	7,806	30,247	2,853	27,383	11
Total coal	14,114	---	1	---	667	13,446	112	13,333	---
1100 coal lignite	14,086	---	1	---	654	13,432	98	13,333	---
1200 coal coke	27	---	---	---	13	14	14	---	---
Total petroleum and petroleum products	142	---	67	24	39	11	---	---	11
Subtotal crude petroleum	17	---	---	17	---	---	---	---	---
2100 crude petroleum	17	---	---	17	---	---	---	---	---
Subtotal petroleum products	125	---	67	8	39	11	---	---	11
2330 distillate fuel oil	3	---	---	---	---	3	---	---	3
2340 residual fuel oil	16	---	---	8	---	8	---	---	8
2350 lube oil & greases	0	---	0	---	---	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---	---
2540 petroleum coke	106	---	67	---	39	---	---	---	---
Total chemicals and related products	23	---	0	14	---	9	9	---	---
Subtotal other chemicals and related products	23	---	0	14	---	9	9	---	---
3230 carboxylic acids	0	---	0	---	---	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---	---
3276 metallic salts	23	---	0	14	---	9	9	---	---

DULUTH-SUPERIOR HARBOR, MN AND WI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Lakewise		Internal Intraport
							Receipts	Shipments	
3282 pigments & paints	0	---	0	---	---	---	---	---	
3285 perfumes & cleansers	0	---	0	---	---	---	---	---	
3286 plastics	0	---	0	---	---	---	---	---	
3291 pesticides	0	---	0	---	---	---	---	---	
3292 starches,	0	---	0	---	---	---	---	---	
gluten, glue									
3299 chem. products nec	0	---	0	---	---	---	---	---	
Total crude materials, inedible except fuels	21,625	10	15	250	5,227	16,123	2,427	13,696	---
Subtotal forest products, wood and chips	0	---	---	0	---	---	---	---	
4170 wood in the rough	0	---	---	0	---	---	---	---	
Subtotal pulp and waste paper	6	---	5	1	---	---	---	---	
4225 pulp & waste paper	6	---	5	1	---	---	---	---	
Subtotal soil, sand, gravel, rock and stone	2,469	---	---	---	1	2,468	2,407	61	
4322 limestone	2,405	---	---	---	---	2,405	2,405	---	
4327 phosphate rock	1	---	---	---	1	---	---	---	
4331 sand & gravel	63	---	---	---	---	63	2	61	
Subtotal iron ore and scrap	18,769	---	---	28	5,106	13,635	---	13,635	
4410 iron ore	18,769	---	---	28	5,106	13,635	---	13,635	
Subtotal non-ferrous ores and scrap	6	---	0	---	6	---	---	---	
4680 non-ferrous scrap	0	---	0	---	---	---	---	---	
4690 non-ferrous ores nec	6	---	---	---	6	---	---	---	
Subtotal sulphur, clay and salt	123	---	9	---	115	---	---	---	
4782 clay & refrac. mat.	123	---	9	---	115	---	---	---	
Subtotal slag	29	10	---	---	---	20	20	---	
4860 slag	29	10	---	---	---	20	20	---	
Subtotal other non-metal. min.	222	---	1	221	---	---	---	---	
4900 non-metal. min. nec	222	---	1	221	---	---	---	---	
Total primary manufactured goods	725	49	0	342	28	305	305	---	
Subtotal paper products	1	---	0	1	---	---	---	---	
5120 paper & paperboard	1	---	0	1	---	---	---	---	
5190 paper products nec	0	---	0	---	---	---	---	---	
Subtotal lime, cement and glass	699	29	0	336	28	305	305	---	
5220 cement & concrete	698	29	---	336	28	305	305	---	
5290 misc. mineral prod.	0	0	0	---	---	---	---	---	
Subtotal primary iron and steel products	25	20	---	5	---	---	---	---	
5330 i&s plates & sheets	25	20	---	5	---	---	---	---	
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---	---	
5429 smelted prod. nec	0	---	0	---	---	---	---	---	
5480 fab. metal products	0	0	---	0	---	---	---	---	
Subtotal primary wood products	1	---	---	1	---	---	---	---	
5540 primary wood prod.	1	---	---	1	---	---	---	---	

DULUTH-SUPERIOR HARBOR, MN AND WI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports	Exports	Imports	Exports	Total	Lakewise		
							Receipts	Shipments	
Total food and farm products	4,768	---	2,174	397	1,844	354	---	354	---
Subtotal fish	0	---	0	---	---	---	---	---	---
6134 fish (not shellfish)	0	---	0	---	---	---	---	---	---
Subtotal grain	3,476	---	1,758	396	968	354	---	354	---
6241 wheat	2,913	---	1,627	---	962	323	---	323	---
6344 corn	41	---	34	---	6	---	---	---	---
6443 barley & rye	487	---	92	396	---	---	---	---	---
6445 oats	35	---	5	---	---	30	---	30	---
Subtotal oilseeds	1,280	---	412	---	868	---	---	---	---
6522 soybeans	1,280	---	412	---	868	---	---	---	---
6590 oilseeds nec	8	---	---	---	8	---	---	---	---
Subtotal vegetable products	1	---	1	---	---	---	---	---	---
6654 vegetables & prod.	1	---	1	---	---	---	---	---	---
Subtotal processed grain and animal feed	4	---	3	1	---	---	---	---	---
6747 grain mill products	1	---	0	1	---	---	---	---	---
6782 animal feed, prep.	3	---	3	---	---	---	---	---	---
Subtotal other agricultural products	1	---	1	0	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---	---
6858 fruit juices	0	---	0	---	---	---	---	---	---
6889 food products nec	0	---	---	0	---	---	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	1	1	0	0	0	---	---	---	---
7110 machinery (not elec)	0	0	0	0	0	---	---	---	---
7120 electrical machinery	1	1	---	---	---	---	---	---	---
7210 vehicles & parts	0	0	0	---	---	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---	---	---
7230 ships & boats	0	---	0	---	0	---	---	---	---
7500 textile products	0	---	0	---	---	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---	---	---
Total unknown or not elsewhere classified	0	0	0	---	---	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---	---	---

TACONITE HARBOR, MN

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,555	1990	9,651	1993	9,716	1996	8,408
1988	8,267	1991	8,684	1994	9,510		
1989	8,991	1992	9,069	1995	9,247		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total, all commodities	8,408	238	8,170
Total coal	238	238	---
1100 coal lignite	238	238	---
Total crude materials, inedible except fuels	8,170	---	8,170
Subtotal iron ore and scrap	8,170	---	8,170
4410 iron ore	8,170	---	8,170

PRESQUE ISLE HARBOR, MI

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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	9,333	1990	7,737	1993	9,672	1996	8,959
1988	11,433	1991	7,801	1994	10,191		
1989	12,156	1992	10,737	1995	10,099		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	8,959	67	1,195	7,698	1,283	6,414
Total coal	908	26	---	882	882	---
1100 coal lignite	908	26	---	882	882	---
Total chemicals and related products	0	0	---	---	---	---
Subtotal other chemicals and related products	0	0	---	---	---	---
3282 pigments & paints	0	0	---	---	---	---
Total crude materials, inedible except fuels	8,051	41	1,195	6,816	401	6,414
Subtotal soil, sand, gravel, rock and stone	428	---	---	428	401	26
4322 limestone	428	---	---	428	401	26
Subtotal iron ore and scrap	7,612	29	1,195	6,388	---	6,388
4410 iron ore	7,612	29	1,195	6,388	---	6,388
Subtotal other non-metal. min.	12	12	---	---	---	---
4900 non-metal. min. nec	12	12	---	---	---	---
Total all manufactured equipment, machinery and products	0	0	---	---	---	---
7110 machinery (not elec)	0	0	---	---	---	---
7210 vehicles & parts	0	0	---	---	---	---

MARQUETTE HARBOR, MI

Section Included: Entire harbor. Controlling Depth: 26 feet. Project Depth: 27 feet. Navigation Season: May 14 to November 22.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	617	1990	626	1993	789	1996	1,598
1988	729	1991	634	1994	822		
1989	770	1992	454	1995	836		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise
		Receipts
Total, all commodities	1,598	1,598
Total coal	1,022	1,022
1100 coal lignite	1,022	1,022
Total crude materials, inedible except fuels	576	576
Subtotal soil, sand, gravel, rock and stone	576	576
4322 limestone	576	576

ONTONAGON HARBOR, MI

Section Included: Mouth of Ontonagon River, MI. Controlling Depth: 19 feet in lake approach, 19 feet between entrance piers, and 15 feet in Harbor Basin. Project Depth: 19 feet in lake approach and 19 feet between entrance piers, and 15 feet in inner basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	302	1990	174	1993	360	1996	252
1988	235	1991	157	1994	393		
1989	160	1992	244	1995	56		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic
		Imports	Exports	Lakewise Receipts
Total, all commodities	252	1	91	161
Total coal	180	---	45	135
1100 coal lignite	180	---	45	135
Total crude materials, inedible except fuels	72	1	46	26
Subtotal soil, sand, gravel, rock and stone	26	---	---	26
4322 limestone	26	---	---	26
Subtotal iron ore and scrap	46	---	46	---
4410 iron ore	46	---	46	---
Subtotal slag	1	1	---	---
4860 slag	1	1	---	---

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

Section Included: Private loading dock on St. Marys River at Drummond Island, MI. Controlling Depths: 30 feet to and from Lake Huron; 27.0 feet to and from Lake Superior; 27.0 feet to Lake Superior; 23 feet at dock. Project Depth: See St. Marys River.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,516	1990	758	1993	2,205	1996	1,682
1988	535	1991	786	1994	1,474		
1989	820	1992	1,496	1995	1,606		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic
		Imports	Exports	Lakewise Shipments
Total, all commodities	1,682	6	295	1,381
Total chemicals and related products	6	6	---	---
Subtotal other chemicals and related products	6	6	---	---
3275 inorg. elem., oxides, & halogen salts	6	6	---	---
Total crude materials, inedible except fuels	1,676	---	295	1,381
Subtotal soil, sand, gravel, rock and stone	1,676	---	295	1,381
4322 limestone	1,676	---	295	1,381

ST. MARYS RIVER, MI

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	29.4
Point Iroquois Anchorage areas	29.0	21.0
Birch Point Course	28.0-30.0	30.0
Brush Point Course	28.0-30.0	
Point Louise Channel	28.0	28.0
Point Aux Pins Course	28.0	28.0
Vidal Shoals Channel	28.0	28.0

Locks and Canal (see report for St. Marys Fall Canal)

Bayfield Channel Course 1	28.0	28.0
Anchorage and maneuver area angle courses 1 and 2	28.5	28.5
Little Rapids Courses 2 and 3	27.0	27.0
Lake Nicolet Channel	29.0	29.0
Lake Nicolet Anchorage	28.0	28.0
Middle 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	61,475	1990	71,865	1993	69,623	1996	78,939
1988	72,443	1991	68,055	1994	75,939		
1989	73,469	1992	71,223	1995	78,639		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign			Canadian			
		Exports	Through		Imports	Exports	Through	
			Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	17,407	9	59	2,258	19	295	3,238	11,530
Total coal	2,216	---	---	1	---	---	1,210	1,006
1100 coal lignite	2,190	---	---	1	---	---	1,210	980
1200 coal coke	26	---	---	---	---	---	---	26
Total petroleum and petroleum products	147	---	---	67	---	---	36	44
Subtotal petroleum products	147	---	---	67	---	---	36	44
2211 gasoline	23	---	---	---	---	---	---	23
2340 residual fuel oil	21	---	---	---	---	---	8	14
2350 lube oil & greases	0	---	---	0	---	---	---	---
2410 petro. jelly & waxes	0	---	---	0	---	---	---	---
2430 asphalt, tar & pitch	7	---	---	---	---	---	---	7
2540 petroleum coke	96	---	---	67	---	---	29	---
2640 liquid natural gas	0	---	---	---	---	---	---	0
Total chemicals and related products	275	4	---	0	6	---	32	232
Subtotal fertilizers	227	---	---	---	0	---	---	227
3110 nitrogenous fert.	4	---	---	---	0	---	---	4
3130 potassic fert.	223	---	---	---	---	---	---	223
Subtotal other chemicals and related products	48	4	---	0	6	---	32	6
3219 other hydrocarbons	5	---	---	---	---	---	---	5
3230 carboxylic acids	0	---	---	0	---	---	---	---
3240 nitrogen func. comp.	0	---	---	0	---	---	---	---
3250 organo-inorganic comp.	0	0	---	0	---	---	---	---
3274 sodium hydroxide	18	---	---	---	---	---	18	---
3275 inorg. elem. oxides, & halogen salts	7	---	---	---	6	---	---	1
3276 metallic salts	14	---	---	0	---	---	14	---
3282 pigments & paints	0	---	---	0	---	---	0	---

ST. MARYS RIVER, MI
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign			Canadian			
		Exports	Through		Imports	Exports	Through	
			Upbound	Downbnd			Upbound	Downbnd
3284 medicines	4	4	---	---	---	---	---	---
3285 perfumes & cleansers	0	---	---	---	---	---	---	---
3286 plastics	0	---	---	---	---	---	---	---
3291 pesticides	0	---	---	---	---	---	---	---
3292 starches, gluten, glue	0	---	---	---	---	---	---	---
3299 chem. products nec	0	0	---	---	---	---	---	---
Total crude materials, inedible except fuels	9,140	0	10	15	13	295	1,545	7,262
Subtotal forest products, wood and chips	0	0	---	---	---	---	---	---
4189 lumber	0	0	---	---	---	---	---	---
Subtotal pulp and waste paper	5	---	---	5	---	---	---	---
4225 pulp & waste paper	5	---	---	5	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,084	---	---	---	---	295	1,022	767
4322 limestone	1,317	---	---	---	---	295	1,022	---
4327 phosphate rock	1	---	---	---	---	---	---	1
4331 sand & gravel	766	---	---	---	---	---	---	766
Subtotal iron ore and scrap	6,637	---	---	---	1	---	216	6,421
4410 iron ore	6,595	---	---	---	---	---	216	6,379
4420 iron & steel scrap	42	---	---	---	1	---	---	42
Subtotal non-ferrous ores and scrap	0	---	---	0	---	---	---	---
4680 non-ferrous scrap	0	---	---	0	---	---	---	---
Subtotal sulphur, clay and salt	26	---	---	9	---	---	---	18
4782 clay & refrac. mat.	26	---	---	9	---	---	---	18
Subtotal slag	11	---	10	---	---	---	1	1
4860 slag	11	---	10	---	---	---	1	1
Subtotal other non-metal. min.	376	---	---	1	12	---	307	56
4900 non-metal. min. nec	376	---	---	1	12	---	307	56
Total primary manufactured goods	1,315	0	49	0	---	---	415	851
Subtotal paper products	0	0	---	0	---	---	---	---
5120 paper & paperboard	0	0	---	0	---	---	---	---
5190 paper products nec	0	---	---	0	---	---	---	---
Subtotal lime, cement and glass	1,290	---	29	---	---	---	410	851
5220 cement & concrete	1,290	---	29	---	---	---	410	851
5290 misc. mineral prod.	0	---	0	0	---	---	---	---
Subtotal primary iron and steel products	25	---	20	---	---	---	5	---
5330 i&s plates & sheets	25	---	20	---	---	---	5	---
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---	---
5429 smelted prod. nec	0	---	---	0	---	---	---	---
5480 fab. metal products	0	---	0	0	---	---	---	---
Total food and farm products	4,312	4	---	2,174	---	---	---	2,133
Subtotal fish	0	---	---	0	---	---	---	---
6134 fish (not shellfish)	0	---	---	0	---	---	---	---
Subtotal grain	3,010	1	---	1,758	---	---	---	1,251
6241 wheat	2,708	---	---	1,627	---	---	---	1,080
6344 corn	41	1	---	34	---	---	---	6
6443 barley & rye	124	---	---	92	---	---	---	33
6445 oats	137	---	---	5	---	---	---	132
Subtotal oilseeds	1,291	4	---	412	---	---	---	875
6522 soybeans	1,283	4	---	412	---	---	---	868
6590 oilseeds nec	8	---	---	---	---	---	---	8
Subtotal vegetable products	1	0	---	1	---	---	---	---
6653 vegetable oils	0	0	---	---	---	---	---	---
6654 vegetables & prod.	1	---	---	1	---	---	---	---
Subtotal processed grain and animal feed	9	---	---	3	---	---	---	6
6747 grain mill products	4	---	---	0	---	---	---	4
6781 hay & fodder	2	---	---	---	---	---	---	2
6782 animal feed, prep.	3	---	---	3	---	---	---	---
Subtotal other agricultural products	1	0	---	1	---	---	---	0
6811 meat, fresh, frozen	0	---	---	0	---	---	---	---
6822 dairy products	0	---	---	0	---	---	---	---
6839 animals & prod. nec	0	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	0	---	0	---	---	---	---
6858 fruit juices	0	---	---	0	---	---	---	---
6885 alcoholic beverages	0	---	---	---	---	---	---	0
6891 tobacco & products	0	---	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	2	0	1	0	---	---	0	1
7110 machinery (not elec)	1	0	0	0	---	---	0	1
7120 electrical machinery	1	---	1	---	---	---	---	0
7210 vehicles & parts	0	---	0	0	---	---	0	0
7220 aircraft & parts	0	---	---	0	---	---	---	---
7230 ships & boats	0	---	---	0	---	---	---	0
7500 textile products	0	---	---	0	---	---	---	---
7600 rubber & plastic pr.	0	---	---	0	---	---	---	---

ST. MARYS RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign			Canadian			
		Exports	Through		Imports	Exports	Through	
			Upbound	Downbnd			Upbound	Downbnd
7900 manufac. prod. nec	0	0	0	0	---	---	---	0
Total unknown or not elsewhere classified	0	---	0	0	0	---	---	---
9900 unknown or nec	0	---	0	0	0	---	---	---
Ton-miles (x1000) Foreign & Canadian	1,034,847	398	3,801	144,515	991	13,028	153,496	718,618

Commodity	Total	Lakewise		
		Shipments	Through	
			Upbound	Downbnd
Total, all commodities	61,531	1,404	4,600	55,527
Total coal	12,655	---	1,052	11,603
1100 coal lignite	12,640	---	1,037	11,603
1200 coal coke	14	---	14	---
Total chemicals and related products	9	---	9	---
Subtotal other chemicals and related products	9	---	9	---
3276 metallic salts	9	---	9	---
Total crude materials, inedible except fuels	48,209	1,404	3,235	43,570
Subtotal soil, sand, gravel, rock and stone	4,683	1,381	3,216	87
4322 limestone	4,620	1,381	3,213	26
4331 sand & gravel	63	---	2	61
Subtotal iron ore and scrap	43,506	24	---	43,483
4410 iron ore	43,192	24	---	43,169
4420 iron & steel scrap	314	---	---	314
Subtotal slag	20	---	20	---
4860 slag	20	---	20	---
Total primary manufactured goods	305	---	305	---
Subtotal lime, cement and glass	305	---	305	---
5220 cement & concrete	305	---	305	---
Total food and farm products	354	---	---	354
Subtotal grain	354	---	---	354
6241 wheat	323	---	---	323
6445 oats	30	---	---	30
Ton-miles (x1000) Lakewise	3,900,652	52,530	294,418	3,553,703
Tons All Traffic (x1000)		78,939		
Ton-miles All Traffic (x1000)		4,935,499		

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

Section Included: American and Canadian Navigation Canals and Locks at St. Marys Falls, Sault Ste. Marie, MI, 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 Depth: See St. Marys River.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	62,460	1990	68,514	1993	65,351	1996	75,353
1988	74,054	1991	64,808	1994	72,657		
1989	75,143	1992	67,752	1995	75,113		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Lakewise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
						Upbound	Downbnd	
Total, all commodities	75,353	59	2,258	1,095	11,274	60,666	5,140	55,527
Total coal	13,572	---	1	104	813	12,655	1,052	11,603
1100 coal lignite	13,558	---	1	104	813	12,640	1,037	11,603
1200 coal coke	14	---	---	---	---	14	14	---
Total petroleum and petroleum products	141	---	67	36	37	---	---	---
Subtotal petroleum products	141	---	67	36	37	---	---	---
2211 gasoline	23	---	---	---	23	---	---	---
2340 residual fuel oil	21	---	---	8	14	---	---	---
2350 lube oil & greases	0	---	0	---	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---
2540 petroleum coke	96	---	67	29	---	---	---	---

ST. MARYS FALLS CANAL, MI AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CN (INCLUDED IN ST. MARYS RIVER)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Lakewise	
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd
2640 liquid natural gas	0	---	---	---	0	---	---	---
Total chemicals and related products	274	---	0	32	234	9	9	---
Subtotal fertilizers	227	---	---	---	227	---	---	---
3110 nitrogenous fert.	4	---	---	---	4	---	---	---
3130 potassic fert.	223	---	---	---	223	---	---	---
Subtotal other chemicals and related products	48	---	0	32	7	9	9	---
3230 carboxylic acids	0	---	0	---	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3274 sodium hydroxide	18	---	---	18	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	7	---	---	---	7	---	---	---
3276 metallic salts	23	---	0	14	---	9	9	---
3282 pigments & paints	0	---	0	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---	---
3286 plastics	0	---	0	---	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	55,131	10	15	557	7,205	47,344	3,774	43,570
Subtotal pulp and waste paper	5	---	5	---	---	---	---	---
4225 pulp & waste paper	5	---	5	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	4,801	---	---	192	767	3,842	3,755	87
4322 limestone	3,971	---	---	192	---	3,779	3,752	26
4327 phosphate rock	1	---	---	---	1	---	---	---
4331 sand & gravel	829	---	---	---	766	63	2	61
Subtotal iron ore and scrap	49,919	---	---	57	6,379	43,483	---	43,483
4410 iron ore	49,605	---	---	57	6,379	43,169	---	43,169
4420 iron & steel scrap	314	---	---	---	---	314	---	314
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
Subtotal sulphur, clay and salt	26	---	9	---	18	---	---	---
4782 clay & refrac. mat.	26	---	9	---	18	---	---	---
Subtotal slag	30	10	---	1	---	20	20	---
4860 slag	30	10	---	1	---	20	20	---
Subtotal other non-metal. min.	349	---	1	307	41	---	---	---
4900 non-metal. min. nec	349	---	1	307	41	---	---	---
Total primary manufactured goods	1,571	49	0	366	851	305	305	---
Subtotal paper products	0	---	0	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
5190 paper products nec	0	---	0	---	---	---	---	---
Subtotal lime, cement and glass	1,546	29	---	362	851	305	305	---
5220 cement & concrete	1,546	29	---	362	851	305	305	---
5290 misc. mineral prod.	0	0	0	---	---	---	---	---
Subtotal primary iron and steel products	25	20	---	5	---	---	---	---
5330 i&s plates & sheets	25	20	---	5	---	---	---	---
Subtotal primary non-ferrous metal products	0	0	0	---	---	---	---	---
5429 smelted prod. nec	0	---	0	---	---	---	---	---
5480 fab. metal products	0	0	0	---	---	---	---	---
Total food and farm products	4,661	---	2,174	---	2,133	354	---	354
Subtotal fish	0	---	0	---	---	---	---	---
6134 fish (not shellfish)	0	---	0	---	---	---	---	---
Subtotal grain	3,363	---	1,758	---	1,251	354	---	354
6241 wheat	3,031	---	1,627	---	1,080	323	---	323
6344 corn	41	---	34	---	6	---	---	---
6443 barley & rye	124	---	92	---	33	---	---	---
6445 oats	168	---	5	---	132	30	---	30
Subtotal oilseeds	1,287	---	412	---	875	---	---	---
6522 soybeans	1,280	---	412	---	868	---	---	---
6590 oilseeds nec	8	---	---	---	8	---	---	---
Subtotal vegetable products	1	---	1	---	---	---	---	---
6654 vegetables & prod.	1	---	1	---	---	---	---	---
Subtotal processed grain and animal feed	9	---	3	---	6	---	---	---
6747 grain mill products	4	---	0	---	4	---	---	---
6781 hay & fodder	2	---	---	---	2	---	---	---
6782 animal feed, prep.	3	---	3	---	---	---	---	---
Subtotal other agricultural products	1	---	1	---	0	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---

ST. MARYS FALLS CANAL, MI AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CN (INCLUDED IN ST. MARYS RIVER)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Lakewise	
		Upbound	Downbnd	Upbound	Downbnd		Through	
						Upbound	Downbnd	
6858 fruit juices	0	---	0	---	---	---	---	---
6885 alcoholic beverages	0	---	---	---	0	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	2	1	0	0	1	---	---	---
7110 machinery (not elec)	1	0	0	0	1	---	---	---
7120 electrical machinery	1	1	---	---	0	---	---	---
7210 vehicles & parts	0	0	0	0	0	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	---	0	---	0	---	---	---
7500 textile products	0	---	0	---	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	0	---	---	---
Total unknown or not elsewhere classified	0	0	0	---	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---	---
Ton-miles (x1000)	4,562,705	3,742	142,257	68,946	559,227	3,788,534	290,357	3,498,177

Tons All Traffic (x1000)
 Ton-miles All Traffic (x1000)

75,353
 4,562,705

GRAYS REEF PASSAGE, MI

Section Included: East channel, 3,000 feet wide and about 2 miles long. Controlling and project depths: 25 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	3,464	1990	8,214	1993	8,892	1996	8,152
1988	3,713	1991	8,265	1994	9,763		
1989	4,569	1992	8,826	1995	8,792		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian	Total	Domestic		Internal Through Upbound
		Through		Lakewise		
		Upbound		Upbound	Downbnd	
Total, all commodities	8,152	64	8,087	3,355	4,728	4
Total coal	2,270	---	2,270	740	1,530	---
1100 coal lignite	2,151	---	2,151	621	1,530	---
1200 coal coke	119	---	119	119	---	---
Total petroleum and petroleum products	739	---	739	708	28	4
Subtotal petroleum products	739	---	739	708	28	4
2211 gasoline	145	---	145	127	18	---
2330 distillate fuel oil	164	---	164	164	---	---
2340 residual fuel oil	30	---	30	22	5	4
2430 asphalt, tar & pitch	368	---	368	365	3	---
2540 petroleum coke	32	---	32	30	2	---
Total chemicals and related products	103	---	103	103	---	---
Subtotal other chemicals and related products	103	---	103	103	---	---
3276 metallic salts	103	---	103	103	---	---
Total crude materials, inedible except fuels	3,671	---	3,671	1,370	2,301	---
Subtotal soil, sand, gravel, rock and stone	3,044	---	3,044	1,176	1,868	---
4322 limestone	2,527	---	2,527	981	1,546	---
4323 gypsum	300	---	300	---	300	---
4331 sand & gravel	216	---	216	195	21	---
Subtotal iron ore and scrap	355	---	355	154	201	---
4410 iron ore	353	---	353	154	199	---
4420 iron & steel scrap	2	---	2	---	2	---
Subtotal slag	149	---	149	40	109	---
4860 slag	149	---	149	40	109	---
Subtotal other non-metal. min.	123	---	123	---	123	---
4900 non-metal. min. nec	123	---	123	---	123	---
Total primary manufactured goods	1,368	64	1,304	434	870	---
Subtotal lime, cement and glass	1,368	64	1,304	434	870	---
5220 cement & concrete	1,368	64	1,304	434	870	---
Total all manufactured equipment, machinery and products	0	---	0	0	---	---
7900 manufac. prod. nec	0	---	0	0	---	---

GRAYS REEF PASSAGE, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Canadian	Domestic			
		Through	Total	Lakewise		
		Upbound		Through	Internal	
				Upbound	Downbnd	Upbound
Ton-miles (x1000)	988,966	1,282	987,685	445,606	541,083	995

Tons All Traffic (x1000)
Ton-miles All Traffic (x1000)

8,152
988,969

CHARLEVOIX HARBOR, MI

Section Included: Entrance channel and entire area of Round Lake and Lake Charlevoix, including Advance, Boyne City and East Jordan. Controlling Depth: 18 feet. Project Depth: 23 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	127	1990	1,508	1993	1,467	1996	1,666
1988	118	1991	1,312	1994	1,549		
1989	1,456	1992	1,353	1995	1,584		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Exports	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	1,666	64	1,602	297	1,305
Total coal	270	---	270	270	---
1100 coal lignite	270	---	270	270	---
Total crude materials, inedible except fuels	25	---	25	25	---
Subtotal soil, sand, gravel, rock and stone	25	---	25	25	---
4322 limestone	11	---	11	11	---
4323 gypsum	14	---	14	14	---
Total primary manufactured goods	1,366	64	1,302	1	1,300
Subtotal lime, cement and glass	1,366	64	1,302	1	1,300
5220 cement & concrete	1,366	64	1,302	1	1,300
Total unknown or not elsewhere classified	5	---	5	1	4
9900 unknown or nec	5	---	5	1	4

TRAVERSE CITY HARBOR, MI

Section Included: City of Traverse City and the Bay Shore to and including the existing federal project located at Greilickville Hbr., Michigan, about 1.25 miles north of the city limits. Controlling Depth: 14 and 10 feet at the existing project. Project Depth: 14 feet in basin area and 10 feet in mooring area at the existing project. Navigation season: March 4 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	253	1990	210	1993	221	1996	297
1988	259	1991	190	1994	282		
1989	212	1992	221	1995	226		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise Receipts
Total, all commodities	297	297
Total petroleum and petroleum products	297	297
Subtotal petroleum products	297	297
2211 gasoline	148	148
2330 distillate fuel oil	149	149

MANISTEE HARBOR, MI

Section Included: Entrance channel and entire area of Manistee Lake, including Filer City. Controlling Depths: 24 feet over the entrance bar, through the outer basin and in the channel between the piers; thence 23 feet in the river channel, narrowing to a minimum width of about 100 to 140 feet to Manistee Lake. Project Depths: 25 feet in the outer basin and 23 feet in the river to Manistee Lake. Navigation season: March 30 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	241	1990	535	1993	425	1996	460
1988	245	1991	372	1994	483		
1989	325	1992	456	1995	432		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Imports	Total	Lakewise	
			Receipts	Shipments	
Total, all commodities	460	35	426	411	14
Total coal	335	---	335	335	---
1100 coal lignite	310	---	310	310	---
1200 coal coke	25	---	25	25	---
Total chemicals and related products	14	---	14	---	14
Subtotal other chemicals and related products	14	---	14	---	14
3276 metallic salts	14	---	14	---	14
Total crude materials, inedible except fuels	111	35	76	76	---
Subtotal soil, sand, gravel, rock and stone	54	---	54	54	---
4322 limestone	54	---	54	54	---
Subtotal other non-metal. min.	57	35	22	22	---
4900 non-metal. min. nec	57	35	22	22	---

LUDINGTON HARBOR, MI

Section Included: Entrance channel and entire area of Pere Marquette Lake. Controlling Depths: 26 feet in the outer entrance bar and 27 feet in the channel to Pere Marquette Lake. Project Depths: Outer entrance channel, 30 feet; inner entrance channel, 29.5 feet; channel to Pere Marquette Lake, 29 feet; north and south mooring basins, 18 feet. Navigation season: April 2 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	894	1990	1,291	1993	966	1996	1,237
1988	1,152	1991	929	1994	1,093		
1989	1,179	1992	846	1995	1,150		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Shipments
		Imports	Exports	Imports	Exports	Total	Lakewise		
						Receipts	Shipments		
Total, all commodities	1,237	2	23	92	26	1,093	787	188	118
Total chemicals and related products	263	---	---	---	26	237	---	119	118
Subtotal other chemicals and related products	263	---	---	---	26	237	---	119	118
3276 metallic salts	263	---	---	---	26	237	---	119	118
Total crude materials, inedible except fuels	972	---	23	92	---	856	787	69	---
Subtotal soil, sand, gravel, rock and stone	824	---	---	---	---	824	755	69	---
4322 limestone	755	---	---	---	---	755	755	---	---
4331 sand & gravel	69	---	---	---	---	69	---	69	---
Subtotal sulphur, clay and salt	70	---	23	47	---	---	---	---	---
4782 clay & refrac. mat.	70	---	23	47	---	---	---	---	---
Subtotal slag	32	---	---	---	---	32	32	---	---
4860 slag	32	---	---	---	---	32	32	---	---
Subtotal other non-metal. min.	46	---	---	46	---	---	---	---	---
4900 non-metal. min. nec	46	---	---	46	---	---	---	---	---

LUDINGTON HARBOR, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Lakewise		Internal Shipments
							Receipts	Shipments	
Total primary manufactured goods	2	2	---	---	---	---	---	---	
Subtotal primary iron and steel products	2	2	---	---	---	---	---	---	
5330 i&s plates & sheets	2	2	---	---	---	---	---	---	

MUSKEGON HARBOR, MI

Section Included: Entrance channel and entire area of Muskegon Lake. Controlling Depths: 29.0 feet through the outer portion of project and 27 feet in channel to Muskegon Lake. Project Depth: Varying from 29.0 feet at harbor entrance to 28 feet between breakwaters and 27 feet in inner channel. Navigation season: April 7 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,202	1990	1,802	1993	1,635	1996	2,172
1988	1,544	1991	1,358	1994	2,004		
1989	1,877	1992	1,562	1995	1,825		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic
		Exports	Imports	Exports	Lakewise Receipts
Total, all commodities	2,172	9	365	131	1,668
Total coal	1,103	---	---	---	1,103
1100 coal lignite	1,103	---	---	---	1,103
Total chemicals and related products	9	---	---	---	9
Subtotal fertilizers	9	---	---	---	9
3110 nitrogenous fert.	9	---	---	---	9
Total crude materials, inedible except fuels	988	9	365	131	484
Subtotal soil, sand, gravel, rock and stone	467	---	88	88	291
4310 building stone	2	---	2	---	---
4322 limestone	363	---	29	45	289
4331 sand & gravel	102	---	57	43	2
Subtotal iron ore and scrap	43	---	---	43	---
4410 iron ore	43	---	---	43	---
Subtotal sulphur, clay and salt	97	9	89	---	---
4782 clay & refrac. mat.	97	9	89	---	---
Subtotal slag	193	---	---	---	193
4860 slag	193	---	---	---	193
Subtotal other non-metal. min.	188	---	188	---	---
4900 non-metal. min. nec	188	---	188	---	---
Total primary manufactured goods	72	---	---	---	72
Subtotal lime, cement and glass	72	---	---	---	72
5220 cement & concrete	72	---	---	---	72
Total all manufactured equipment, machinery and products	0	---	0	---	---
7110 machinery (not elec)	0	---	0	---	---

GRAND HAVEN HARBOR AND GRAND RIVER, MI

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; 21 feet to the sag; 20 feet to Grand Trunk RY. Bridge at Ferrysburg; 18 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. Navigation season: March 1 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,388	1990	1,052	1993	1,004	1996	971
1988	1,424	1991	792	1994	878		
1989	1,333	1992	871	1995	961		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Imports	Exports	Total	Lakewise		
						Receipts	Shipments	
Total, all commodities	971	4	79	52	836	721	115	
Total coal	175	---	---	---	175	175	---	
1100 coal lignite	175	---	---	---	175	175	---	
Total petroleum and petroleum products	5	---	---	---	5	5	---	
Subtotal petroleum products	5	---	---	---	5	5	---	
2430 asphalt, tar & pitch	5	---	---	---	5	5	---	
Total chemicals and related products	1	---	1	---	---	---	---	
Subtotal other chemicals and related products	1	---	1	---	---	---	---	
3275 inorg. elem., oxides, & halogen salts	1	---	1	---	---	---	---	
Total crude materials, inedible except fuels	555	4	78	52	421	322	100	
Subtotal soil, sand, gravel, rock and stone	287	---	---	52	235	136	100	
4322 limestone	160	---	---	29	132	132	---	
4331 sand & gravel	127	---	---	23	104	4	100	
Subtotal sulphur, clay and salt	61	4	57	---	---	---	---	
4782 clay & refrac. mat.	61	4	57	---	---	---	---	
Subtotal slag	186	---	---	---	186	186	---	
4860 slag	186	---	---	---	186	186	---	
Subtotal other non-metal. min.	21	---	21	---	---	---	---	
4900 non-metal. min. nec	21	---	21	---	---	---	---	
Total primary manufactured goods	234	---	---	---	234	219	16	
Subtotal lime, cement and glass	234	---	---	---	234	219	16	
5220 cement & concrete	234	---	---	---	234	219	16	
Total all manufactured equipment, machinery and products	0	---	0	---	---	---	---	
7230 ships & boats	0	---	0	---	---	---	---	

HOLLAND HARBOR, MI

Section Included: Controlling Depths: Entrance channel - 23 feet decreasing to 20 feet at the outer end of the inner pier; thence a controlling depth of 19 feet for a channel through Lake Macatawa to the wharves in Holland, Michigan; a Turning Basin 18 feet deep; a channel in Black River 21 feet deep and a settling basin with a project depth of 17 feet above the Black River channel to the State Street Bridge. Navigation season: March 13 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	314	1990	391	1993	317	1996	407
1988	313	1991	262	1994	391		
1989	361	1992	316	1995	432		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Imports	Lakewise Receipts
Total, all commodities	407	26	381
Total coal	141	---	141
1100 coal lignite	141	---	141
Total crude materials, inedible except fuels	266	26	240
Subtotal soil, sand, gravel, rock and stone	209	---	209
4322 limestone	209	---	209
Subtotal slag	31	---	31
4860 slag	31	---	31
Subtotal other non-metal. min.	26	26	---
4900 non-metal. min. nec	26	26	---

ST. JOSEPH HARBOR, MI

Section Included: Entrance channel and lower portion of St. Joseph River to and including Benton Harbor Canal. Controlling Depth: 24 feet at entrance; 21 feet between entrance piers and in the river to the mouth of the Paw Paw River; with miscellaneous of shoaling along the channel limits; 17 feet in the Turning Basin; and 16 feet at Benton Harbor Canal. Project Depths: 24 feet at entrance, and 21 feet in channel and river to the mouth of the Paw Paw River; 18 feet in turning basins and the Benton Harbor Canal. Navigation season: March 7 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	492	1990	445	1993	485	1996	447
1988	463	1991	418	1994	631		
1989	386	1992	543	1995	598		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise Receipts
Total, all commodities	447	447
Total crude materials, inedible except fuels	275	275
Subtotal soil, sand, gravel, rock and stone	275	275
4322 limestone	275	275
Total primary manufactured goods	172	172
Subtotal lime, cement and glass	172	172
5220 cement & concrete	172	172

CHEBOYGAN HARBOR, MI

Section Included: Entrance channel and 3 500 feet of river. Controlling Depth: 21 feet to East First Street, including turning basin, and 18.5 feet to the State Road Bridge. Project Depth: 21 feet to East First Street; 18.5 feet to the State Road Bridge; 8.5 feet above the State Road Bridge to Lock in Cheboygan River; 21 feet in turning basin. Navigation season: 14 April to 9 December.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	142	1990	134	1993	221	1996	276
1988	162	1991	115	1994	299		
1989	143	1992	110	1995	314		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise Receipts
Total, all commodities	276	276
Total petroleum and petroleum products	276	276
Subtotal petroleum products	276	276
2211 gasoline	133	133
2330 distillate fuel oil	142	142

MILWAUKEE HARBOR, WI

Section Included: Lake Approach Channel, outer harbor, Milwaukee River to Buffalo Street, lower 2 miles of Menomonee River, lower 2 miles of Kinnickinnic River and South Menomonee and Burnham Canals. Controlling and project depths: 30 feet in Lake Approach Channel, 28 feet in the entrance channel and the south outer harbor, 21 feet in the north outer harbor, 27 feet in the Kinnickinnic River to the Chicago and North Western Railway Bridge at mile 1.0, thence 21 feet to South Kinnickinnic 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 Burnham Canals.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,161	1990	2,128	1993	2,496	1996	2,858
1988	2,289	1991	2,076	1994	2,641		
1989	2,379	1992	2,153	1995	3,262		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	1,433	131	74	1,037	190
Total chemicals and related products	0	---	0	---	---
Subtotal other chemicals and related products	0	---	0	---	---
3286 plastics	0	---	0	---	---
Total crude materials, inedible except fuels	923	---	15	852	56
Subtotal pulp and waste paper	4	---	4	---	---
4225 pulp & waste paper	4	---	4	---	---

MILWAUKEE HARBOR, WI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal soil, sand, gravel, rock and stone	56	---	---	---	56
4331 sand & gravel	56	---	---	---	56
Subtotal iron ore and scrap	5	---	---	5	---
4420 iron & steel scrap	5	---	---	5	---
Subtotal non-ferrous ores and scrap	11	---	11	---	---
4690 non-ferrous ores nec	11	---	11	---	---
Subtotal other non-metal. min.	847	---	---	847	---
4900 non-metal. min. nec	847	---	---	847	---
Total primary manufactured goods	314	129	0	185	0
Subtotal paper products	0	---	0	---	---
5120 paper & paperboard	0	---	0	---	---
Subtotal lime, cement and glass	140	0	---	140	---
5220 cement & concrete	140	---	---	140	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary iron and steel products	173	129	---	45	0
5312 pig iron	45	---	---	45	---
5320 i&s primary forms	1	1	---	---	---
5330 i&s plates & sheets	117	117	---	---	0
5360 i&s bars & shapes	11	11	---	---	---
Subtotal primary non-ferrous metal products	0	0	0	---	---
5429 smelted prod. nec	0	0	---	---	---
5480 fab. metal products	0	0	0	---	---
Total food and farm products	193	---	59	---	134
Subtotal grain	161	---	35	---	126
6344 corn	161	---	35	---	126
Subtotal oilseeds	32	---	24	---	9
6522 soybeans	32	---	24	---	9
Subtotal processed grain and animal feed	0	---	0	---	---
6747 grain mill products	0	---	0	---	---
Subtotal other agricultural products	0	---	0	---	---
6839 animals & prod. nec	0	---	0	---	---
Total all manufactured equipment, machinery and products	3	2	0	0	---
7110 machinery (not elec)	2	2	0	0	---
7120 electrical machinery	0	---	0	---	---
7210 vehicles & parts	0	0	0	---	---
7230 ships & boats	0	0	---	---	---
7500 textile products	0	---	0	---	---
7900 manufac. prod. nec	0	0	0	0	---

Commodity	Total	Domestic			
		Lakewise		Internal	
		Receipts	Shipments	Shipments	Intraport
Total, all commodities	1,425	1,293	57	1	75
Total coal	617	612	5	---	---
1100 coal lignite	617	612	5	---	---
Total petroleum and petroleum products	144	144	---	---	---
Subtotal petroleum products	144	144	---	---	---
2430 asphalt, tar & pitch	144	144	---	---	---
Total crude materials, inedible except fuels	302	193	35	---	75
Subtotal soil, sand, gravel, rock and stone	213	104	35	---	75
4322 limestone	11	11	---	---	---
4331 sand & gravel	117	49	2	---	66
4335 waterway improv. mat	85	43	32	---	9
Subtotal iron ore and scrap	25	25	---	---	---
4410 iron ore	25	25	---	---	---
Subtotal other non-metal. min.	63	63	---	---	---
4900 non-metal. min. nec	63	63	---	---	---
Total primary manufactured goods	362	345	17	---	---
Subtotal lime, cement and glass	351	334	17	---	---
5220 cement & concrete	351	334	17	---	---
Subtotal primary iron and steel products	11	11	---	---	---
5312 pig iron	11	11	---	---	---
Total all manufactured equipment, machinery and products	1	---	---	1	---
7110 machinery (not elec)	1	---	---	1	---

PORT WASHINGTON HARBOR, WI

Section Included: Outer harbor and interior basins. Controlling and project depths: 21 feet in the entrance channel and outer turning basin; 18 feet in inner basins.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	127	1990	139	1993	84	1996	546
1988	186	1991	125	1994	335		
1989	173	1992	120	1995	390		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise
		Receipts
Total, all commodities	546	546
Total coal	546	546
1100 coal lignite	546	546

MANITOWOC HARBOR, WI

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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	176	1990	201	1993	300	1996	312
1988	112	1991	272	1994	330		
1989	218	1992	274	1995	373		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total, all commodities	312	248	64
Total coal	100	100	---
1100 coal lignite	100	100	---
Total crude materials, inedible except fuels	64	---	64
Subtotal soil, sand, gravel, rock and stone	64	---	64
4331 sand & gravel	9	---	9
4335 waterway improv. mat	55	---	55
Total primary manufactured goods	148	148	---
Subtotal lime, cement and glass	148	148	---
5220 cement & concrete	148	148	---

GREEN BAY HARBOR, WI

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; 18 feet in the upper river channel and turning basin at the city of De Pere.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,431	1990	1,677	1993	2,587	1996	2,176
1988	1,640	1991	2,068	1994	2,288		
1989	1,547	1992	2,431	1995	2,122		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Exports	Imports	Total	Lakewise	Internal
				Receipts		Intra
				Upbound		
Total, all commodities	2,176	13	429	1,734	1,547	187
Total coal	757	---	---	757	757	---
1100 coal lignite	757	---	---	757	757	---
Total petroleum and petroleum products	83	---	20	63	63	---
Subtotal petroleum products	83	---	20	63	63	---
2330 distillate fuel oil	20	---	20	---	---	---

GREEN BAY HARBOR, WI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Exports	Imports	Total	Lakewise	Internal
				Receipts		Intra Upbound
2430 asphalt, tar & pitch	60	---	---	60	60	---
2540 petroleum coke	2	---	---	2	2	---
Total chemicals and related products	15	---	---	15	15	---
Subtotal other chemicals and related products	15	---	---	15	15	---
3276 metallic salts	15	---	---	15	15	---
Total crude materials, inedible except fuels	937	0	267	670	483	187
Subtotal pulp and waste paper	0	0	---	---	---	---
4225 pulp & waste paper	0	0	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	639	---	---	639	452	187
4322 limestone	452	---	---	452	452	---
4331 sand & gravel	187	---	---	187	---	187
Subtotal other non-metal. min.	298	---	267	31	31	---
4900 non-metal. min. nec	298	---	267	31	31	---
Total primary manufactured goods	338	1	109	229	229	---
Subtotal paper products	1	1	---	---	---	---
5120 paper & paperboard	1	1	---	---	---	---
Subtotal lime, cement and glass	338	---	109	229	229	---
5220 cement & concrete	338	---	109	229	229	---
Subtotal primary non-ferrous metal products	0	0	---	---	---	---
5422 aluminum	0	0	---	---	---	---
Total food and farm products	45	13	33	---	---	---
Subtotal grain	33	---	33	---	---	---
6443 barley & rye	33	---	33	---	---	---
Subtotal other agricultural products	13	13	---	---	---	---
6838 tallow, animal oils	13	13	---	---	---	---
Total all manufactured equipment, machinery and products	0	0	---	---	---	---
7110 machinery (not elec)	0	0	---	---	---	---

ALPENA HARBOR, MI

Section Included: Lower 4,000 feet of river and private harbors north of mouth of Thunder Bay River. Controlling Depth: 21 feet in the bay section; 17 feet in river; 15 feet in turning basin. Project Depths: channel 21 feet deep from that depth in Thunder Bay to a point 2,500 feet lakeward of the lighthouse; thence 18.5 feet in river narrowing to 100-foot width at a point 700 feet upstream from the lighthouse; thence 100 feet wide and 18.5 feet deep to the Second Ave. Bridge; thence 18.5 feet deep and 75 feet wide to the upper limits of the project; a turning basin 15 feet deep by 3.7 acres at the upper end of project; and a turning basin 18.5 feet deep at the river mouth. Navigation season: March 15 to December 17.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,969	1990	2,255	1993	2,547	1996	2,345
1988	2,128	1991	2,284	1994	2,672		
1989	2,397	1992	2,486	1995	2,767		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
				Receipts	Shipments	
Total, all commodities	2,345	48	134	2,163	615	1,548
Total coal	441	---	---	441	441	---
1100 coal lignite	257	---	---	257	257	---
1200 coal coke	184	---	---	184	184	---
Total crude materials, inedible except fuels	258	48	36	174	174	---
Subtotal soil, sand, gravel, rock and stone	20	---	---	20	20	---
4322 limestone	20	---	---	20	20	---
Subtotal iron ore and scrap	154	---	---	154	154	---
4410 iron ore	154	---	---	154	154	---
Subtotal slag	18	---	18	---	---	---
4860 slag	18	---	18	---	---	---
Subtotal other non-metal. min.	66	48	18	---	---	---
4900 non-metal. min. nec	66	48	18	---	---	---
Total primary manufactured goods	1,646	---	98	1,548	---	1,548
Subtotal lime, cement and glass	1,646	---	98	1,548	---	1,548
5220 cement & concrete	1,646	---	98	1,548	---	1,548

SAGINAW RIVER, MI

Section Included: From the mouth of the river up to and including Saginaw, Michigan. Controlling Depths: 27 feet from the 25 foot contour in Saginaw Bay to 26 feet at the river mouth, 4 feet miscellaneous shoaling along channel limits; thence 24 feet to the Grand Trunk 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 (this section not maintained). Controlling depths in turning basins are: Essexville - 23 feet north side, 22 feet south side; Airport - 21 feet; Carrollton - 19 feet; Sixth Street - 20 feet; basin at 19 mile point - 15 feet. Project Depths: 27 feet from the deep water in Saginaw Bay to the river mouth; thence 26 feet for 0.4 mile; thence 25 feet to the Grand Trunk R.R. Bridge; thence 22 feet to the C&O R.R. Bridge in Saginaw; thence 16.5 feet to the upstream limits at Green Point. 20 and 25 feet in Essexville Turning Basin; 22 feet in the Airport turning basin; 20 feet in the Carrollton Turning Basin; 20 feet in the Sixth Street Turning Basin and 15 feet in the Turning Basin at the 19 mile point. Navigation season: March 24 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	4,342	1990	4,039	1993	5,234	1996	5,264
1988	4,571	1991	3,895	1994	5,119		
1989	4,674	1992	3,789	1995	4,720		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic
		Imports	Exports	Lakewise Receipts
Total, all commodities	5,264	1,171	105	3,988
Total coal	603	26	---	577
1100 coal lignite	603	26	---	577
Total petroleum and petroleum products	31	0	---	31
Subtotal petroleum products	31	0	---	31
2340 residual fuel oil	25	---	---	25
2430 asphalt, tar & pitch	5	---	---	5
2640 liquid natural gas	0	0	---	---
Total chemicals and related products	177	82	---	95
Subtotal fertilizers	82	82	---	---
3130 potassic fert.	82	82	---	---
Subtotal other chemicals and related products	95	0	---	95
3276 metallic salts	95	---	---	95
3285 perfumes & cleansers	0	0	---	---
Total crude materials, inedible except fuels	4,062	779	105	3,177
Subtotal soil, sand, gravel, rock and stone	3,756	608	105	3,043
4310 building stone	0	0	---	---
4322 limestone	3,146	---	105	3,041
4323 gypsum	0	---	0	---
4331 sand & gravel	610	608	---	2
Subtotal other non-metal. min.	306	171	---	134
4900 non-metal. min. nec	306	171	---	134
Total primary manufactured goods	392	283	---	108
Subtotal lime, cement and glass	392	283	---	108
5220 cement & concrete	392	283	---	108
Total all manufactured equipment, machinery and products	0	0	---	---
7110 machinery (not elec)	0	0	---	---

ST. CLAIR RIVER, MI

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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	68,396	1990	75,438	1993	69,062	1996	78,546
1988	76,541	1991	66,003	1994	75,531		
1989	78,458	1992	68,613	1995	78,813		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	25,619	9	5	2,318	2,755	321	179	7,854	12,178
Total coal	4,213	---	---	---	21	---	40	3,265	887
1100 coal lignite	4,142	---	---	---	1	---	40	3,240	861
1200 coal coke	71	---	---	---	20	---	---	25	26

ST. CLAIR RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total petroleum and petroleum products	900	---	---	0	115	0	---	253	532
Subtotal crude petroleum	6	---	---	---	---	---	---	---	6
2100 crude petroleum	6	---	---	---	---	---	---	---	6
Subtotal petroleum products	895	---	---	0	115	0	---	253	526
2211 gasoline	43	---	---	---	---	---	---	9	34
2221 kerosene	2	---	---	---	---	---	---	2	---
2330 distillate fuel oil	34	---	---	---	---	---	---	20	14
2340 residual fuel oil	156	---	---	---	---	---	---	69	87
2350 lube oil & greases	14	---	---	0	0	---	---	8	6
2410 petro. jelly & waxes	0	---	---	---	0	---	---	---	---
2429 naphtha & solvents	18	---	---	---	---	---	---	1	17
2430 asphalt, tar & pitch	87	---	---	---	---	---	---	21	65
2540 petroleum coke	540	---	---	---	115	---	---	122	303
2640 liquid natural gas	0	---	---	---	---	0	---	---	---
Total chemicals and related products	537	2	2	11	13	64	0	128	318
Subtotal fertilizers	291	---	---	---	0	51	---	63	177
3110 nitrogenous fert.	55	---	---	---	---	51	---	0	4
3120 phosphatic fert.	22	---	---	---	---	---	---	22	---
3130 potassic fert.	191	---	---	---	---	---	---	18	173
3190 fert. & mixes nec	22	---	---	---	0	---	---	22	---
Subtotal other chemicals and related products	247	2	2	11	12	13	0	66	142
3212 benzene & toluene	24	---	---	---	---	---	---	8	16
3219 other hydrocarbons	12	0	---	6	0	---	---	3	3
3220 alcohols	84	---	---	0	0	---	---	7	77
3230 carboxylic acids	4	0	---	4	0	---	---	---	---
3240 nitrogen func. comp.	4	0	0	0	0	4	---	---	---
3250 organo-inorganic comp.	1	0	0	0	1	---	0	0	---
3260 organic comp. nec	5	---	1	0	1	---	---	2	---
3272 sulphuric acid	19	---	---	---	---	---	---	---	19
3273 ammonia	3	---	---	---	---	3	---	---	---
3274 sodium hydroxide	32	---	---	---	---	---	---	32	---
3275 inorg. elem., oxides, & halogen salts	6	0	---	0	0	6	---	---	0
3276 metallic salts	41	0	---	0	0	---	---	14	26
3279 inorganic chem. nec	0	---	---	0	---	---	---	---	---
3281 radioactive material	0	---	---	---	0	---	---	---	---
3282 pigments & paints	1	0	0	0	0	0	---	0	0
3283 coloring mat. nec	0	0	---	---	0	---	---	---	---
3284 medicines	4	0	0	0	4	---	---	---	---
3285 perfumes & cleansers	2	0	0	0	2	---	---	0	0
3286 plastics	2	0	0	0	1	0	---	0	0
3291 pesticides	0	---	0	---	0	---	---	---	---
3292 starches, gluten, glue	3	0	0	0	3	---	---	---	---
3297 chemical additives	0	0	0	---	0	---	---	---	---
3299 chem. products nec	1	0	0	0	0	---	---	0	---

ST. CLAIR RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total crude materials, inedible except fuels	11,158	0	1	52	170	253	113	3,483	7,085
Subtotal forest products, wood and chips	162	0	---	0	0	0	---	0	161
4189 lumber	162	---	---	0	0	0	---	0	161
4190 forest products nec	0	0	---	0	0	---	---	---	0
Subtotal pulp and waste paper	24	---	---	9	16	---	---	---	---
4225 pulp & waste paper	24	---	---	9	16	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,939	0	---	0	0	247	113	23	2,555
4310 building stone	1	0	---	0	---	---	0	---	0
4322 limestone	2,493	---	---	---	---	---	97	23	2,373
4323 gypsum	11	---	---	---	0	---	---	---	11
4327 phosphate rock	1	---	---	---	---	---	---	---	1
4331 sand & gravel	434	---	---	---	0	247	16	---	170
Subtotal iron ore and scrap	6,727	0	---	2	4	---	---	2,785	3,936
4410 iron ore	6,668	---	---	---	---	---	---	2,774	3,894
4420 iron & steel scrap	58	0	---	2	4	---	---	11	42
Subtotal non-ferrous ores and scrap	49	---	1	28	20	---	0	0	---
4650 aluminum ore	29	---	1	28	0	---	---	---	---
4680 non-ferrous scrap	2	---	---	0	2	---	0	---	---
4690 non-ferrous ores nec	18	---	---	---	18	---	---	0	---
Subtotal sulphur, clay and salt	150	---	---	4	128	---	---	---	18
4782 clay & refrac. mat.	150	---	---	4	128	---	---	---	18
Subtotal slag	10	0	---	10	---	---	---	0	---
4860 slag	10	0	---	10	---	---	---	0	---
Subtotal other non-metal, min. min. nec	1,097	---	---	0	2	6	---	675	415
4900 non-metal, min. nec	1,097	---	---	0	2	6	---	675	415
Total primary manufactured goods	3,633	2	0	2,239	11	0	7	716	658
Subtotal paper products	15	0	0	0	2	0	0	0	12
5110 newsprint	2	---	---	---	---	---	---	---	2
5120 paper & paperboard	12	0	0	0	1	---	0	0	10
5190 paper products nec	1	0	0	0	1	0	---	---	---
Subtotal lime, cement and glass	1,299	0	0	61	1	---	7	595	636
5220 cement & concrete	1,297	---	---	60	---	---	7	595	635
5240 glass & glass prod.	0	0	0	0	0	---	---	0	0
5290 misc. mineral prod.	1	0	0	0	0	---	---	0	0
Subtotal primary iron and steel products	2,288	1	---	2,153	6	0	---	120	8
5312 pig iron	152	---	---	56	---	---	---	87	8
5315 ferro alloys	26	0	---	26	---	---	---	---	---
5320 i&s primary forms	624	---	---	624	---	---	---	---	---
5330 i&s plates & sheets	1,357	0	---	1,324	0	---	---	33	0
5360 i&s bars & shapes	68	0	---	62	6	---	---	0	---
5370 i&s pipe & tube	9	---	---	9	0	---	---	---	---
5390 primary i&s nec	52	0	---	52	0	0	---	---	---
Subtotal primary non-ferrous metal products	30	1	0	25	2	0	---	0	2
5421 copper	0	0	---	0	0	---	---	---	0
5422 aluminum	2	0	---	1	0	---	---	---	0
5429 smelted prod. nec	19	0	---	17	1	---	---	---	0

ST. CLAIR RIVER, MI
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
5480 fab. metal products	10	0	0	7	0	0	---	0	1
Subtotal primary wood products	1	0	---	0	0	---	---	0	1
5540 primary wood prod.	1	0	---	0	0	---	---	0	1
Total food and farm products	5,142	1	1	0	2,419	0	19	7	2,695
Subtotal fish	0	---	---	---	0	---	0	---	---
6134 fish (not shellfish)	0	---	---	---	0	---	0	---	---
Subtotal grain	3,418	---	---	0	1,885	0	18	0	1,514
6241 wheat	2,733	---	---	---	1,627	0	---	---	1,106
6344 corn	447	---	---	---	162	---	18	---	268
6442 rice	0	---	---	0	---	---	---	0	---
6443 barley & rye	92	---	---	---	92	---	---	---	---
6445 oats	146	---	---	---	5	---	---	---	141
Subtotal oilseeds	1,658	---	---	0	514	---	---	0	1,144
6522 soybeans	1,658	---	---	---	514	---	---	---	1,144
6590 oilseeds nec	8	---	---	0	---	---	---	---	8
Subtotal vegetable products	2	0	0	0	1	0	---	1	---
6653 vegetable oils	1	---	---	0	0	---	---	0	---
6654 vegetables & prod.	2	0	0	0	1	0	---	0	---
Subtotal processed grain and animal feed	31	0	---	0	3	---	---	0	28
6747 grain mill products	4	0	---	---	0	---	---	---	4
6781 hay & fodder	2	---	---	---	---	---	---	---	2
6782 animal feed, prep.	25	0	---	0	3	---	---	0	21
Subtotal other agricultural products	25	0	0	0	16	0	1	6	1
6811 meat, fresh, frozen	1	---	---	---	1	---	---	0	---
6817 meat, prepared	0	---	---	---	0	---	---	---	---
6822 dairy products	0	---	---	---	0	---	---	0	---
6835 fish, prepared	1	0	---	---	---	---	1	---	---
6838 tallow, animal oils	14	---	---	---	14	---	---	---	---
6839 animals & prod. nec	1	0	---	0	1	---	0	---	---
6857 fruit & nuts nec	0	---	---	0	0	0	---	0	0
6858 fruit juices	0	0	---	0	0	---	0	0	0
6861 sugar	0	---	0	---	---	---	---	---	---
6865 molasses	6	---	---	---	---	---	---	6	---
6871 coffee	0	---	---	0	---	---	---	---	0
6885 alcoholic beverages	1	0	---	0	0	0	---	0	0
6888 water & ice	0	0	---	---	---	---	---	---	---
6889 food products nec	1	0	0	0	1	---	---	0	0
6891 tobacco & products	0	---	---	---	0	---	---	---	---
6899 farm products nec	0	0	---	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	34	3	1	17	7	3	0	1	3
7110 machinery (not elec)	17	2	1	10	2	1	0	0	1
7120 electrical machinery	6	0	0	4	1	0	---	0	0
7210 vehicles & parts	4	1	0	1	0	2	0	0	0
7220 aircraft & parts	0	---	---	0	0	0	---	---	---
7230 ships & boats	0	0	---	0	0	0	---	---	0
7300 ordnance & access.	0	---	---	---	0	---	---	---	---
7400 manufac. wood prod.	0	0	---	0	0	---	---	0	0
7500 textile products	2	0	0	0	0	0	---	0	1
7600 rubber & plastic pr.	1	0	0	0	0	0	0	0	0
7900 manufac. prod. nec	5	0	0	1	2	0	---	0	1

ST. CLAIR RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total unknown or not elsewhere classified	1	0	---	0	0	1	---	0	0
9900 unknown or nec	1	0	---	0	0	1	---	0	0
Ton-miles Foreign & Canadian (x1000)	984,227	319	200	90,417	107,446	1,218	3,385	306,297	474,946

Commodity	Total	Domestic			
		Receipts	Lakewise		Internal
			Through		Through
		Upbound	Downbnd	Downbnd	
Total, all commodities	52,926	10,677	4,208	38,037	4
Total coal	14,560	8,956	3,648	1,956	---
1100 coal lignite	14,484	8,956	3,648	1,880	---
1200 coal coke	76	---	---	76	---
Total petroleum and petroleum products	526	30	59	433	4
Subtotal petroleum products	526	30	59	433	4
2211 gasoline	24	---	24	---	---
2330 distillate fuel oil	51	30	---	21	---
2340 residual fuel oil	56	---	30	22	4
2430 asphalt, tar & pitch	363	---	3	360	---
2540 petroleum coke	32	---	2	30	---
Total crude materials, inedible except fuels	36,812	1,692	501	34,619	---
Subtotal soil, sand, gravel, rock and stone	10,448	1,677	19	8,751	---
4322 limestone	9,615	1,677	---	7,938	---
4323 gypsum	621	---	---	621	---
4331 sand & gravel	212	---	19	193	---
Subtotal iron ore and scrap	25,787	---	2	25,785	---
4410 iron ore	25,674	---	---	25,674	---
4420 iron & steel scrap	114	---	2	112	---
Subtotal slag	305	---	222	83	---
4860 slag	305	---	222	83	---
Subtotal other non-metal. min.	272	15	257	---	---
4900 non-metal. min. nec	272	15	257	---	---
Total primary manufactured goods	675	---	---	675	---
Subtotal lime, cement and glass	675	---	---	675	---
5220 cement & concrete	675	---	---	675	---
Total food and farm products	354	---	---	354	---
Subtotal grain	354	---	---	354	---
6241 wheat	323	---	---	323	---
6445 oats	30	---	---	30	---
Ton-miles (x1000) Domestic	1,831,409	183,699	164,124	1,483,435	151
Tons All Traffic (x1000)					78,546
Ton-miles All Traffic (x1000)					2,815,637

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

Section Included: West bank of the St. Clair River from mouth of river to Grand Trunk Western Railroad Bridge and both banks of the Black River up to Washington Avenue in Port Huron, Michigan. Controlling Depths: from Lake St. Clair to Stag Island, 27.1 feet. In the Stag Island to Port Huron channel and the foot of Lake Huron channel, 27.3 feet and 30 feet respectively. In the Black River, 17 feet, for a width of 70 feet, from the mouth to 1,700 feet upstream of the Grand Trunk Western Railroad Bridge, and 15 feet for a width of 50 feet through the settling basin to Washington Avenue. Project Depths: In the St. Clair River, slopes from 30 feet at head 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	539	1990	1,429	1993	1,687	1996	581
1988	955	1991	1,609	1994	839		
1989	1,034	1992	1,652	1995	488		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Imports	Exports	Imports	Exports	Lakewise
						Receipts
Total, all commodities	581	9	5	199	19	349
Total petroleum and petroleum products	0	---	---	0	---	---
Subtotal petroleum products	0	---	---	0	---	---
2640 liquid natural gas	0	---	---	0	---	---
Total chemicals and related products	68	2	2	64	0	---
Subtotal fertilizers	51	---	---	51	---	---
3110 nitrogenous fert.	51	---	---	51	---	---
Subtotal other chemicals and related products	16	2	2	13	0	---
3219 other hydrocarbons	0	0	---	---	---	---
3230 carboxylic acids	0	0	---	---	---	---
3240 nitrogen func. comp.	4	0	0	4	---	---
3250 organo-inorganic comp.	0	0	0	---	0	---
3260 organic comp. nec	1	---	1	---	---	---
3273 ammonia	3	---	---	3	---	---
3275 inorg. elem. oxides, & halogen salts	6	0	---	6	---	---
3276 metallic salts	0	0	---	---	---	---
3282 pigments & paints	1	0	0	0	---	---
3283 coloring mat. nec	0	0	---	---	---	---
3284 medicines	0	0	0	---	---	---
3285 perfumes & cleansers	0	0	0	---	---	---
3286 plastics	1	0	0	0	---	---
3291 pesticides	0	---	0	---	---	---
3292 starches, gluten, glue	0	0	0	---	---	---
3297 chemical additives	0	0	0	---	---	---
3299 chem. products nec	0	0	0	---	---	---
Total crude materials, inedible except fuels	481	0	1	131	0	349
Subtotal forest products, wood and chips	0	0	---	0	---	---
4189 lumber	0	---	---	0	---	---
4190 forest products nec	0	0	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	474	0	---	125	0	349
4310 building stone	1	0	---	---	0	---
4322 limestone	349	---	---	---	---	349
4331 sand & gravel	125	---	---	125	---	---
Subtotal iron ore and scrap	0	0	---	---	---	---
4420 iron & steel scrap	0	0	---	---	---	---
Subtotal non-ferrous ores and scrap	1	---	1	---	0	---
4650 aluminum ore	1	---	1	---	---	---
4680 non-ferrous scrap	0	---	---	---	0	---
Subtotal slag	0	0	---	---	---	---
4860 slag	0	0	---	---	---	---
Subtotal other non-metal. min.	6	---	---	6	---	---
4900 non-metal. min. nec	6	---	---	6	---	---
Total primary manufactured goods	3	2	0	0	0	---
Subtotal paper products	1	0	0	0	0	---
5120 paper & paperboard	1	0	0	---	0	---
5190 paper products nec	0	0	0	0	---	---
Subtotal lime, cement and glass	0	0	0	---	---	---
5240 glass & glass prod.	0	0	0	---	---	---
5290 misc. mineral prod.	0	0	0	---	---	---
Subtotal primary iron and steel products	1	1	---	0	---	---
5315 ferro alloys	0	0	---	---	---	---
5330 i&s plates & sheets	0	0	---	---	---	---
5360 i&s bars & shapes	0	0	---	---	---	---
5390 primary i&s nec	0	0	---	0	---	---
Subtotal primary non-ferrous metal products	1	1	0	0	---	---
5421 copper	0	0	---	---	---	---
5422 aluminum	0	0	---	---	---	---
5429 smelted prod. nec	0	0	---	---	---	---
5480 fab. metal products	0	0	0	0	---	---
Subtotal primary wood products	0	0	---	---	---	---
5540 primary wood prod.	0	0	---	---	---	---
Total food and farm products	21	1	1	0	19	---
Subtotal fish	0	---	---	---	0	---
6134 fish (not shellfish)	0	---	---	---	0	---
Subtotal grain	18	---	---	0	18	---
6241 wheat	0	---	---	0	---	---
6344 corn	18	---	---	---	18	---
Subtotal vegetable products	1	0	0	0	---	---
6654 vegetables & prod.	1	0	0	0	---	---

PORT HURON, MI (INCLUDED IN ST. CLAIR RIVER)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Imports	Exports	Imports	Exports	Lakewise Receipts
Subtotal processed grain and animal feed	0	0	---	---	---	---
6747 grain mill products	0	0	---	---	---	---
6782 animal feed, prep.	0	0	---	---	---	---
Subtotal other agricultural products	2	0	0	0	1	---
6835 fish, prepared	1	0	---	---	1	---
6839 animals & prod. nec	0	0	---	---	0	---
6857 fruit & nuts nec	0	---	---	0	---	---
6858 fruit juices	0	0	---	---	0	---
6861 sugar	0	---	0	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---
6888 water & ice	0	0	---	---	---	---
6889 food products nec	0	0	0	---	---	---
6899 farm products nec	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	7	3	1	3	0	---
7110 machinery (not elec)	3	2	1	1	0	---
7120 electrical machinery	0	0	0	0	---	---
7210 vehicles & parts	3	1	0	2	0	---
7220 aircraft & parts	0	---	---	0	---	---
7230 ships & boats	0	0	---	0	---	---
7400 manufac. wood prod.	0	0	---	---	---	---
7500 textile products	0	0	0	0	---	---
7600 rubber & plastic pr.	0	0	0	0	0	---
7900 manufac. prod. nec	0	0	0	0	---	---
Total unknown or not elsewhere classified	1	0	---	1	---	---
9900 unknown or nec	1	0	---	1	---	---

MARYSVILLE, MI (INCLUDED IN ST. CLAIR RIVER)

Section Included: West bank of St. Clair River at Marysville, MI. 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.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	440	1990	615	1993	736	1996	1,068
1988	221	1991	518	1994	1,175		
1989	559	1992	640	1995	889		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic
		Imports	Exports	Lakewise Receipts
Total, all commodities	1,068	122	160	786
Total coal	143	---	40	103
1100 coal lignite	143	---	40	103
Total crude materials, inedible except fuels	918	122	113	683
Subtotal soil, sand, gravel, rock and stone	906	122	113	670
4322 limestone	767	---	97	670
4331 sand & gravel	138	122	16	---
Subtotal other non-metal. min.	12	---	---	12
4900 non-metal. min. nec	12	---	---	12
Total primary manufactured goods	7	---	7	---
Subtotal lime, cement and glass	7	---	7	---
5220 cement & concrete	7	---	7	---
Total food and farm products	0	0	---	---
Subtotal other agricultural products	0	0	---	---
6885 alcoholic beverages	0	0	---	---
Total all manufactured equipment, machinery and products	0	0	---	---
7210 vehicles & parts	0	0	---	---
7500 textile products	0	0	---	---
Total unknown or not elsewhere classified	0	0	---	---
9900 unknown or nec	0	0	---	---

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

Section Included: West bank of St. Clair River at St. Clair, MI Controlling Depth: 27.3 feet. Project Depth: 27.3 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	8,450	1990	4,889	1993	5,039	1996	5,427
1988	8,212	1991	4,778	1994	5,887		
1989	5,756	1992	4,666	1995	5,028		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise Receipts
Total, all commodities	5,427	5,427
Total coal	5,397	5,397
1100 coal lignite	5,397	5,397
Total petroleum and petroleum products	30	30
Subtotal petroleum products	30	30
2330 distillate fuel oil	30	30

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

Section Included: West bank of St. Clair River at Marine City, MI, 25.3 miles upbound to Lake Huron; 19.2 miles downbound to Lake St. Clair, MI Controlling Depth: 27 feet. Project Depth(at low water datum): 27.3 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	419	1990	4,497	1993	3,454	1996	4,116
1988	383	1991	3,896	1994	3,572		
1989	328	1992	3,174	1995	3,850		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise Receipts
Total, all commodities	4,116	4,116
Total coal	3,456	3,456
1100 coal lignite	3,456	3,456
Total crude materials, inedible except fuels	660	660
Subtotal soil, sand, gravel, rock and stone	658	658
4322 limestone	658	658
Subtotal other non-metal. min.	3	3
4900 non-metal. min. nec	3	3

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 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	58,521	1990	64,034	1993	56,982	1996	67,111
1988	66,198	1991	54,232	1994	63,963		
1989	69,851	1992	58,131	1995	68,555		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Through Downbnd
		Through		Through		Total	Lakewise Through		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
Total, all commodities	67,111	2,327	2,760	7,464	11,716	42,843	4,803	38,037	4
Total coal	10,032	---	21	3,238	887	5,886	3,930	1,956	---
1100 coal lignite	9,885	---	1	3,213	861	5,810	3,930	1,880	---
1200 coal coke	147	---	20	25	26	76	---	76	---

CHANNELS IN LAKE ST. CLAIR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Through Downbnd
		Through		Through		Total	Lakewise Through		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
Total petroleum and petroleum products	1,365	0	115	203	521	526	89	433	4
Subtotal crude petroleum	6	---	---	---	6	---	---	---	---
2100 crude petroleum	6	---	---	---	6	---	---	---	---
Subtotal petroleum products	1,359	0	115	203	515	526	89	433	4
2211 gasoline	66	---	---	9	34	24	24	---	---
2221 kerosene	2	---	---	2	---	---	---	---	---
2330 distillate fuel oil	65	---	---	---	14	51	30	21	---
2340 residual fuel oil	189	---	---	46	87	56	30	22	4
2350 lube oil & greases	14	0	0	8	6	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---	---
2429 naphtha & solvents	18	---	---	1	17	---	---	---	---
2430 asphalt, tar & pitch	450	---	---	21	65	363	3	360	---
2540 petroleum coke	555	---	115	115	292	32	2	30	---
Total chemicals and related products	432	12	15	87	318	---	---	---	---
Subtotal fertilizers	217	---	0	40	177	---	---	---	---
3110 nitrogenous fert.	4	---	---	---	4	---	---	---	---
3130 potassic fert.	191	---	---	18	173	---	---	---	---
3190 fert. & mixes nec	22	---	0	22	---	---	---	---	---
Subtotal other chemicals and related products	215	12	15	47	142	---	---	---	---
3212 benzene & toluene	24	---	---	8	16	---	---	---	---
3219 other hydrocarbons	9	6	0	0	3	---	---	---	---
3220 alcohols	77	0	0	---	77	---	---	---	---
3230 carboxylic acids	4	4	0	---	---	---	---	---	---
3240 nitrogen func. comp.	0	0	0	---	---	---	---	---	---
3250 organo-inorganic comp.	1	0	1	0	---	---	---	---	---
3260 organic comp. nec	5	0	2	2	---	---	---	---	---
3272 sulphuric acid	19	---	---	---	19	---	---	---	---
3274 sodium hydroxide	32	---	---	32	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	1	0	0	---	0	---	---	---	---
3276 metallic salts	32	0	0	5	26	---	---	---	---
3279 inorganic chem. nec	0	0	---	---	---	---	---	---	---
3281 radioactive material	0	---	0	---	---	---	---	---	---
3282 pigments & paints	0	0	0	0	0	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---	---
3284 medicines	4	0	4	---	---	---	---	---	---
3285 perfumes & cleansers	2	0	2	0	0	---	---	---	---
3286 plastics	2	0	2	0	0	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---	---	---
3292 starches, gluten, glue	3	0	3	---	---	---	---	---	---
3297 chemical additives	0	0	0	---	---	---	---	---	---
3299 chem. products nec	1	0	0	0	---	---	---	---	---
Total crude materials, inedible except fuels	45,474	52	171	3,214	6,634	35,403	784	34,619	---
Subtotal forest products, wood and chips	161	0	0	0	161	---	---	---	---
4189 lumber	161	0	0	0	161	---	---	---	---

CHANNELS IN LAKE ST. CLAIR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Through Downbnd
		Through		Through		Total	Lakewise		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
4190 forest products nec	0	0	0	---	0	---	---	---	---
Subtotal pulp and waste paper	24	9	16	---	---	---	---	---	---
4225 pulp & waste paper	24	9	16	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	11,167	0	0	23	2,105	9,039	288	8,751	---
4310 building stone	1	0	---	---	0	---	---	---	---
4322 limestone	10,136	---	---	23	1,906	8,206	268	7,938	---
4323 gypsum	631	---	0	---	11	621	---	621	---
4327 phosphate rock	1	---	---	---	1	---	---	---	---
4331 sand & gravel	399	---	0	---	187	212	19	193	---
Subtotal iron ore and scrap	32,514	2	4	2,785	3,936	25,787	2	25,785	---
4410 iron ore	32,342	---	---	2,774	3,894	25,674	---	25,674	---
4420 iron & steel scrap	172	2	4	11	42	114	2	112	---
Subtotal non-ferrous ores and scrap	49	28	21	0	---	---	---	---	---
4650 aluminum ore	29	28	1	---	---	---	---	---	---
4680 non-ferrous scrap	2	0	2	---	---	---	---	---	---
4690 non-ferrous ores nec	18	---	18	0	---	---	---	---	---
Subtotal sulphur, clay and salt	150	4	128	---	18	---	---	---	---
4782 clay & refrac. mat.	150	4	128	---	18	---	---	---	---
Subtotal slag	314	10	---	0	---	305	222	83	---
4860 slag	314	10	---	0	---	305	222	83	---
Subtotal other non-metal. min. min. nec	1,094	0	2	405	415	272	272	---	---
4900 non-metal. min. nec	1,094	0	2	405	415	272	272	---	---
Total primary manufactured goods	4,299	2,241	11	714	658	675	---	675	---
Subtotal paper products	15	1	2	0	12	---	---	---	---
5110 newsprint	2	---	---	---	2	---	---	---	---
5120 paper & paperboard	12	0	1	0	10	---	---	---	---
5190 paper products nec	1	0	1	0	---	---	---	---	---
Subtotal lime, cement and glass	1,967	61	1	595	636	675	---	675	---
5220 cement & concrete	1,965	60	---	595	635	675	---	675	---
5240 glass & glass prod.	0	0	0	0	0	---	---	---	---
5290 misc. mineral prod.	1	1	0	0	0	---	---	---	---
Subtotal primary iron and steel products	2,286	2,154	6	118	8	---	---	---	---
5312 pig iron	150	56	---	85	8	---	---	---	---
5315 ferro alloys	26	26	---	---	---	---	---	---	---
5320 i&s primary forms	624	624	---	---	---	---	---	---	---
5330 i&s plates & sheets	1,357	1,324	0	33	0	---	---	---	---
5360 i&s bars & shapes	68	62	6	---	---	---	---	---	---
5370 i&s pipe & tube	9	9	0	---	---	---	---	---	---
5390 primary i&s nec	52	52	0	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	30	26	2	0	2	---	---	---	---
5421 copper	0	0	0	---	0	---	---	---	---
5422 aluminum	2	2	0	---	0	---	---	---	---
5429 smelted prod. nec	19	17	1	---	0	---	---	---	---
5480 fab. metal products	9	7	1	0	1	---	---	---	---
Subtotal primary wood products	1	0	0	0	1	---	---	---	---
5540 primary wood prod.	1	0	0	0	1	---	---	---	---

CHANNELS IN LAKE ST. CLAIR
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Lakewise		Internal
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
						Upbound	Downbnd	Downbnd	
Total food and farm products	5,477	1	2,420	7	2,695	354	---	354	---
Subtotal fish	0	---	0	---	---	---	---	---	---
6134 fish (not shellfish)	0	---	0	---	---	---	---	---	---
Subtotal grain	3,753	0	1,885	0	1,514	354	---	354	---
6241 wheat	3,056	---	1,627	---	1,106	323	---	323	---
6344 corn	429	---	162	---	268	---	---	---	---
6442 rice	0	0	---	0	---	---	---	---	---
6443 barley & rye	92	---	92	---	---	---	---	---	---
6445 oats	176	---	5	---	141	30	---	30	---
Subtotal	1,666	0	514	0	1,152	---	---	---	---
oilseeds									
6522 soybeans	1,658	---	514	0	1,144	---	---	---	---
6590 oilseeds nec	8	0	---	---	8	---	---	---	---
Subtotal	2	1	1	1	---	---	---	---	---
vegetable products									
6653 vegetable oils	1	0	0	0	---	---	---	---	---
6654 vegetables & prod.	2	0	1	0	---	---	---	---	---
Subtotal	31	0	3	0	28	---	---	---	---
processed grain and animal feed									
6747 grain mill products	4	0	0	---	4	---	---	---	---
6781 hay & fodder	2	---	---	---	2	---	---	---	---
6782 animal feed, prep.	25	0	3	0	21	---	---	---	---
Subtotal other agricultural products	24	1	17	6	1	---	---	---	---
6811 meat, fresh, frozen	1	---	1	0	---	---	---	---	---
6817 meat, prepared	0	---	0	---	---	---	---	---	---
6822 dairy products	0	---	0	0	---	---	---	---	---
6835 fish, prepared	0	0	---	---	---	---	---	---	---
6838 tallow, animal oils	14	---	14	---	---	---	---	---	---
6839 animals & prod. nec	1	0	1	---	---	---	---	---	---
6857 fruit & nuts nec	0	0	0	0	0	---	---	---	---
6858 fruit juices	0	0	0	0	0	---	---	---	---
6861 sugar	0	---	0	---	---	---	---	---	---
6865 molasses	6	---	---	6	---	---	---	---	---
6871 coffee	0	0	---	---	0	---	---	---	---
6885 alcoholic beverages	1	0	0	0	0	---	---	---	---
6888 water & ice	0	0	---	---	---	---	---	---	---
6889 food products nec	1	0	1	0	0	---	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---	---	---
6899 farm products nec	0	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	31	20	8	1	3	---	---	---	---
7110 machinery (not elec)	16	11	3	0	1	---	---	---	---
7120 electrical machinery	6	4	1	0	0	---	---	---	---
7210 vehicles & parts	2	1	0	0	0	---	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---	---	---
7230 ships & boats	0	0	0	---	0	---	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---	---	---
7400 manufac. wood prod.	0	0	0	0	0	---	---	---	---
7500 textile products	2	1	0	0	1	---	---	---	---
7600 rubber & plastic pr.	1	0	1	0	0	---	---	---	---
7900 manufac. prod. nec	4	1	2	0	1	---	---	---	---
Total unknown or not elsewhere classified	1	0	0	0	0	---	---	---	---
9900 unknown or nec	1	0	0	0	0	---	---	---	---

CHANNELS IN LAKE ST. CLAIR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Lakewise	Internal	
		Upbound	Downbnd	Upbound	Downbnd		Through	Through	
						Upbound	Downbnd	Downbnd	
Ton-miles (x1000)	1,208,000	41,886	49,688	134,352	210,892	771,182	86,450	684,662	70
Tons All Traffic (x1000)		67,111							
Ton-miles All Traffic (x1000)		1,208,000							

DETROIT RIVER, MI

Section Included: Entire length of Detroit River and Rouge River to head of project. Controlling Depths: 25 to 28.5 feet and 21 to 25 feet, respectively with 5 feet of shoaling along the channel limits of the lower Livingstone and east outer channel and with project depth in the regularly traveled shipping lanes.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	62,689	1990	69,635	1993	62,662	1996	75,023
1988	71,502	1991	57,894	1994	72,027		
1989	75,662	1992	63,134	1995	73,502		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	29,926	1,499	169	2,327	2,760	4,147	477	7,891	10,654
Total coal	4,253	19	---	---	21	317	89	3,238	570
1100 coal lignite	4,101	---	---	---	---	291	26	3,213	570
1200 coal coke	153	19	---	---	20	26	63	25	---
Total petroleum and petroleum products	1,081	0	1	0	115	72	198	209	486
Subtotal crude petroleum	6	---	---	---	---	6	---	---	---
2100 crude petroleum	6	---	---	---	---	6	---	---	---
Subtotal petroleum products	1,075	0	1	0	115	66	198	209	486
2211 gasoline	49	---	---	---	---	---	---	9	40
2221 kerosene	2	---	---	---	---	---	---	2	---
2330 distillate fuel oil	31	---	---	---	---	21	6	---	4
2340 residual fuel oil	185	---	---	---	---	26	29	52	78
2350 lube oil & greases	15	---	0	0	0	1	---	8	6
2410 petro. jelly & waxes	0	0	0	---	0	---	---	---	---
2429 naphtha & solvents	18	---	0	---	---	---	---	1	17
2430 asphalt, tar & pitch	88	---	---	---	---	1	---	21	65
2540 petroleum coke	685	---	0	---	115	17	163	115	275
Total chemicals and related products	570	8	36	12	15	6	15	87	390
Subtotal fertilizers	232	0	---	---	0	0	15	40	177
3110 nitrogenous fert.	4	0	---	---	---	0	---	---	4
3130 potassic fert.	191	---	---	---	---	---	---	18	173
3190 fert. & mixes nec	37	0	---	---	0	---	15	22	---
Subtotal other chemicals and related products	338	8	36	12	15	6	0	47	213
3211 acyclic hydrocarbons	0	0	0	---	---	---	---	---	---
3212 benzene & toluene	24	0	---	---	---	---	---	8	16
3219 other hydrocarbons	10	1	0	6	0	3	---	0	---
3220 alcohols	78	0	1	0	0	0	---	---	77
3230 carboxylic acids	8	2	2	4	0	0	---	---	---
3240 nitrogen func. comp.	4	0	4	0	0	0	---	---	---

DETROIT RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
3250 organo-inorganic comp.	2	0	1	0	1	0	---	0	---
3260 organic comp. nec	5	0	1	0	2	---	---	2	---
3272 sulphuric acid	19	---	---	---	---	---	---	---	19
3274 sodium hydroxide	32	0	---	---	---	---	---	32	---
3275 inorg. elem., oxides, & halogen salts	2	1	0	0	0	0	---	---	---
3276 metallic salts	107	1	0	0	0	0	---	5	101
3279 inorganic chem. nec	0	---	0	0	---	---	---	---	---
3281 radioactive material	0	---	---	---	0	---	---	---	---
3282 pigments & paints	5	0	1	0	0	3	---	0	---
3283 coloring mat. nec	0	0	0	0	0	0	---	---	---
3284 medicines	5	1	1	0	4	---	---	---	---
3285 perfumes & cleansers	15	0	13	0	2	0	0	0	0
3286 plastics	10	1	5	0	2	0	0	0	0
3291 pesticides	0	0	0	---	0	---	---	---	---
3292 starches, gluten, glue	5	0	1	0	3	0	---	---	---
3297 chemical additives	4	1	3	0	0	0	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---	---	---	---
3299 chem. products nec	3	0	2	0	0	0	---	0	---
Total crude materials, inedible except fuels	13,542	163	22	52	171	2,836	159	3,651	6,488
Subtotal forest products, wood and chips	262	0	1	0	0	100	---	0	161
4110 rubber & gums	0	---	0	---	---	---	---	---	---
4170 wood in the rough	0	---	0	---	---	---	---	---	---
4189 lumber	262	0	0	0	0	100	---	0	161
4190 forest products nec	1	0	0	0	0	---	---	---	0
Subtotal pulp and waste paper	24	---	---	9	16	---	---	---	---
4225 pulp & waste paper	24	---	---	9	16	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,660	0	2	0	0	32	59	480	2,086
4310 building stone	1	0	0	0	---	---	---	---	0
4322 limestone	2,365	---	---	---	---	---	---	458	1,906
4323 gypsum	13	---	2	---	0	---	---	---	11
4327 phosphate rock	1	---	---	---	---	---	---	---	1
4331 sand & gravel	281	0	0	---	0	32	59	21	168
Subtotal iron ore and scrap	9,102	163	10	2	4	2,163	81	2,766	3,914
4410 iron ore	8,811	---	---	---	---	2,088	74	2,754	3,894
4420 iron & steel scrap	291	163	10	2	4	75	7	11	20
Subtotal non-ferrous ores and scrap	88	0	0	28	21	39	---	0	---
4650 aluminum ore	29	---	0	28	1	---	---	---	---
4680 non-ferrous scrap	2	0	0	0	2	---	---	---	---
4690 non-ferrous ores nec	58	0	0	---	18	39	---	0	---
Subtotal sulphur, clay and salt	158	0	8	4	128	0	---	---	18
4782 clay & refrac. mat.	158	0	8	4	128	0	---	---	18
Subtotal slag	15	---	---	10	---	5	---	0	---
4860 slag	15	---	---	10	---	5	---	0	---
Subtotal other non-metal. min.	1,232	---	1	0	2	497	19	405	309
4900 non-metal. min. nec	1,232	---	1	0	2	497	19	405	309

DETROIT RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total primary manufactured goods	5,221	1,286	39	2,241	11	907	16	698	23
Subtotal paper products	20	1	4	1	2	0	---	0	12
5110 newsprint	2	---	---	---	---	---	---	---	2
5120 paper & paperboard	16	1	3	0	1	0	---	0	10
5190 paper products nec	2	0	1	0	1	---	---	0	---
Subtotal lime, cement and glass	1,565	4	5	61	1	900	16	579	0
5220 cement & concrete	1,555	0	---	60	---	900	16	579	---
5240 glass & glass prod.	4	1	3	0	0	---	---	0	0
5290 misc. mineral prod.	6	3	2	1	0	---	---	0	0
Subtotal primary iron and steel products	3,595	1,278	24	2,154	6	6	0	118	8
5312 pig iron	150	0	0	56	---	---	---	85	8
5315 ferro alloys	37	11	---	26	---	---	---	---	---
5320 i&s primary forms	919	294	0	624	---	---	---	---	---
5330 i&s plates & sheets	2,285	900	21	1,324	0	6	0	33	0
5360 i&s bars & shapes	139	71	0	62	6	0	---	---	---
5370 i&s pipe & tube	11	0	2	9	0	0	---	---	---
5390 primary i&s nec	54	2	0	52	0	---	---	0	---
Subtotal primary non-ferrous metal products	39	3	5	26	2	1	---	0	2
5421 copper	1	0	0	0	0	---	---	---	0
5422 aluminum	4	1	1	2	0	---	---	---	0
5429 smelted prod. nec	19	0	0	17	1	0	---	---	0
5480 fab. metal products	15	2	3	7	1	1	---	0	1
Subtotal primary wood products	2	0	1	0	0	0	---	0	1
5540 primary wood prod.	2	0	1	0	0	0	---	0	1
Total food and farm products	5,153	2	27	1	2,420	1	0	7	2,694
Subtotal fish	0	---	---	---	0	---	---	---	---
6134 fish (not shellfish)	0	---	---	---	0	---	---	---	---
Subtotal grain	3,407	0	8	0	1,885	---	---	0	1,514
6241 wheat	2,733	---	---	---	1,627	---	---	---	1,106
6344 corn	437	---	7	---	162	---	---	---	268
6442 rice	0	0	---	0	---	---	---	0	---
6443 barley & rye	92	---	---	---	92	---	---	---	---
6445 oats	146	---	---	---	5	---	---	---	141
6447 sorghum grains	0	---	0	---	---	---	---	---	---
Subtotal oilseeds	1,667	---	1	0	514	---	---	0	1,152
6522 soybeans	1,659	---	1	---	514	---	---	0	1,144
6590 oilseeds nec	8	---	0	0	---	---	---	---	8
Subtotal vegetable products	7	0	4	1	1	0	0	1	---
6653 vegetable oils	1	0	0	0	0	0	---	0	---
6654 vegetables & prod.	6	0	4	0	1	---	0	0	---
Subtotal processed grain and animal feed	35	0	3	0	3	0	---	0	28
6747 grain mill products	4	0	0	0	0	---	---	---	4
6781 hay & fodder	2	---	---	---	---	---	---	---	2
6782 animal feed, prep.	28	0	3	0	3	0	---	0	21
Subtotal other agricultural products	36	2	10	1	17	0	---	6	1
6811 meat, fresh, frozen	1	0	0	---	1	---	---	0	---
6817 meat, prepared	0	0	0	---	0	---	---	---	---
6822 dairy products	0	0	0	---	0	---	---	0	---
6835 fish, prepared	0	0	---	0	---	---	---	---	---

DETROIT RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
6838 tallow, animal oils	16	0	2	---	14	---	---	---	---
6839 animals & prod. nec	2	0	1	0	1	---	---	---	---
6857 fruit & nuts nec	2	---	2	0	0	---	---	0	0
6858 fruit juices	1	0	0	0	0	---	---	0	0
6861 sugar	0	0	---	---	0	---	---	---	---
6865 molasses	6	---	---	---	---	---	---	6	---
6871 coffee	0	0	---	0	---	---	---	---	0
6872 cocoa beans	0	0	---	---	---	---	---	---	---
6885 alcoholic beverages	2	1	0	0	0	0	---	0	0
6888 water & ice	0	0	---	0	---	---	---	---	---
6889 food products nec	4	0	3	0	1	---	---	0	0
6891 tobacco & products	0	0	---	---	0	---	---	---	---
6899 farm products nec	1	---	1	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	103	21	45	20	8	6	0	1	2
7110 machinery (not elec)	47	10	17	11	3	5	0	0	1
7120 electrical machinery	12	1	5	4	1	1	---	0	0
7210 vehicles & parts	16	4	10	1	0	1	---	0	0
7220 aircraft & parts	0	0	0	0	0	---	---	---	---
7230 ships & boats	0	---	---	0	0	---	---	---	0
7300 ordnance & access.	0	---	0	---	0	0	---	---	---
7400 manufac. wood prod.	3	3	0	0	0	---	---	0	0
7500 textile products	4	1	1	1	0	0	---	0	1
7600 rubber & plastic pr.	7	1	5	0	1	0	---	0	0
7900 manufac. prod. nec	13	2	6	1	2	0	---	0	1
Total unknown or not elsewhere classified	4	0	0	0	0	3	---	0	0
9900 unknown or nec	4	0	0	0	0	3	---	0	0
Ton-miles Foreign & Canadian (x1000)	847,259	32,140	4,039	72,137	85,573	68,579	9,903	244,629	330,259

Commodity	Total	Domestic						
		Lakewise				Internal		
		Receipts	Shipments	Through		Through	Upbound	Intra
				Upbound	Downbnd	Downbnd	Downbnd	Downbnd
Total, all commodities	45,097	11,696	406	4,708	28,076	4	106	101
Total coal	7,377	1,541	---	3,930	1,906	---	---	---
1100 coal lignite	7,300	1,491	---	3,930	1,880	---	---	---
1200 coal coke	76	51	---	---	26	---	---	---
Total petroleum and petroleum products	1,043	208	336	39	248	4	106	101
Subtotal petroleum products	1,043	208	336	39	248	4	106	101
2211 gasoline	24	---	---	24	---	---	---	---
2330 distillate fuel oil	71	41	25	4	---	---	---	---
2340 residual fuel oil	91	24	32	11	---	4	17	2
2430 asphalt, tar & pitch	820	118	276	---	242	---	85	99
2540 petroleum coke	37	25	2	---	5	---	4	---
Total crude materials, inedible except fuels	35,649	9,590	70	739	25,251	---	---	---
Subtotal soil, sand, gravel, rock and stone	9,061	2,849	---	288	5,924	---	---	---
4322 limestone	8,228	2,537	---	268	5,423	---	---	---
4323 gypsum	621	312	---	---	309	---	---	---
4331 sand & gravel	212	---	---	19	193	---	---	---

DETROIT RIVER, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic						
		Lakewise				Internal		
		Receipts	Shipments	Through		Through Downbnd	Upbound	Intra Downbnd
Upbound	Downbnd							
Subtotal iron ore and scrap	25,787	6,459	---	2	19,326	---	---	---
4410 iron ore	25,674	6,459	---	---	19,215	---	---	---
4420 iron & steel scrap	114	---	---	2	112	---	---	---
Subtotal slag	329	83	70	177	---	---	---	---
4860 slag	329	83	70	177	---	---	---	---
Subtotal other non-metal. min.	471	200	---	272	---	---	---	---
4900 non-metal. min. nec	471	200	---	272	---	---	---	---
Total primary manufactured goods	675	356	---	---	318	---	---	---
Subtotal lime, cement and glass	675	356	---	---	318	---	---	---
5220 cement & concrete	675	356	---	---	318	---	---	---
Total food and farm products	354	---	---	---	354	---	---	---
Subtotal grain	354	---	---	---	354	---	---	---
6241 wheat	323	---	---	---	323	---	---	---
6445 oats	30	---	---	---	30	---	---	---
Ton-miles (x1000) Domestic	1,242,643	216,935	7,058	145,934	870,347	120	376	1,872
Tons All Traffic (x1000)		75,023						
Ton-miles All Traffic (x1000)		2,089,902						

DETROIT HARBOR, MI (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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	5,073	1990	7,553	1993	8,083	1996	8,224
1988	5,677	1991	5,526	1994	7,501		
1989	9,900	1992	7,194	1995	5,284		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	4,101	830	144	2,881	247
Total coal	308	19	---	204	86
1100 coal lignite	229	---	---	204	26
1200 coal coke	79	19	---	---	60
Total petroleum and petroleum products	71	0	1	34	36
Subtotal petroleum products	71	0	1	34	36
2330 distillate fuel oil	11	---	---	11	0
2340 residual fuel oil	12	---	---	9	3
2350 lube oil & greases	1	---	0	1	---
2410 petro. jelly & waxes	0	0	0	---	---
2429 naphtha & solvents	0	---	0	---	---
2430 asphalt, tar & pitch	0	---	---	0	---
2540 petroleum coke	47	---	0	14	33
Total chemicals and related products	60	7	35	3	15
Subtotal fertilizers	15	0	---	0	15
3110 nitrogenous fert.	0	0	---	0	---
3190 fert. & mixes nec	15	0	---	---	15
Subtotal other chemicals and related products	45	7	35	3	0
3211 acyclic hydrocarbons	0	0	0	---	---
3212 benzene & toluene	0	0	---	---	---
3219 other hydrocarbons	1	0	0	---	---
3220 alcohols	1	0	1	0	---
3230 carboxylic acids	4	2	2	0	---
3240 nitrogen func. comp.	4	0	4	0	---
3250 organo-inorganic comp.	2	0	1	0	---
3260 organic comp. nec	1	0	1	---	---
3274 sodium hydroxide	0	0	---	---	---
3275 inorg. elem. oxides, & halogen salts	1	0	0	0	---
3276 metallic salts	1	1	0	0	---
3279 inorganic chem. nec	0	---	0	---	---
3282 pigments & paints	4	0	1	2	---
3283 coloring mat. nec	0	0	0	0	---
3284 medicines	1	0	1	---	---
3285 perfumes & cleansers	13	0	13	0	0
3286 plastics	7	1	5	0	0
3291 pesticides	0	0	0	---	---
3292 starches, gluten, glue	1	0	1	0	---

DETROIT HARBOR, MI (INCLUDED IN PORT OF DETROIT)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
3297 chemical additives	4	1	3	0	---
3298 wood & resin chem.	0	---	0	---	---
3299 chem. products nec	2	0	2	0	---
Total crude materials, inedible except fuels	2,016	42	12	1,868	94
Subtotal forest products, wood and chips	72	0	1	71	---
4110 rubber & gums	0	---	0	---	---
4170 wood in the rough	0	---	0	---	---
4189 lumber	71	0	0	71	---
4190 forest products nec	0	0	0	---	---
Subtotal soil, sand, gravel, rock and stone	87	0	2	26	59
4310 building stone	0	0	0	---	---
4323 gypsum	2	---	2	---	---
4331 sand & gravel	85	0	0	26	59
Subtotal iron ore and scrap	1,709	41	0	1,632	35
4410 iron ore	1,660	---	---	1,632	28
4420 iron & steel scrap	48	41	0	0	7
Subtotal non-ferrous ores and scrap	11	0	0	10	---
4650 aluminum ore	0	---	0	---	---
4680 non-ferrous scrap	0	0	0	---	---
4690 non-ferrous ores nec	10	0	0	10	---
Subtotal sulphur, clay and salt	8	0	8	0	---
4782 clay & refrac. mat.	8	0	8	0	---
Subtotal slag	5	---	---	5	---
4860 slag	5	---	---	5	---
Subtotal other non-metal. min.	126	---	1	125	---
4900 non-metal. min. nec	126	---	1	125	---
Total primary manufactured goods	1,549	744	26	763	16
Subtotal paper products	5	1	4	0	---
5120 paper & paperboard	3	1	3	0	---
5190 paper products nec	1	0	1	---	---
Subtotal lime, cement and glass	786	3	5	763	16
5220 cement & concrete	779	0	---	763	16
5240 glass & glass prod.	3	0	3	---	---
5290 misc. mineral prod.	5	3	2	---	---
Subtotal primary iron and steel products	749	738	12	0	0
5312 pig iron	0	0	0	---	---
5315 ferro alloys	11	11	---	---	---
5320 i&s primary forms	64	64	0	---	---
5330 i&s plates & sheets	624	615	9	---	0
5360 i&s bars & shapes	47	47	0	0	---
5370 i&s pipe & tube	2	0	2	0	---
5390 primary i&s nec	2	2	0	---	---
Subtotal primary non-ferrous metal products	8	2	5	1	---
5421 copper	0	0	0	---	---
5422 aluminum	2	1	1	---	---
5429 smelted prod. nec	0	0	0	0	---
5480 fab. metal products	5	1	3	0	---
Subtotal primary wood products	1	0	1	0	---
5540 primary wood prod.	1	0	1	0	---
Total food and farm products	29	2	26	1	0
Subtotal grain	8	0	8	---	---
6344 corn	7	---	7	---	---
6442 rice	0	0	---	---	---
6447 sorghum grains	0	---	0	---	---
Subtotal oilseeds	1	---	1	---	---
6522 soybeans	1	---	1	---	---
6590 oilseeds nec	0	---	0	---	---
Subtotal vegetable products	4	0	4	0	0
6653 vegetable oils	0	0	0	0	---
6654 vegetables & prod.	4	0	4	---	0
Subtotal processed grain and animal feed	3	0	3	0	---
6747 grain mill products	0	0	0	---	---
6782 animal feed, prep.	3	0	3	0	---
Subtotal other agricultural products	12	1	10	0	---
6811 meat, fresh, frozen	0	---	0	---	---
6817 meat, prepared	0	---	0	---	---
6822 dairy products	0	0	0	---	---
6835 fish, prepared	0	0	---	---	---
6838 tallow, animal oils	2	0	2	---	---
6839 animals & prod. nec	1	0	1	---	---
6857 fruit & nuts nec	2	---	2	---	---
6858 fruit juices	1	0	0	---	---
6861 sugar	0	0	---	---	---
6871 coffee	0	0	---	---	---
6872 cocoa beans	0	0	---	---	---
6885 alcoholic beverages	1	1	0	0	---
6888 water & ice	0	0	---	---	---
6889 food products nec	3	0	3	---	---
6891 tobacco & products	0	0	---	---	---
6899 farm products nec	1	---	1	---	---
Total all manufactured equipment, machinery and products	66	17	44	5	0
7110 machinery (not elec)	29	8	17	4	0
7120 electrical machinery	6	1	5	1	---
7210 vehicles & parts	12	2	9	0	---
7220 aircraft & parts	0	0	0	---	---
7300 ordnance & access.	0	---	0	0	---
7400 manufac. wood prod.	3	3	0	---	---
7500 textile products	2	1	1	0	---
7600 rubber & plastic pr.	6	1	5	0	---
7900 manufac. prod. nec	8	2	6	0	---

DETROIT HARBOR, MI (INCLUDED IN PORT OF DETROIT)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total unknown or not elsewhere classified	2	0	0	2	---
9900 unknown or nec	2	0	0	2	---
Commodity	Total	Domestic			
		Lakewise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	4,123	4,010	46	7	61
Total coal	901	901	---	---	---
1100 coal lignite	901	901	---	---	---
Total petroleum and petroleum products	103	35	---	7	61
Subtotal petroleum products	103	35	---	7	61
2340 residual fuel oil	28	22	---	7	---
2430 asphalt, tar & pitch	62	1	---	---	61
2540 petroleum coke	13	13	---	---	---
Total crude materials, inedible except fuels	2,763	2,717	46	---	---
Subtotal soil, sand, gravel, rock and stone	739	739	---	---	---
4322 limestone	739	739	---	---	---
Subtotal iron ore and scrap	1,886	1,886	---	---	---
4410 iron ore	1,886	1,886	---	---	---
Subtotal slag	108	62	46	---	---
4860 slag	108	62	46	---	---
Subtotal other non-metal. min.	31	31	---	---	---
4900 non-metal. min. nec	31	31	---	---	---
Total primary manufactured goods	356	356	---	---	---
Subtotal lime, cement and glass	356	356	---	---	---
5220 cement & concrete	356	356	---	---	---

ROUGE RIVER, MI (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 feet from mouth of Short Cut Canal to and including the turning basin in main channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,162	1990	7,960	1993	7,072	1996	9,307
1988	7,522	1991	6,522	1994	8,569		
1989	8,044	1992	7,192	1995	11,372		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	1,417	3	6	1,190	217
Total coal	89	---	---	86	3
1100 coal lignite	61	---	---	61	---
1200 coal coke	29	---	---	26	3
Total petroleum and petroleum products	177	---	---	28	149
Subtotal crude petroleum	6	---	---	6	---
2100 crude petroleum	6	---	---	6	---
Subtotal petroleum products	171	---	---	22	149
2330 distillate fuel oil	9	---	---	2	6
2340 residual fuel oil	43	---	---	16	26
2540 petroleum coke	120	---	---	4	116
Total chemicals and related products	3	---	---	3	---
Subtotal other chemicals and related products	3	---	---	3	---
3219 other hydrocarbons	3	---	---	3	---
3276 metallic salts	0	---	---	0	---
3282 pigments & paints	0	---	---	0	---
3285 perfumes & cleansers	0	---	---	0	---
3286 plastics	0	---	---	0	---
3297 chemical additives	0	---	---	0	---
Total crude materials, inedible except fuels	1,000	---	---	934	65
Subtotal forest products, wood and chips	29	---	---	29	---
4189 lumber	29	---	---	29	---
Subtotal soil, sand, gravel, rock and stone	7	---	---	7	---
4331 sand & gravel	7	---	---	7	---
Subtotal iron ore and scrap	572	---	---	526	46
4410 iron ore	502	---	---	456	46
4420 iron & steel scrap	70	---	---	70	---

ROUGE RIVER, MI (INCLUDED IN PORT OF DETROIT)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal slag	0	---	---	0	---
4860 slag	0	---	---	0	---
Subtotal other non-metal. min.	391	---	---	372	19
4900 non-metal. min. nec	391	---	---	372	19
Total primary manufactured goods	146	3	6	137	---
Subtotal paper products	0	0	---	---	---
5190 paper products nec	0	0	---	---	---
Subtotal lime, cement and glass	137	0	---	137	---
5220 cement & concrete	137	---	---	137	---
5240 glass & glass prod.	0	0	---	---	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary iron and steel products	8	3	6	---	---
5330 i&s plates & sheets	6	---	6	---	---
5360 i&s bars & shapes	3	3	---	---	---
5370 i&s pipe & tube	0	0	---	---	---
Subtotal primary non-ferrous metal products	0	0	0	0	---
5429 smelted prod. nec	0	---	---	0	---
5480 fab. metal products	0	0	0	0	---
Total food and farm products	0	0	0	0	---
Subtotal vegetable products	0	---	---	0	---
6653 vegetable oils	0	---	---	0	---
Subtotal processed grain and animal feed	0	---	---	0	---
6782 animal feed, prep.	0	---	---	0	---
Subtotal other agricultural products	0	0	0	0	---
6817 meat, prepared	0	0	---	---	---
6839 animals & prod. nec	0	---	0	---	---
6857 fruit & nuts nec	0	---	0	---	---
6885 alcoholic beverages	0	---	---	0	---
Total all manufactured equipment, machinery and products	1	0	0	1	---
7110 machinery (not elec)	0	0	---	0	---
7120 electrical machinery	0	0	---	0	---
7210 vehicles & parts	0	0	---	0	---
7500 textile products	0	0	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---
7900 manufac. prod. nec	0	0	---	0	---
Total unknown or not elsewhere classified	1	---	---	1	---
9900 unknown or nec	1	---	---	1	---

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	7,891	7,323	360	61	7	140
Total coal	540	540	---	---	---	---
1100 coal lignite	489	489	---	---	---	---
1200 coal coke	51	51	---	---	---	---
Total petroleum and petroleum products	717	173	336	61	7	140
Subtotal petroleum products	717	173	336	61	7	140
2330 distillate fuel oil	67	41	25	---	---	---
2340 residual fuel oil	54	3	32	---	7	13
2430 asphalt, tar & pitch	577	117	276	61	---	123
2540 petroleum coke	19	12	2	---	---	4
Total crude materials, inedible except fuels	6,634	6,610	24	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,105	2,105	---	---	---	---
4322 limestone	1,793	1,793	---	---	---	---
4323 gypsum	312	312	---	---	---	---
Subtotal iron ore and scrap	4,349	4,349	---	---	---	---
4410 iron ore	4,349	4,349	---	---	---	---
Subtotal slag	45	20	24	---	---	---
4860 slag	45	20	24	---	---	---
Subtotal other non-metal. min.	136	136	---	---	---	---
4900 non-metal. min. nec	136	136	---	---	---	---

ECORSE, MI (INCLUDED IN PORT OF DETROIT)

Section Included: U.S. shore of Detroit River from Great Lakes Avenue. to Ecorse River. Controlling Depth: 26.5 feet. Project Depth: 28.5 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	185	1990	268	1993	276	1996	797
1988	483	1991	421	1994	712		
1989	641	1992	350	1995	549		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Imports	Exports	Imports	Exports	Lakewise
						Receipts
Total, all commodities	797	666	16	68	14	33
Total coal	27	---	---	27	---	---
1100 coal lignite	27	---	---	27	---	---
Total petroleum and petroleum products	15	0	---	1	14	---
Subtotal petroleum products	15	0	---	1	14	---
2410 petro. jelly & waxes	0	0	---	---	---	---
2430 asphalt, tar & pitch	1	---	---	1	---	---
2540 petroleum coke	14	---	---	---	14	---
Total chemicals and related products	2	2	---	0	---	---
Subtotal other chemicals and related products	2	2	---	0	---	---
3219 other hydrocarbons	0	0	---	---	---	---
3230 carboxylic acids	0	0	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---	---
3276 metallic salts	0	0	---	---	---	---
3282 pigments & paints	0	0	---	---	---	---
3283 coloring mat. nec	0	0	---	---	---	---
3284 medicines	0	0	---	---	---	---
3285 perfumes & cleansers	0	0	---	0	---	---
3286 plastics	1	1	---	0	---	---
3292 starches, gluten, glue	0	0	---	---	---	---
3297 chemical additives	0	0	---	---	---	---
3299 chem. products nec	0	0	---	---	---	---
Total crude materials, inedible except fuels	198	122	10	34	---	33
Subtotal forest products, wood and chips	0	0	---	---	---	---
4190 forest products nec	0	0	---	---	---	---
Subtotal iron ore and scrap	136	121	10	5	---	---
4420 iron & steel scrap	136	121	10	5	---	---
Subtotal non-ferrous ores and scrap	29	---	---	29	---	---
4690 non-ferrous ores nec	29	---	---	29	---	---
Subtotal sulphur, clay and salt	0	0	---	---	---	---
4782 clay & refrac. mat.	0	0	---	---	---	---
Subtotal other non-metal. min.	33	---	---	---	---	33
4900 non-metal. min. nec	33	---	---	---	---	33
Total primary manufactured goods	552	539	7	6	0	---
Subtotal lime, cement and glass	1	1	---	---	---	---
5240 glass & glass prod.	0	0	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---
Subtotal primary iron and steel products	551	537	7	6	0	---
5320 i&s primary forms	230	230	---	---	---	---
5330 i&s plates & sheets	298	285	7	6	0	---
5360 i&s bars & shapes	22	22	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---
5390 primary i&s nec	0	0	---	---	---	---
Subtotal primary non-ferrous metal products	1	1	---	0	---	---
5421 copper	0	0	---	---	---	---
5429 smelted prod. nec	0	0	---	---	---	---
5480 fab. metal products	1	1	---	0	---	---
Subtotal primary wood products	0	0	---	---	---	---
5540 primary wood prod.	0	0	---	---	---	---
Total food and farm products	0	0	---	---	---	---
Subtotal vegetable products	0	0	---	---	---	---
6654 vegetables & prod.	0	0	---	---	---	---
Subtotal processed grain and animal feed	0	0	---	---	---	---
6747 grain mill products	0	0	---	---	---	---
Subtotal other agricultural products	0	0	---	---	---	---
6811 meat, fresh, frozen	0	0	---	---	---	---
6817 meat, prepared	0	0	---	---	---	---
6858 fruit juices	0	0	---	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	4	4	---	0	---	---
7110 machinery (not elec)	2	2	---	0	---	---
7120 electrical machinery	0	0	---	0	---	---
7210 vehicles & parts	1	1	---	0	---	---
7400 manufac. wood prod.	0	0	---	---	---	---
7500 textile products	0	0	---	0	---	---
7600 rubber & plastic pr.	0	0	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	0	---	---
9900 unknown or nec	0	0	---	0	---	---

PORT OF DETROIT, MI

Section Included: Detroit Harbor, Rouge River, Ecorse, Wyandotte, Riverview and Trenton. Controlling and Project Depths: See aforementioned project descriptions.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	14,130	1990	17,735	1993	17,422	1996	18,604
1988	15,331	1991	14,321	1994	18,718		
1989	20,701	1992	16,303	1995	18,661		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports	Exports	Imports	Exports	Total	Lakewise		
							Receipts	Shipments	
Total, all commodities	18,604	1,499	169	4,147	477	12,310	11,696	406	208
Total coal	1,966	19	---	317	89	1,541	1,541	---	---
1100 coal lignite	1,807	---	---	291	26	1,491	1,491	---	---
1200 coal coke	158	19	---	26	63	51	51	---	---
Total petroleum and petroleum products	1,023	0	1	72	198	752	208	336	208
Subtotal crude petroleum	6	---	---	6	---	---	---	---	---
2100 crude petroleum	6	---	---	6	---	---	---	---	---
Subtotal petroleum products	1,017	0	1	66	198	752	208	336	208
2330 distillate fuel oil	94	---	---	21	6	67	41	25	---
2340 residual fuel oil	131	---	---	26	29	76	24	32	19
2350 lube oil & greases	1	---	0	1	---	---	---	---	---
2410 petro. jelly & waxes	0	0	0	---	---	---	---	---	---
2429 naphtha & solvents	0	---	0	---	---	---	---	---	---
2430 asphalt, tar & pitch	579	---	---	1	---	578	118	276	184
2540 petroleum coke	212	---	0	17	163	32	25	2	4
Total chemicals and related products	66	8	36	6	15	---	---	---	---
Subtotal fertilizers	15	0	---	0	15	---	---	---	---
3110 nitrogenous fert.	0	0	---	0	---	---	---	---	---
3190 fert. & mixes nec	15	0	---	---	15	---	---	---	---
Subtotal other chemicals and related products	51	8	36	6	0	---	---	---	---
3211 acyclic hydrocarbons	0	0	0	---	---	---	---	---	---
3212 benzene & toluene	0	0	---	---	---	---	---	---	---
3219 other hydrocarbons	4	1	0	3	---	---	---	---	---
3220 alcohols	1	0	1	0	---	---	---	---	---
3230 carboxylic acids	4	2	2	0	---	---	---	---	---
3240 nitrogen func. comp.	4	0	4	0	---	---	---	---	---
3250 organo-inorganic comp.	2	0	1	0	---	---	---	---	---
3260 organic comp. nec	1	0	1	---	---	---	---	---	---
3274 sodium hydroxide	0	0	---	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	1	1	0	0	---	---	---	---	---
3276 metallic salts	1	1	0	0	---	---	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---	---	---	---
3282 pigments & paints	4	0	1	3	---	---	---	---	---
3283 coloring mat. nec	0	0	0	0	---	---	---	---	---
3284 medicines	1	1	1	---	---	---	---	---	---
3285 perfumes & cleansers	13	0	13	0	0	---	---	---	---

PORT OF DETROIT, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports	Exports	Imports	Exports	Total	Lakewise		
							Receipts	Shipments	
3286 plastics	7	1	5	0	0	---	---	---	---
3291 pesticides	0	0	0	---	---	---	---	---	---
3292 starches,	1	0	1	0	---	---	---	---	---
gluten, glue									
3297 chemical	4	1	3	0	---	---	---	---	---
additives									
3298 wood & resin	0	---	0	---	---	---	---	---	---
chem.									
3299 chem.	3	0	2	0	---	---	---	---	---
products nec									
Total crude materials, inedible except fuels	12,841	163	22	2,836	159	9,660	9,590	70	---
Subtotal forest products, wood and chips	101	0	1	100	---	---	---	---	---
4110 rubber & gums	0	---	0	---	---	---	---	---	---
4170 wood in the rough	0	---	0	---	---	---	---	---	---
4189 lumber	101	0	0	100	---	---	---	---	---
4190 forest products nec	0	0	0	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,943	0	2	32	59	2,849	2,849	---	---
4310 building stone	0	0	0	---	---	---	---	---	---
4322 limestone	2,537	---	---	---	---	2,537	2,537	---	---
4323 gypsum	314	---	2	---	---	312	312	---	---
4331 sand & gravel	92	0	0	32	59	---	---	---	---
Subtotal iron ore and scrap	8,876	163	10	2,163	81	6,459	6,459	---	---
4410 iron ore	8,622	---	---	2,088	74	6,459	6,459	---	---
4420 iron & steel scrap	254	163	10	75	7	---	---	---	---
Subtotal non-ferrous ores and scrap	40	0	0	39	---	---	---	---	---
4650 aluminum ore	0	---	0	---	---	---	---	---	---
4680 non-ferrous scrap	0	0	0	---	---	---	---	---	---
4690 non-ferrous ores nec	39	0	0	39	---	---	---	---	---
Subtotal sulphur, clay and salt	8	0	8	0	---	---	---	---	---
4782 clay & refrac. mat.	8	0	8	0	---	---	---	---	---
Subtotal slag	157	---	---	5	---	153	83	70	---
4860 slag	157	---	---	5	---	153	83	70	---
Subtotal other non-metal, min. min. nec	716	---	1	497	19	200	200	---	---
4900 non-metal, min. nec	716	---	1	497	19	200	200	---	---
Total primary manufactured goods	2,604	1,286	39	907	16	356	356	---	---
Subtotal paper products	5	1	4	0	---	---	---	---	---
5120 paper & paperboard	3	1	3	0	---	---	---	---	---
5190 paper products nec	1	0	1	---	---	---	---	---	---
Subtotal lime, cement and glass	1,281	4	5	900	16	356	356	---	---
5220 cement & concrete	1,272	0	---	900	16	356	356	---	---
5240 glass & glass prod.	3	1	3	---	---	---	---	---	---
5290 misc. mineral prod.	5	3	2	---	---	---	---	---	---
Subtotal primary iron and steel products	1,309	1,278	24	6	0	---	---	---	---
5312 pig iron	0	0	0	---	---	---	---	---	---
5315 ferro alloys	11	11	---	---	---	---	---	---	---
5320 i&s primary forms	294	294	0	---	---	---	---	---	---
5330 i&s plates & sheets	928	900	21	6	0	---	---	---	---
5360 i&s bars & shapes	71	71	0	0	---	---	---	---	---
5370 i&s pipe & tube	2	0	2	0	---	---	---	---	---
5390 primary i&s nec	2	2	0	---	---	---	---	---	---

PORT OF DETROIT, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Lakewise		Internal Intraport
							Receipts	Shipments	
Subtotal primary non-ferrous metal products	9	3	5	1	---	---	---	---	
5421 copper	0	0	0	---	---	---	---	---	
5422 aluminum	2	1	1	---	---	---	---	---	
5429 smelted prod. nec	0	0	0	0	---	---	---	---	
5480 fab. metal products	6	2	3	1	---	---	---	---	
Subtotal primary wood products	1	0	1	0	---	---	---	---	
5540 primary wood prod.	1	0	1	0	---	---	---	---	
Total food and farm products	30	2	27	1	0	---	---	---	
Subtotal grain	8	0	8	---	---	---	---	---	
6344 corn	7	---	7	---	---	---	---	---	
6442 rice	0	0	---	---	---	---	---	---	
6447 sorghum grains	0	---	0	---	---	---	---	---	
Subtotal oilseeds	1	---	1	---	---	---	---	---	
6522 soybeans	1	---	1	---	---	---	---	---	
6590 oilseeds nec	0	---	0	---	---	---	---	---	
Subtotal vegetable products	5	0	4	0	0	---	---	---	
6653 vegetable oils	0	0	0	0	---	---	---	---	
6654 vegetables & prod.	4	0	4	---	0	---	---	---	
Subtotal processed grain and animal feed	4	0	3	0	---	---	---	---	
6747 grain mill products	0	0	0	---	---	---	---	---	
6782 animal feed, prep.	3	0	3	0	---	---	---	---	
Subtotal other agricultural products	12	2	10	0	---	---	---	---	
6811 meat, fresh, frozen	0	0	0	---	---	---	---	---	
6817 meat, prepared	0	0	0	---	---	---	---	---	
6822 dairy products	0	0	---	---	---	---	---	---	
6835 fish, prepared	0	0	---	---	---	---	---	---	
6838 tallow, animal oils	2	0	2	---	---	---	---	---	
6839 animals & prod. nec	1	0	1	---	---	---	---	---	
6857 fruit & nuts nec	2	---	2	---	---	---	---	---	
6858 fruit juices	1	0	0	---	---	---	---	---	
6861 sugar	0	0	---	---	---	---	---	---	
6871 coffee	0	0	---	---	---	---	---	---	
6872 cocoa beans	0	0	---	---	---	---	---	---	
6885 alcoholic beverages	1	1	0	0	---	---	---	---	
6888 water & ice	0	0	---	---	---	---	---	---	
6889 food products nec	3	0	3	---	---	---	---	---	
6891 tobacco & products	0	0	---	---	---	---	---	---	
6899 farm products nec	1	---	1	---	---	---	---	---	
Total all manufactured equipment, machinery and products	72	21	45	6	0	---	---	---	
7110 machinery (not elec)	31	10	17	5	0	---	---	---	
7120 electrical machinery	7	1	5	1	---	---	---	---	
7210 vehicles & parts	14	4	10	1	---	---	---	---	
7220 aircraft & parts	0	0	0	---	---	---	---	---	
7300 ordnance & access.	0	---	0	0	---	---	---	---	
7400 manufac. wood prod.	3	3	0	---	---	---	---	---	
7500 textile products	2	1	1	0	---	---	---	---	
7600 rubber & plastic pr.	6	1	5	0	---	---	---	---	

PORT OF DETROIT, MI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Lakewise		Internal Intraport
							Receipts	Shipments	
7900 manufac. prod. nec	8	2	6	0	---	---	---	---	
Total unknown or not elsewhere classified	3	0	0	3	---	---	---	---	
9900 unknown or nec	3	0	0	3	---	---	---	---	

MONROE HARBOR, MI

Section Included: Channel in Lake Erie and 16,000 feet above Raisin River. Controlling depth: 20 feet to turning basin over a center width of 150 feet; 16.5 feet in turning basin except near the shore; 5.5 feet in 9 foot channel. Project Depth: 21 feet to the turning basin; 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,178	1990	1,585	1993	1,078	1996	1,794
1988	1,123	1991	1,837	1994	2,035		
1989	1,490	1992	1,778	1995	1,920		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic
		Imports	Exports	Lakewise Receipts
Total, all commodities	1,794	6	25	1,764
Total coal	1,750	---	---	1,750
1100 coal lignite	1,750	---	---	1,750
Total petroleum and petroleum products	44	6	25	14
Subtotal petroleum products	44	6	25	14
2430 asphalt, tar & pitch	14	---	---	14
2540 petroleum coke	30	6	25	---

CALCITE, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	8,159	1990	10,058	1993	6,419	1996	8,669
1988	10,205	1991	8,814	1994	7,456		
1989	9,238	1992	7,049	1995	8,381		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	8,669	8	1,770	6,891	36	6,856
Total coal	14	---	---	14	14	---
1200 coal coke	14	---	---	14	14	---
Total chemicals and related products	7	7	---	---	---	---
Subtotal fertilizers	7	7	---	---	---	---
3130 potassic fert.	7	7	---	---	---	---
Total crude materials, inedible except fuels	8,649	1	1,770	6,877	22	6,856
Subtotal soil, sand, gravel, rock and stone	8,648	---	1,770	6,877	22	6,856
4322 limestone	8,645	---	1,770	6,875	20	6,856
4331 sand & gravel	2	---	---	2	2	---
Subtotal slag	1	1	---	---	---	---
4860 slag	1	1	---	---	---	---

ESCANABA, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	6,113	1990	6,400	1993	7,142	1996	9,253
1988	7,873	1991	6,492	1994	7,775		
1989	6,767	1992	7,401	1995	8,479		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Exports	Imports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	9,253	71	71	9,183	848	8,334
Total coal	273	---	---	273	273	---
1100 coal lignite	273	---	---	273	273	---
Total crude materials, inedible except fuels	8,981	71	71	8,910	576	8,334
Subtotal soil, sand, gravel, rock and stone	576	---	---	576	576	---
4322 limestone	576	---	---	576	576	---
Subtotal iron ore and scrap	8,405	71	71	8,334	---	8,334
4410 iron ore	8,405	71	71	8,334	---	8,334

STONEPORT, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	8,186	1990	8,694	1993	8,752	1996	7,990
1988	8,337	1991	9,317	1994	8,416		
1989	8,888	1992	8,650	1995	8,468		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	7,990	38	801	7,151	172	6,979
Total crude materials, inedible except fuels	7,990	38	801	7,151	172	6,979
Subtotal soil, sand, gravel, rock and stone	7,952	---	801	7,151	172	6,979
4322 limestone	7,952	---	801	7,151	172	6,979
Subtotal other non-metal. min.	38	38	---	---	---	---
4900 non-metal. min. nec	38	38	---	---	---	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALGOMA HARBOR, WI	No Commerce Reported	
ALGONAC, MI (INCLUDED IN ST. CLAIR RIVER)	No Commerce Reported	
ASHLAND HARBOR, WI	1100 coal lignite 4322 limestone	75 8
	Total Tons(x1000)	83
AU SABLE HARBOR AND RIVER (OSCODA), MI	No Commerce Reported	
BAYFIELD HARBOR, WI	2211 gasoline 2330 distillate fuel oil 2640 liquid natural gas 4331 sand & gravel 7900 manufac. prod. nec	0 0 0 9 17
	Total Tons(x1000)	27
BEAVER BAY HARBOR, MN	No Commerce Reported	
BIG BAY HARBOR, MI	No Commerce Reported	
BLACK RIVER HARBOR, MI	No Commerce Reported	
CASEVILLE, MI	No Commerce Reported	
CEDAR RIVER HARBOR, MI	No Commerce Reported	
CHIPPEWA HARBOR (ISLE ROYALE), MI	No Commerce Reported	
CORNUCOPIA HARBOR, WI	No Commerce Reported	
DETOUR, MI AND VICINITY (INCLUDED IN ST. MARYS RIVER)	No Commerce Reported	
DETROIT HARBOR, WI	9900 unknown or nec	10
	Total Tons(x1000)	10
EAGLE HARBOR, MI	No Commerce Reported	
FRANKFORT HARBOR, MI	2430 asphalt, tar & pitch 2540 petroleum coke 4331 sand & gravel	42 11 0
	Total Tons(x1000)	53
GLADSTONE HARBOR, MI	1100 coal lignite 2430 asphalt, tar & pitch 4322 limestone 4900 non-metal. min. nec	18 12 17 7
	Total Tons(x1000)	54
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MI	No Commerce Reported	
GRAND MARAIS HARBOR, MN	No Commerce Reported	

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
GRAND TRAVERSE BAY HARBOR, MI	No Commerce Reported	
HARBOR BEACH, MI (HARBOR OF REFUGE, LAKE HURON)	1100 coal lignite	62
	Total Tons(x1000)	62
HARRISVILLE HARBOR, MI (HARBOR OF REFUGE, LAKE HURON)	No Commerce Reported	
KENOSHA HARBOR, WI	No Commerce Reported	
KEWAUNEE HARBOR, WI	No Commerce Reported	
KEWEENAW WATERWAY, MI	2330 distillate fuel oil	1
	4189 lumber	0
	5290 misc. mineral prod.	0
	7110 machinery (not elec)	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	0
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	14
KNIFE RIVER HARBOR, MN	No Commerce Reported	
LA POINTE HARBOR, WI	2211 gasoline	0
	2330 distillate fuel oil	0
	2640 liquid natural gas	0
	7900 manufac. prod. nec	17
	Total Tons(x1000)	18
LAC LA BELLE HARBOR, MI	No Commerce Reported	
LELAND HARBOR, MI	No Commerce Reported	
LIME ISLAND, MI (INCLUDED IN ST. MARYS RIVER)	No Commerce Reported	
LUTSEN HARBOR, MN	No Commerce Reported	
MACKINAC HARBOR, MI	7900 manufac. prod. nec	5
	Total Tons(x1000)	5
MACKINAW CITY HARBOR, MI	7900 manufac. prod. nec	1
	Total Tons(x1000)	1
MANISTIQUE HARBOR, MI	2211 gasoline	0
	2330 distillate fuel oil	1
	Total Tons(x1000)	1
MENOMINEE HARBOR AND RIVER, MI AND WI	1100 coal lignite	69
	4225 pulp & waste paper	13
	4322 limestone	15
	4900 non-metal. min. nec	13
	5312 pig iron	80
	Total Tons(x1000)	191

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
NEW BUFFALO HARBOR MI	No Commerce Reported	
OCONTO HARBOR, WI	No Commerce Reported	
PENSAUKEE HARBOR, WI	No Commerce Reported	
PENTWATER HARBOR, MI	4335 waterway improv. mat	6
	Total Tons(x1000)	6
PORT SANILAC HARBOR, MI	No Commerce Reported	
PORT WING HARBOR, WI	No Commerce Reported	
PUT-IN-BAY HARBOR, OH	2211 gasoline	1
	2221 kerosene	1
	2330 distillate fuel oil	1
	9900 unknown or nec	1
	Total Tons(x1000)	4
RACINE HARBOR, WI	4335 waterway improv. mat	1
	Total Tons(x1000)	1
ROGERS CITY, MI	No Commerce Reported	
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MI	No Commerce Reported	
SAULT STE. MARIE, MI (INCLUDED IN ST. MARYS RIVER)	3110 nitrogenous fert.	0
	3250 organo-inorganic comp.	0
	3284 medicines	4
	3299 chem. products nec	0
	4189 lumber	0
	4420 iron & steel scrap	1
	4900 non-metal. min. nec	12
	5120 paper & paperboard	0
	6344 corn	1
	6522 soybeans	4
	6653 vegetable oils	0
	6839 animals & prod. nec	0
	6857 fruit & nuts nec	0
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	22
SEBEWAING, MI	No Commerce Reported	
SHEBOYGAN HARBOR, WI	3110 nitrogenous fert.	14
	Total Tons(x1000)	14
SOUTH HAVEN HARBOR, MI	No Commerce Reported	
ST. JAMES (BEAVER ISLAND), MI	2211 gasoline	0
	2330 distillate fuel oil	1
	4331 sand & gravel	2
	9900 unknown or nec	5
	Total Tons(x1000)	8

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WI	4331 sand & gravel	20
	Total Tons(x1000)	20
TRENTON, MI (INCLUDED IN PORT OF DETROIT)	2330 distillate fuel oil	8
	4410 iron ore	225
	Total Tons(x1000)	233
TWO RIVERS HARBOR, WI	No Commerce Reported	
WARROAD HARBOR, MN	No Commerce Reported	
WHITE LAKE HARBOR, MI	No Commerce Reported	
WHITEFISH POINT HARBOR, MI	No Commerce Reported	
WYANDOTTE, MI (INCLUDED IN PORT OF DETROIT)	1100 coal lignite	101
	2410 petro. jelly & waxes	0
	3220 alcohols	0
	3240 nitrogen func. comp.	0
	3276 metallic salts	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3291 pesticides	0
	3292 starches, gluten, glue	0
	3297 chemical additives	0
	3299 chem. products nec	0
	4110 rubber & gums	0
	4322 limestone	6
	4782 clay & refrac. mat.	0
	5190 paper products nec	0
	5240 glass & glass prod.	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5422 aluminum	0
	5480 fab. metal products	0
	6654 vegetables & prod.	0
	6747 grain mill products	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7500 textile products	0
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	0	
Total Tons(x1000)	110	
Non-project		
ALABASTER, MI	4322 limestone	29
	4323 gypsum	467
	Total Tons(x1000)	497
MARBLEHEAD, OH	2211 gasoline	0
	2330 distillate fuel oil	0
	2640 liquid natural gas	0
	3275 inorg. elem. oxides, & halogen salts	0
	4161 wood chips	0
	4189 lumber	0
	4190 forest products nec	0
	4322 limestone	2,789
	4331 sand & gravel	3
	4338 soil & fill dirt	0
	4410 iron ore	22
	5290 misc. mineral prod.	0
	5480 fab. metal products	0

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
MARBLEHEAD, OH - continued	6887 groceries	0
	6888 water & ice	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	2,817
PORT DOLOMITE, MI	1100 coal lignite	15
	4322 limestone	3,241
	4331 sand & gravel	36
	4410 iron ore	25
	7900 manufac. prod. nec	0
Total Tons(x1000)	3,318	
PORT GYPSUM, MI	4323 gypsum	464
	Total Tons(x1000)	464
PORT INLAND, MI	1100 coal lignite	15
	4322 limestone	5,014
	4331 sand & gravel	2
	4900 non-metal. min. nec	31
	Total Tons(x1000)	5,063
SILVER BAY, MN	1100 coal lignite	276
	4322 limestone	337
	4410 iron ore	4,628
	Total Tons(x1000)	5,240

TOLEDO HARBOR, OH

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; 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 turning basin at mile 6.5. Navigation season: Approximately March 1 to December 31.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	16,212	1990	14,668	1993	12,150	1996	13,032
1988	14,742	1991	12,073	1994	13,204		
1989	14,806	1992	12,722	1995	14,074		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Lakewise	
							Receipts	Shipments
Total, all commodities	13,032	420	507	1,040	4,028	7,037	4,338	2,699
Total coal	4,797	---	---	23	2,291	2,483	14	2,469
1100 coal lignite	4,731	---	---	---	2,262	2,469	---	2,469
1200 coal coke	65	---	---	23	29	14	14	---
Total petroleum and petroleum products	584	---	---	23	158	403	173	230
Subtotal petroleum products	584	---	---	23	158	403	173	230
2211 gasoline	33	---	---	---	9	24	---	24
2330 distillate fuel oil	34	---	---	---	---	34	---	34
2340 residual fuel oil	238	---	---	6	49	183	10	173
2350 lube oil & greases	6	---	---	---	6	---	---	---
2429 naphtha & solvents	17	---	---	17	---	---	---	---
2430 asphalt, tar & pitch	175	---	---	---	16	158	158	---
2540 petroleum coke	82	---	---	---	77	5	5	---
Total chemicals and related products	163	56	0	107	---	---	---	---
Subtotal fertilizers	153	46	---	107	---	---	---	---
3110 nitrogenous fert.	46	46	---	---	---	---	---	---
3130 potassic fert.	107	---	---	107	---	---	---	---
Subtotal other chemicals and related products	11	10	0	---	---	---	---	---
3220 alcohols	0	0	---	---	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	0	0	---	---	---	---	---	---
3276 metallic salts	10	10	0	---	---	---	---	---
3284 medicines	0	0	---	---	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---	---
3286 plastics	0	0	0	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	4,964	10	4	702	215	4,033	4,033	---
Subtotal pulp and waste paper	4	---	4	---	---	---	---	---
4225 pulp & waste paper	4	---	4	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	255	---	---	94	162	---	---	---
4322 limestone	162	---	---	---	162	---	---	---
4331 sand & gravel	94	---	---	94	---	---	---	---
Subtotal iron ore and scrap	4,281	---	---	477	---	3,804	3,804	---
4410 iron ore	4,281	---	---	477	---	3,804	3,804	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
Subtotal sulphur, clay and salt	10	10	---	---	---	---	---	---
4782 clay & refrac. mat.	10	10	---	---	---	---	---	---
Subtotal other non-metal. min.	414	---	---	131	53	229	229	---
4900 non-metal. min. nec	414	---	---	131	53	229	229	---
Total primary manufactured goods	512	350	0	43	---	118	118	---
Subtotal paper products	0	0	0	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
5190 paper products nec	0	0	---	0	---	---	---	---
Subtotal lime, cement and glass	147	29	---	---	---	118	118	---
5220 cement & concrete	147	29	---	---	---	118	118	---
5240 glass & glass prod.	0	0	---	---	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---	---	---
Subtotal primary iron and steel products	275	260	---	15	---	---	---	---
5312 pig iron	43	27	---	15	---	---	---	---
5320 i&s primary forms	27	27	---	---	---	---	---	---
5330 i&s plates & sheets	132	132	---	---	---	---	---	---
5360 i&s bars & shapes	74	74	---	---	---	---	---	---

TOLEDO HARBOR, OH
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Lakewise	
							Receipts	Shipments
5390 primary i&s nec	0	0	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	89	62	---	27	---	---	---	---
5422 aluminum	27	---	---	27	---	---	---	---
5429 smelted prod. nec	62	62	---	---	---	---	---	---
5480 fab. metal products	0	0	---	---	---	---	---	---
Total food and farm products	2,009	0	502	143	1,364	---	---	---
Subtotal grain	1,421	---	231	143	1,047	---	---	---
6241 wheat	330	---	20	20	289	---	---	---
6344 corn	968	---	210	---	758	---	---	---
6443 barley & rye	4	---	---	4	---	---	---	---
6445 oats	118	---	---	118	---	---	---	---
Subtotal oilseeds	587	---	271	---	316	---	---	---
6522 soybeans	587	---	271	---	316	---	---	---
Subtotal vegetable products	0	0	0	---	---	---	---	---
6653 vegetable oils	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	0	---	---	---	---	---	---
Subtotal processed grain and animal feed	0	0	0	---	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---	---
6782 animal feed, prep.	0	0	---	---	---	---	---	---
Subtotal other agricultural products	1	0	1	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---
6835 fish, prepared	0	---	0	---	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---
6858 fruit juices	0	0	0	---	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---	---
6889 food products nec	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	3	3	0	---	---	---	---	---
7110 machinery (not elec)	2	2	0	---	---	---	---	---
7120 electrical machinery	0	0	---	---	---	---	---	---
7210 vehicles & parts	1	1	---	---	---	---	---	---
7500 textile products	0	0	---	---	---	---	---	---
7600 rubber & plastic pr.	0	0	---	---	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---

KELLEYS ISLAND, OH

Section Included: Entire area of Kelleys Island, Ohio. Controlling Depth: Unimproved, natural depths unknown. Project depth: Approach channel, 12 feet; Entrance channel, 10 feet; and remainder of channel, 8 to 10 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	6	1990	6	1993	564	1996	371
1988	18	1991	503	1994	521		
1989	6	1992	564	1995	123		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total, all commodities	371	3	368
Total petroleum and petroleum products	1	1	---
Subtotal petroleum products	1	1	---
2211 gasoline	0	0	---
2330 distillate fuel oil	0	0	---
2640 liquid natural gas	0	0	---
Total chemicals and related products	0	0	---
Subtotal other chemicals and related products	0	0	---
3275 inorg. elem., oxides, & halogen salts	0	0	---
Total crude materials, inedible except fuels	369	1	368
Subtotal forest products, wood and chips	0	0	---
4161 wood chips	0	0	---
4189 lumber	0	0	---
4190 forest products nec	0	0	---
Subtotal soil, sand, gravel, rock and stone	368	0	368
4322 limestone	368	---	368
4331 sand & gravel	0	0	---
4338 soil & fill dirt	0	0	---

KELLEYS ISLAND, OH
Freight Traffic, 1996 - , continued
(thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total primary manufactured goods	0	0	---
Subtotal lime, cement and glass	0	0	---
5290 misc. mineral prod.	0	0	---
Subtotal primary non-ferrous metal products	0	0	---
5480 fab. metal products	0	0	---
Total food and farm products	1	1	---
Subtotal other agricultural products	1	1	---
6887 groceries	0	0	---
6888 water & ice	0	0	---
6889 food products nec	0	0	---
Total all manufactured equipment, machinery and products	1	1	0
7110 machinery (not elec)	0	0	0
7210 vehicles & parts	0	0	---
7400 manufac. wood prod.	0	0	---
7900 manufac. prod. nec	0	0	0
Total waste and scrap nec	0	0	0
8900 waste and scrap nec	0	0	0
Total unknown or not elsewhere classified	0	0	0
9900 unknown or nec	0	0	0

SANDUSKY HARBOR, OH

Section Included: Southeasterly portion of Sandusky Bay to and including passenger docks on Cedar Point. Controlling Depth: Mosely Channel, 26 feet; Bay Channel and Straight Channel from Mosely Channel to junction with Bay Channel, 25.0 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	3,319	1990	4,600	1993	5,176	1996	3,408
1988	4,831	1991	4,018	1994	5,422		
1989	4,485	1992	5,179	1995	3,536		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	3,408	18	2,596	795	160	635
Total coal	3,169	---	2,535	635	---	635
1100 coal lignite	3,169	---	2,535	635	---	635
Total petroleum and petroleum products	0	---	---	0	0	0
Subtotal petroleum products	0	---	---	0	0	0
2211 gasoline	0	---	---	0	---	0
2330 distillate fuel oil	0	---	---	0	---	0
2350 lube oil & greases	0	---	---	0	---	0
2640 liquid natural gas	0	---	---	0	0	0
Total chemicals and related products	0	---	---	0	---	0
Subtotal fertilizers	0	---	---	0	---	0
3190 fert. & mixes nec	0	---	---	0	---	0
Subtotal other chemicals and related products	0	---	---	0	---	0
3291 pesticides	0	---	---	0	---	0
Total crude materials, inedible except fuels	238	18	61	160	160	0
Subtotal forest products, wood and chips	0	---	---	0	---	0
4189 lumber	0	---	---	0	---	0
Subtotal soil, sand, gravel, rock and stone	147	---	34	113	113	---
4322 limestone	48	---	34	14	14	---
4323 gypsum	77	---	---	77	77	---
4331 sand & gravel	22	---	---	22	22	---
Subtotal other non-metal. min.	91	18	27	47	47	---
4900 non-metal. min. nec	91	18	27	47	47	---
Total primary manufactured goods	0	---	---	0	0	0
Subtotal lime, cement and glass	0	---	---	0	---	0
5290 misc. mineral prod.	0	---	---	0	---	0
Subtotal primary non-ferrous metal products	0	---	---	0	0	0
5480 fab. metal products	0	---	---	0	0	0
Total food and farm products	0	---	---	0	0	---
Subtotal other agricultural products	0	---	---	0	0	---
6857 fruit & nuts nec	0	---	---	0	0	---
Total all manufactured equipment, machinery and products	0	0	---	0	---	0
7110 machinery (not elec)	0	---	---	0	---	0
7400 manufac. wood prod.	0	---	---	0	---	0

SANDUSKY HARBOR, OH
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
7500 textile products	0	0	---	---	---	---
7900 manufac. prod. nec	0	---	---	0	---	0
Total waste and scrap nec	0	---	---	0	0	---
8900 waste and scrap nec	0	---	---	0	0	---

HURON HARBOR, OH

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, 27.5 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, 28 feet; turning basin, 22 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	529	1990	565	1993	529	1996	1,004
1988	523	1991	524	1994	871		
1989	590	1992	618	1995	1,087		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	1,004	10	3	990		
Total crude materials, inedible except fuels	960	---	---	960		
Subtotal soil, sand, gravel, rock and stone	611	---	---	611		
4322 limestone	611	---	---	611		
Subtotal iron ore and scrap	296	---	---	296		
4410 iron ore	296	---	---	296		
Subtotal other non-metal. min.	53	---	---	53		
4900 non-metal. min. nec	53	---	---	53		
Total food and farm products	44	10	3	30		
Subtotal grain	44	10	3	30		
6344 corn	3	---	3	---		
6445 oats	41	10	---	30		
Total all manufactured equipment, machinery and products	0	0	---	---		
7500 textile products	0	0	---	---		

LORAIN HARBOR, OH

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, 27.0 feet; A channel 800 feet wide through the Outer Harbor, 27 feet; remainder of Outer Harbor, 25 feet; lower 2,200 feet of River Channel, 25 feet; remainder of River Channel 24 feet except turning basin just downstream of the 21st Street Bridge which is 12 to 19 feet and the returning Basin opposite the U. S. Steel Corp., National Tube Division which is 12 to 20 feet. Project Depths: Lake Approach Channel, 29 feet; a channel 800 feet wide through the Outer Harbor, 28 feet; remainder of Outer Harbor, 25 feet; lower 2,200 feet of River Channel, 28 feet; remainder of River Channel, 27 feet; except turning basin downstream of 21st Street Bridge, 20 feet and turning basin opposite U. S. Steel Corp., National Tube Division Dock, 21 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	14,372	1990	13,967	1993	13,677	1996	15,978
1988	17,476	1991	13,632	1994	14,748		
1989	14,568	1992	13,282	1995	14,964		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	15,978	122	---	15,856	9,337	6,519
Total petroleum and petroleum products	1	1	---	---	---	---
Subtotal petroleum products	1	1	---	---	---	---
2330 distillate fuel oil	1	1	---	---	---	---
Total chemicals and related products	19	19	---	---	---	---
Subtotal fertilizers	19	19	---	---	---	---
3130 potassic fert.	19	19	---	---	---	---

LORAIN HARBOR, OH
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Imports	Total	Lakewise	
			Receipts	Shipments	
Total crude materials, inedible except fuels	15,950	94	15,856	9,337	6,519
Subtotal soil, sand, gravel, rock and stone	486	---	486	464	22
4322 limestone	287	---	287	287	---
4323 gypsum	177	---	177	177	---
4331 sand & gravel	22	---	22	---	22
Subtotal iron ore and scrap	15,398	94	15,304	8,873	6,431
4410 iron ore	15,386	84	15,302	8,873	6,429
4420 iron & steel scrap	12	10	2	---	2
Subtotal slag	66	---	66	---	66
4860 slag	66	---	66	---	66
Total food and farm products	7	7	---	---	---
Subtotal grain	7	7	---	---	---
6445 oats	7	7	---	---	---

CLEVELAND HARBOR, OH

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 Depth: Lake Approach Channel, 29 feet; entrance channel, West Basin and westerly 800 feet of East Basin, 28 feet; easterly 3800-foot length of East Basin, 27 feet; 500-foot channel through East Outer Harbor, 25 feet; channel between piers to Conrail Railroad Bridge, 27.0 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 Depth: Lake Approach Channel, 29 feet; West Basin, entrance channel and west end of East Basin, 28 feet; remaining 3800-foot length of East Basin, 27 feet; 500-foot channel through East Outer Harbor 25 feet; lower Cuyahoga River from lakeward ends of the piers 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 and Company, Inc., Grasselli Chemical Division Dock, 18 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	13,914	1990	14,368	1993	14,083	1996	16,721
1988	14,551	1991	13,406	1994	15,284		
1989	14,688	1992	13,654	1995	15,393		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	3,978	967	10	2,401	600
Total coal	0	---	0	---	---
1100 coal lignite	0	---	0	---	---
Total petroleum and petroleum products	56	1	8	40	7
Subtotal petroleum products	56	1	8	40	7
2330 distillate fuel oil	8	---	---	8	---
2340 residual fuel oil	26	---	---	26	---
2430 asphalt, tar & pitch	15	1	8	7	---
2540 petroleum coke	7	---	---	---	7
Total chemicals and related products	22	11	1	10	---
Subtotal fertilizers	11	11	---	---	---
3110 nitrogenous fert.	11	11	---	---	---
Subtotal other chemicals and related products	11	0	1	10	---
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	0	0	---	---	---
3230 carboxylic acids	0	0	0	---	---
3240 nitrogen func. comp.	0	0	---	---	---
3250 organo-inorganic comp.	0	0	---	---	---
3276 metallic salts	10	0	0	10	---
3282 pigments & paints	0	0	---	---	---
3284 medicines	0	0	---	---	---
3285 perfumes & cleansers	0	---	0	---	---
3286 plastics	1	0	1	0	---
Total crude materials, inedible except fuels	2,369	0	0	1,776	593
Subtotal pulp and waste paper	0	---	0	---	---
4225 pulp & waste paper	0	---	0	---	---
Subtotal soil, sand, gravel, rock and stone	937	---	---	751	186
4322 limestone	151	---	---	---	151
4331 sand & gravel	785	---	---	751	35
Subtotal iron ore and scrap	560	0	---	559	---
4410 iron ore	559	---	---	559	---
4420 iron & steel scrap	0	0	---	---	---
Subtotal non-ferrous ores and scrap	0	0	---	---	---
4690 non-ferrous ores nec	0	0	---	---	---
Subtotal sulphur, clay and salt	345	0	---	345	---
4782 clay & refrac. mat.	345	0	---	345	---
Subtotal slag	0	---	---	0	---
4860 slag	0	---	---	0	---
Subtotal other non-metal. min.	527	---	---	121	406
4900 non-metal. min. nec	527	---	---	121	406

CLEVELAND HARBOR, OH
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total primary manufactured goods	1,525	951	0	574	---
Subtotal paper products	0	0	---	---	---
5120 paper & paperboard	0	0	---	---	---
Subtotal lime, cement and glass	574	0	0	574	---
5220 cement & concrete	574	---	---	574	---
5240 glass & glass prod.	0	0	---	---	---
5290 misc. mineral prod.	0	0	0	0	---
Subtotal primary iron and steel products	936	936	0	---	---
5320 i&s primary forms	244	244	---	---	---
5330 i&s plates & sheets	610	610	---	---	---
5360 i&s bars & shapes	75	75	---	---	---
5370 i&s pipe & tube	5	5	---	---	---
5390 primary i&s nec	2	2	0	---	---
Subtotal primary non-ferrous metal products	15	14	0	0	---
5429 smelted prod. nec	7	7	---	---	---
5480 fab. metal products	7	7	0	0	---
Total food and farm products	0	0	0	---	---
Subtotal oilseeds	0	---	0	---	---
6590 oilseeds nec	0	---	0	---	---
Subtotal processed grain and animal feed	0	---	0	---	---
6747 grain mill products	0	---	0	---	---
Subtotal other agricultural products	0	0	0	---	---
6839 animals & prod. nec	0	---	0	---	---
6871 coffee	0	0	---	---	---
6885 alcoholic beverages	0	0	---	---	---
6888 water & ice	0	0	---	---	---
6889 food products nec	0	0	---	---	---
Total all manufactured equipment, machinery and products	5	4	1	0	---
7110 machinery (not elec)	3	3	0	0	---
7120 electrical machinery	1	0	1	0	---
7210 vehicles & parts	0	0	---	---	---
7220 aircraft & parts	0	0	---	---	---
7230 ships & boats	0	0	---	0	---
7500 textile products	0	0	0	0	---
7600 rubber & plastic pr.	1	0	0	---	---
7900 manufac. prod. nec	0	0	0	0	---
Total unknown or not elsewhere classified	0	0	---	0	---
9900 unknown or nec	0	0	---	0	---

Commodity	Total	Domestic			
		Lakewise		Internal	
		Receipts	Shipments	Receipts	Intraport
Total, all commodities	12,743	11,827	728	4	184
Total coal	115	86	30	---	---
1100 coal lignite	84	74	10	---	---
1200 coal coke	32	12	20	---	---
Total petroleum and petroleum products	444	436	5	4	---
Subtotal petroleum products	444	436	5	4	---
2340 residual fuel oil	184	178	3	4	---
2430 asphalt, tar & pitch	260	258	2	---	---
Total crude materials, inedible except fuels	11,995	11,117	693	---	184
Subtotal soil, sand, gravel, rock and stone	3,141	3,141	---	---	---
4322 limestone	3,023	3,023	---	---	---
4331 sand & gravel	118	118	---	---	---
Subtotal iron ore and scrap	8,089	7,976	---	---	113
4410 iron ore	8,089	7,976	---	---	113
Subtotal slag	100	---	100	---	---
4860 slag	100	---	100	---	---
Subtotal other non-metal. min.	664	---	593	---	71
4900 non-metal. min. nec	664	---	593	---	71
Total primary manufactured goods	189	189	---	---	---
Subtotal lime, cement and glass	189	189	---	---	---
5220 cement & concrete	189	189	---	---	---

FAIRPORT HARBOR, OH

Section Included: Outer harbor and Grand River from mouth to and including Diamond Alkali Company Stone Dock, 1.5 miles. Controlling Depths: Entrance Channel, 24 feet; Outer Harbor, 24.0 feet; Grand River to upstream of Republic Steel, 19.0 feet; remaining length of Grand River to the upper project limit, 19 feet; except for 1,000 feet of the upstream end of the west side of the channel, 5 feet; turning basin, 15 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,077	1990	2,320	1993	2,403	1996	2,770
1988	2,212	1991	2,052	1994	2,955		
1989	2,634	1992	2,613	1995	2,941		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	2,770	106	201	2,464	1,980	483
Total crude materials, inedible except fuels	2,770	106	201	2,464	1,980	483
Subtotal soil, sand, gravel, rock and stone	1,981	---	---	1,981	1,980	1
4322 limestone	1,875	---	---	1,875	1,875	---
4331 sand & gravel	106	---	---	106	105	1
Subtotal iron ore and scrap	57	57	---	---	---	---
4410 iron ore	57	57	---	---	---	---
Subtotal sulphur, clay and salt	48	48	---	---	---	---
4782 clay & refrac. mat.	48	48	---	---	---	---
Subtotal other non-metal. min.	684	---	201	483	---	483
4900 non-metal. min. nec	684	---	201	483	---	483

ASHTABULA HARBOR, OH

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, 26.0 feet turning basin in front of inner breakwater 21.5 feet; the approach to the Penn. Central Railroad Company's slip and the lower 2,000 feet of the Ashtabula River, 23 feet; thence to car ferry slip, 10 feet; thence to a point 1,550 feet upstream from turning basin and including turning basin, 3 feet. Project Depth: Entrance channel, 29 feet; westerly portion of outer harbor to inner breakwater, 28 feet; Approach Channel to docks east of inner breakwater, 28 feet; turning basin in the easterly portion of the outer harbor, 22 feet; channel from inside the inner Breakwater to mouth of river and 2,000 feet upstream and approach channel to Penn. Central Railroad Company's 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	8,888	1990	11,852	1993	8,979	1996	9,523
1988	10,335	1991	10,638	1994	10,368		
1989	10,322	1992	10,519	1995	10,010		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign Imports	Canadian		Domestic		
			Imports	Exports	Total	Lakewise	
						Receipts	Shipments
Total, all commodities	9,523	204	389	3,214	5,717	3,669	2,047
Total coal	5,231	---	21	3,175	2,035	---	2,035
1100 coal lignite	5,152	---	---	3,117	2,035	---	2,035
1200 coal coke	79	---	21	58	---	---	---
Total chemicals and related products	19	---	19	---	---	---	---
Subtotal fertilizers	19	---	19	---	---	---	---
3130 potassic fert.	19	---	19	---	---	---	---
Total crude materials, inedible except fuels	4,234	199	349	5	3,682	3,669	13
Subtotal soil, sand, gravel, rock and stone	664	---	16	5	643	641	2
4322 limestone	641	---	---	---	641	641	---
4327 phosphate rock	5	---	---	5	---	---	---
4331 sand & gravel	18	---	16	---	2	---	2
Subtotal iron ore and scrap	3,299	---	295	---	3,004	3,004	---
4410 iron ore	3,299	---	295	---	3,004	3,004	---
Subtotal non-ferrous ores and scrap	222	192	30	---	---	---	---
4680 non-ferrous scrap	173	173	---	---	---	---	---
4690 non-ferrous ores nec	48	19	30	---	---	---	---
Subtotal sulphur, clay and salt	7	7	---	---	---	---	---
4782 clay & refrac. mat.	7	7	---	---	---	---	---
Subtotal slag	43	---	8	---	35	24	10
4860 slag	43	---	8	---	35	24	10
Total primary manufactured goods	5	5	---	0	---	---	---
Subtotal lime, cement and glass	0	---	---	0	---	---	---
5240 glass & glass prod.	0	---	---	0	---	---	---

ASHTABULA HARBOR, OH
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Lakewise	
							Receipts	Shipments
Subtotal primary iron and steel products	5	5	---	---	0	---	---	---
5360 i&s bars & shapes	5	5	---	---	---	---	---	---
5370 i&s pipe & tube	0	---	---	---	0	---	---	---
Total food and farm products	34	---	---	---	34	---	---	---
Subtotal grain	34	---	---	---	34	---	---	---
6344 corn	34	---	---	---	34	---	---	---
Total all manufactured equipment, machinery and products	0	0	---	---	---	---	---	---
7110 machinery (not elec)	0	0	---	---	---	---	---	---
7120 electrical machinery	0	0	---	---	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---

CONNEAUT HARBOR, OH

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, 20.5 feet; access channel to city dock, 7.5 feet; easterly portion of outer harbor 23 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,047	1990	9,567	1993	3,534	1996	5,714
1988	10,220	1991	6,336	1994	5,655		
1989	8,890	1992	6,540	1995	5,612		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Imports	Exports	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	5,714	86	2,175	3,454	2,762	692
Total coal	2,923	---	2,134	789	97	692
1100 coal lignite	2,753	---	1,984	769	77	692
1200 coal coke	170	---	150	20	20	---
Total crude materials, inedible except fuels	2,791	86	40	2,665	2,665	---
Subtotal soil, sand, gravel, rock and stone	784	---	0	784	784	---
4322 limestone	729	---	---	729	729	---
4323 gypsum	56	---	0	55	55	---
Subtotal iron ore and scrap	1,880	57	---	1,823	1,823	---
4410 iron ore	1,769	57	---	1,712	1,712	---
4420 iron & steel scrap	112	---	---	112	112	---
Subtotal non-ferrous ores and scrap	29	29	---	---	---	---
4690 non-ferrous ores nec	29	29	---	---	---	---
Subtotal other non-metal. min.	98	---	40	58	58	---
4900 non-metal. min. nec	98	---	40	58	58	---

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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	971	1990	811	1993	1,160	1996	1,434
1988	1,002	1991	1,008	1994	979		
1989	734	1992	1,247	1995	1,057		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic
		Imports	Imports	Lakewise Receipts
Total, all commodities	1,434	3	263	1,168
Total crude materials, inedible except fuels	1,427	---	259	1,168
Subtotal soil, sand, gravel, rock and stone	1,238	---	127	1,110
4322 limestone	854	---	---	854
4331 sand & gravel	384	---	127	256
Subtotal sulphur, clay and salt	73	---	73	---
4782 clay & refrac. mat.	73	---	73	---
Subtotal other non-metal. min.	116	---	59	57
4900 non-metal. min. nec	116	---	59	57
Total primary manufactured goods	6	2	4	---
Subtotal primary iron and steel products	6	2	4	---
5312 pig iron	4	---	4	---
5315 ferro alloys	2	2	---	---
Total all manufactured equipment, machinery and products	0	0	---	---
7110 machinery (not elec)	0	0	---	---
7500 textile products	0	0	---	---

DUNKIRK HARBOR, NY

Section Included: City water frontage protected by west pier and breakwater west of Elk Street. Controlling depth: Entrance channel in lake, 17 feet; inner channel and basin, 16 feet. Project Depth: Entrance channel in lake, 17 feet; inner channel and basin, 16 feet. Navigation season: Opened 29 March; closed 18 December.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	0	1990	0	1993	20	1996	398
1988	0	1991	0	1994	361		
1989	0	1992	0	1995	374		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Lakewise
		Receipts
Total, all commodities	398	398
Total coal	398	398
1100 coal lignite	398	398

BUFFALO HARBOR, NY (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 Canal to the Black Rock Lock. Controlling Depths: Outer area of south entrance channel, 30 feet; south entrance channel 29.0 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,103	1990	2,002	1993	1,539	1996	1,590
1988	1,335	1991	1,471	1994	1,399		
1989	1,564	1992	1,803	1995	1,507		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Lakewise	
							Receipts	Shipments
Total, all commodities	1,590	1	29	689	268	604	593	11
Total coal	230	---	---	---	230	---	---	---
1100 coal lignite	230	---	---	---	230	---	---	---
Total petroleum and petroleum products	340	---	0	312	17	11	---	11
Subtotal petroleum products	340	---	0	312	17	11	---	11
2211 gasoline	254	---	---	254	---	---	---	---
2330 distillate fuel oil	29	---	---	29	---	---	---	---
2340 residual fuel oil	11	---	---	11	---	---	---	---
2350 lube oil & greases	2	---	0	2	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---
2429 naphtha & solvents	0	---	0	---	---	---	---	---
2430 asphalt, tar & pitch	20	---	---	---	9	11	---	11
2540 petroleum coke	23	---	---	15	8	---	---	---
Total chemicals and related products	10	0	9	0	1	---	---	---
Subtotal fertilizers	0	---	0	---	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---	---
Subtotal other chemicals and related products	10	0	9	0	1	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---	---
3230 carboxylic acids	0	---	0	0	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	0	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	0	---	0	---	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	0	---	0	---	0	---	---	---
3276 metallic salts	1	---	0	---	1	---	---	---
3282 pigments & paints	0	0	0	---	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---	---
3284 medicines	0	---	0	---	---	---	---	---
3285 perfumes & cleansers	1	---	1	---	---	---	---	---
3286 plastics	3	0	3	---	0	---	---	---
3292 starches, gluten, glue	3	---	3	---	---	---	---	---
3297 chemical additives	0	0	0	---	---	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	421	0	4	139	18	260	260	---
Subtotal forest products, wood and chips	1	0	1	---	---	---	---	---
4189 lumber	0	0	---	---	---	---	---	---
4190 forest products nec	1	---	1	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	132	---	1	---	---	131	131	---
4310 building stone	0	---	0	---	---	---	---	---
4322 limestone	56	---	---	---	---	56	56	---
4331 sand & gravel	76	---	0	---	---	75	75	---
Subtotal non-ferrous ores and scrap	19	---	1	---	18	---	---	---
4650 aluminum ore	18	---	1	---	17	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
4690 non-ferrous ores nec	1	---	0	---	1	---	---	---
Subtotal other non-metal. min.	270	---	2	139	---	129	129	---
4900 non-metal. min. nec	270	---	2	139	---	129	129	---
Total primary manufactured goods	136	0	5	121	1	9	9	---
Subtotal paper products	0	---	0	0	0	---	---	---
5110 newsprint	0	---	---	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	0	---	---	---
5190 paper products nec	0	---	0	---	---	---	---	---

BUFFALO HARBOR, NY (INCLUDED IN PORT OF BUFFALO)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Lakewise	
							Receipts	Shipments
Subtotal lime, cement and glass	132	0	2	121	---	9	9	---
5220 cement & concrete	130	---	---	121	---	9	9	---
5240 glass & glass prod.	2	0	2	---	---	---	---	---
5290 misc. mineral prod.	0	0	0	0	---	---	---	---
Subtotal primary iron and steel products	1	0	0	---	1	---	---	---
5315 ferro alloys	0	---	---	---	0	---	---	---
5320 i&s primary forms	0	---	0	---	---	---	---	---
5330 i&s plates & sheets	1	0	0	---	1	---	---	---
5370 i&s pipe & tube	0	0	0	---	0	---	---	---
5390 primary i&s nec	0	---	0	---	0	---	---	---
Subtotal primary non-ferrous metal products	2	0	2	0	---	---	---	---
5422 aluminum	0	0	0	---	---	---	---	---
5480 fab. metal products	2	0	2	0	---	---	---	---
Subtotal primary wood products	0	---	0	---	---	---	---	---
5540 primary wood prod.	0	---	0	---	---	---	---	---
Total food and farm products	443	0	2	117	0	323	323	---
Subtotal fish	0	---	---	---	0	---	---	---
6134 fish (not shellfish)	0	---	---	---	0	---	---	---
6136 shellfish	0	---	---	---	0	---	---	---
Subtotal grain	440	---	0	117	---	323	323	---
6241 wheat	440	---	---	117	---	323	323	---
6344 corn	0	---	0	---	---	---	---	---
Subtotal vegetable products	0	---	0	---	0	---	---	---
6653 vegetable oils	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	0	---	---	---
Subtotal processed grain and animal feed	0	---	---	0	0	---	---	---
6747 grain mill products	0	---	---	0	---	---	---	---
Subtotal other agricultural products	2	0	2	0	0	---	---	---
6858 fruit juices	0	0	---	---	---	---	---	---
6871 coffee	0	---	---	---	0	---	---	---
6885 alcoholic beverages	0	---	---	0	---	---	---	---
6888 water & ice	0	---	0	---	---	---	---	---
6889 food products nec	2	---	2	0	0	---	---	---
Total all manufactured equipment, machinery and products	9	1	8	0	0	---	---	---
7110 machinery (not elec)	3	0	3	---	---	---	---	---
7120 electrical machinery	2	0	2	---	---	---	---	---
7210 vehicles & parts	0	---	0	0	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	---	---	0	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---	---
7500 textile products	0	---	0	0	0	---	---	---
7600 rubber & plastic pr.	2	0	2	---	---	---	---	---
7900 manufac. prod. nec	1	0	1	0	0	---	---	---
Total unknown or not elsewhere classified	0	0	0	0	---	---	---	---
9900 unknown or nec	0	0	0	0	---	---	---	---

NIAGARA RIVER, NY (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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	342	1990	560	1993	570	1996	274
1988	196	1991	284	1994	286		
1989	581	1992	670	1995	365		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Through		Total	Lakewise	
		Upbound	Downbnd		Receipts	Shipments
Total, all commodities	274	10	144	120	108	12
Total petroleum and petroleum products	262	10	133	120	108	12
Subtotal petroleum products	262	10	133	120	108	12
2211 gasoline	108	---	108	---	---	---
2330 distillate fuel oil	27	---	18	9	9	---
2340 residual fuel oil	17	5	---	12	---	12
2430 asphalt, tar & pitch	99	---	---	99	99	---

NIAGARA RIVER, NY (INCLUDED IN PORT OF BUFFALO)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Through		Total	Lakewise	
		Upbound	Downbnd		Receipts	Shipments
2540 petroleum coke	12	5	6	---	---	---
Total chemicals and related products	0	---	0	---	---	---
Subtotal other chemicals and related products	0	---	0	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---
3286 plastics	0	---	0	---	---	---
Total primary manufactured goods	12	---	12	---	---	---
Subtotal primary iron and steel products	12	---	12	---	---	---
5330 i&s plates & sheets	12	---	12	---	---	---
Total all manufactured equipment, machinery and products	0	---	0	---	---	---
7230 ships & boats	0	---	0	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---
Ton-miles (x1000)	2,806	69	1,878	859	763	96

Tons All Traffic (x1000) **274**
Ton-miles All Traffic (x1000) **2,806**

PORT OF BUFFALO, NY

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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,423	1990	2,563	1993	2,109	1996	1,864
1988	1,335	1991	1,895	1994	1,685		
1989	2,145	1992	2,473	1995	1,873		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Lakewise	
							Receipts	Shipments
Total, all commodities	1,864	1	29	833	278	724	701	23
Total coal	230	---	---	---	230	---	---	---
1100 coal lignite	230	---	---	---	230	---	---	---
Total petroleum and petroleum products	602	---	0	445	27	131	108	23
Subtotal petroleum products	602	---	0	445	27	131	108	23
2211 gasoline	363	---	---	363	---	---	---	---
2330 distillate fuel oil	56	---	---	47	---	9	9	---
2340 residual fuel oil	27	---	---	11	5	12	---	12
2350 lube oil & greases	2	---	0	2	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---
2429 naphtha & solvents	0	---	0	---	---	---	---	---
2430 asphalt, tar & pitch	119	---	---	---	9	110	99	11
2540 petroleum coke	35	---	---	22	13	---	---	---
Total chemicals and related products	10	0	9	0	1	---	---	---
Subtotal fertilizers	0	---	0	---	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---	---
Subtotal other chemicals and related products	10	0	9	0	1	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---	---
3230 carboxylic acids	0	---	0	0	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	0	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	0	---	0	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	0	---	---	---
3276 metallic salts	1	---	0	---	1	---	---	---
3282 pigments & paints	0	0	0	---	---	---	---	---
3283 coloring mat. nec	0	---	0	0	---	---	---	---
3284 medicines	0	---	0	---	---	---	---	---
3285 perfumes & cleansers	1	---	1	---	---	---	---	---
3286 plastics	3	0	3	0	0	---	---	---
3292 starches, gluten, glue	3	---	3	---	---	---	---	---
3297 chemical additives	0	0	0	---	---	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---

PORT OF BUFFALO, NY
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Lakewise	
							Receipts	Shipments
Total crude materials, inedible except fuels	421	0	4	139	18	260	260	---
Subtotal forest products, wood and chips	1	0	1	---	---	---	---	---
4189 lumber	0	0	---	---	---	---	---	---
4190 forest products nec	1	---	1	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	132	---	1	---	---	131	131	---
4310 building stone	0	---	0	---	---	---	---	---
4322 limestone	56	---	---	---	---	56	56	---
4331 sand & gravel	76	---	0	---	---	75	75	---
Subtotal non-ferrous ores and scrap	19	---	1	---	18	---	---	---
4650 aluminum ore	18	---	1	---	17	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
4690 non-ferrous ores nec	1	---	0	---	1	---	---	---
Subtotal other non-metal. min.	270	---	2	139	---	129	129	---
4900 non-metal. min. nec	270	---	2	139	---	129	129	---
Total primary manufactured goods	148	0	5	133	1	9	9	---
Subtotal paper products	0	---	0	0	0	---	---	---
5110 newsprint	0	---	---	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	0	---	---	---
5190 paper products nec	0	---	0	---	---	---	---	---
Subtotal lime, cement and glass	132	0	2	121	---	9	9	---
5220 cement & concrete	130	---	---	121	---	9	9	---
5240 glass & glass prod.	2	0	2	---	---	---	---	---
5290 misc. mineral prod.	0	0	0	0	---	---	---	---
Subtotal primary iron and steel products	13	0	0	12	1	---	---	---
5315 ferro alloys	0	---	---	---	0	---	---	---
5320 i&s primary forms	0	---	0	---	---	---	---	---
5330 i&s plates & sheets	12	0	0	12	1	---	---	---
5370 i&s pipe & tube	0	0	0	---	0	---	---	---
5390 primary i&s nec	0	---	0	---	0	---	---	---
Subtotal primary non-ferrous metal products	2	0	2	0	---	---	---	---
5422 aluminum	0	0	0	---	---	---	---	---
5480 fab. metal products	2	0	2	0	---	---	---	---
Subtotal primary wood products	0	---	0	---	---	---	---	---
5540 primary wood prod.	0	---	0	---	---	---	---	---
Total food and farm products	443	0	2	117	0	323	323	---
Subtotal fish	0	---	---	---	0	---	---	---
6134 fish (not shellfish)	0	---	---	---	0	---	---	---
6136 shellfish	0	---	---	---	0	---	---	---
Subtotal grain	440	---	0	117	---	323	323	---
6241 wheat	440	---	---	117	---	323	323	---
6344 corn	0	---	0	---	---	---	---	---
Subtotal vegetable products	0	---	0	---	0	---	---	---
6653 vegetable oils	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	0	---	---	---
Subtotal processed grain and animal feed	0	---	---	0	---	---	---	---
6747 grain mill products	0	---	---	0	---	---	---	---
Subtotal other agricultural products	2	0	2	0	0	---	---	---
6858 fruit juices	0	0	---	---	---	---	---	---
6871 coffee	0	---	---	---	0	---	---	---
6885 alcoholic beverages	0	---	---	0	---	---	---	---
6888 water & ice	0	---	0	---	---	---	---	---
6889 food products nec	2	---	2	0	0	---	---	---
Total all manufactured equipment, machinery and products	9	1	8	0	0	---	---	---
7110 machinery (not elec)	3	0	3	---	---	---	---	---
7120 electrical machinery	2	0	2	---	---	---	---	---
7210 vehicles & parts	0	---	0	0	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	---	---	0	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---	---
7500 textile products	0	---	0	0	0	---	---	---
7600 rubber & plastic pr.	2	0	2	0	---	---	---	---
7900 manufac. prod. nec	1	0	1	0	0	---	---	---
Total unknown or not elsewhere classified	0	0	0	0	---	---	---	---
9900 unknown or nec	0	0	0	0	---	---	---	---

OSWEGO HARBOR, NY

Section Included: Outer Harbor and Oswego River from mouth to Seneca Street. Controlling Depths: Lake approach channel, 27 feet; channel through outer harbor, 24 feet; east and west side of outer harbor, 21 feet; 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 (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	448	1990	951	1993	506	1996	511
1988	531	1991	818	1994	474		
1989	746	1992	582	1995	435		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic
		Imports	Exports	Lakewise Receipts
Total, all commodities	511	500	9	2
Total petroleum and petroleum products	110	102	9	---
Subtotal petroleum products	110	102	9	---
2340 residual fuel oil	59	59	---	---
2540 petroleum coke	52	43	9	---
Total chemicals and related products	106	106	---	---
Subtotal fertilizers	32	32	---	---
3110 nitrogenous fert.	4	4	---	---
3130 potassic fert.	28	28	---	---
Subtotal other chemicals and related products	75	75	---	---
3276 metallic salts	75	75	---	---
Total crude materials, inedible except fuels	59	59	---	---
Subtotal other non-metal. min.	59	59	---	---
4900 non-metal. min. nec	59	59	---	---
Total primary manufactured goods	234	232	---	2
Subtotal lime, cement and glass	234	232	---	2
5220 cement & concrete	234	232	---	2
Total food and farm products	0	0	---	---
Subtotal other agricultural products	0	0	---	---
6857 fruit & nuts nec	0	0	---	---
6885 alcoholic beverages	0	0	---	---
Total all manufactured equipment, machinery and products	0	0	---	---
7110 machinery (not elec)	0	0	---	---
7210 vehicles & parts	0	0	---	---
7230 ships & boats	0	0	---	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
BARCELONA HARBOR, NY	No Commerce Reported	
CAPE VINCENT, NY	No Commerce Reported	
GREAT SODUS BAY HARBOR, NY	No Commerce Reported	
NIAGARA FALLS, NY	No Commerce Reported	
OGDENSBURG HARBOR, NY	3275 inorg. elem., oxides, & halogen salts	0
	3286 plastics	2
	3297 chemical additives	0
	4331 sand & gravel	17
	4690 non-ferrous ores nec	22
	4900 non-metal. min. nec	112
	5330 i&s plates & sheets	0
	5480 fab. metal products	0
	6344 corn	0
	6782 animal feed, prep.	11
	7110 machinery (not elec)	0
	7230 ships & boats	1
	7600 rubber & plastic pr.	0
	Total Tons(x1000)	166
PORT CLINTON HARBOR, OH	No Commerce Reported	
ROCHESTER (CHARLOTTE) HARBOR, NY	2540 petroleum coke	3
	4335 waterway improv. mat	49
	4900 non-metal. min. nec	21
	5220 cement & concrete	93
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	167
SACKETS HARBOR, NY	6747 grain mill products	0
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	0
TONAWANDA HARBOR, NY (INCLUDED IN PORT OF BUFFALO)	2211 gasoline	108
	2330 distillate fuel oil	18
	2340 residual fuel oil	5
	2540 petroleum coke	12
	3283 coloring mat. nec	0
	3286 plastics	0
	5330 i&s plates & sheets	12
	7230 ships & boats	0
	7600 rubber & plastic pr.	0
	Total Tons(x1000)	154
	Total Ton-miles(x1000)	749
VERMILION HARBOR, OH	No Commerce Reported	
WADDINGTON HARBOR, NY	No Commerce Reported	

ILLINOIS RIVER, IL (INCLUDED IN THE ILLINOIS WATERWAY CONSOLIDATED)

Section Included: Mouth of Illinois River, Grafton, IL, to Lockport, IL, 291.9 miles. Controlling Depth: 9 feet. Project Depths: 9 feet at low water stages.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	38,431	1990	39,659	1993	42,600	1996	39,679
1988	37,816	1991	39,800	1994	45,265		
1989	36,617	1992	39,741	1995	41,734		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	39,679	5,596	749	1,835	19,785	7,789	3,661	33	230
Total coal	4,225	1,227	11	294	372	1,869	275	---	176
1100 coal lignite	2,695	1,201	1	59	23	1,267	3	---	141
1200 coal coke	1,529	26	9	235	349	602	272	---	36
Total petroleum and petroleum products	4,072	1,041	174	267	635	724	1,205	3	22
Subtotal crude petroleum	35	---	---	---	---	16	20	---	---
2100 crude petroleum	35	---	---	---	---	16	20	---	---
Subtotal petroleum products	4,036	1,041	174	267	635	709	1,185	3	22
2211 gasoline	464	374	34	5	14	22	---	---	15
2221 kerosene	2	---	2	---	---	---	---	---	---
2330 distillate fuel oil	407	109	37	16	10	115	112	---	6
2340 residual fuel oil	756	176	37	65	110	135	233	---	---
2350 lube oil & greases	284	81	---	---	4	143	57	---	---
2429 naphtha & solvents	150	87	---	---	---	48	15	---	---
2430 asphalt, tar & pitch	842	207	8	162	56	130	275	3	---
2540 petroleum coke	1,131	8	56	18	441	114	494	---	---
2640 liquid natural gas	1	---	---	---	---	1	---	---	---
Total chemicals and related products	4,210	2,189	45	241	287	1,208	207	15	17
Subtotal fertilizers	1,049	859	2	19	26	114	6	12	11
3110 nitrogenous fert.	535	416	---	19	---	94	5	---	---
3120 phosphatic fert.	46	26	2	---	---	18	---	---	---
3130 potassic fert.	116	67	---	---	26	---	---	12	11
3190 fert. & mixes nec	353	350	---	---	---	2	1	---	---
Subtotal other chemicals and related products	3,161	1,330	43	222	261	1,094	201	3	6
3211 acyclic hydrocarbons	12	4	---	---	---	---	7	---	---
3212 benzene & toluene	99	4	1	---	1	1	92	---	---
3219 other hydrocarbons	942	808	23	1	---	84	23	1	---
3220 alcohols	993	94	13	220	239	385	40	---	1
3230 carboxylic acids	9	6	---	---	---	3	---	---	---
3240 nitrogen func. comp.	1	---	---	---	---	1	---	---	---
3260 organic comp. nec	52	20	---	---	---	32	---	---	---
3272 sulphuric acid	1	---	---	---	---	1	---	---	---
3273 ammonia	300	284	---	---	10	---	---	1	5
3274 sodium hydroxide	480	---	---	---	3	477	---	---	---
3275 inorg. elem., oxides, & halogen salts	109	29	---	---	---	80	---	---	---
3276 metallic salts	56	9	6	---	---	12	30	---	---
3279 inorganic chem. nec	64	47	---	---	---	11	---	---	---
3286 plastics	11	11	---	---	---	---	---	---	---
3297 chemical additives	13	---	---	---	---	4	9	---	---

ILLINOIS RIVER, IL (INCLUDED IN THE ILLINOIS WATERWAY CONSOLIDATED)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3299 chem. products nec	20	14	---	---	3	3	---	---	---
Total crude materials, inedible except fuels	4,831	829	482	993	73	1,690	747	9	7
Subtotal forest products, wood and chips	220	121	---	---	6	92	---	---	---
4161 wood chips	213	114	---	---	6	92	---	---	---
4189 lumber	1	1	---	---	---	---	---	---	---
4190 forest products nec	5	5	---	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,051	174	303	986	67	363	141	9	7
4322 limestone	40	6	---	---	---	31	---	---	3
4323 gypsum	109	---	---	---	52	---	57	---	---
4331 sand & gravel	1,633	168	303	986	15	73	74	9	4
4335 waterway improv. mat	269	---	---	---	---	259	10	---	---
Subtotal iron ore and scrap	856	137	177	7	---	56	478	---	---
4410 iron ore	78	---	---	---	---	20	58	---	---
4420 iron & steel scrap	778	137	177	7	---	37	420	---	---
Subtotal non-ferrous ores and scrap	210	13	---	---	---	196	1	---	---
4650 aluminum ore	71	5	---	---	---	66	---	---	---
4670 manganese ore	125	3	---	---	---	121	1	---	---
4690 non-ferrous ores nec	15	6	---	---	---	9	---	---	---
Subtotal sulphur, clay and salt	59	46	---	---	---	10	3	---	---
4782 clay & refrac. mat.	59	46	---	---	---	10	3	---	---
Subtotal slag	177	3	2	---	---	49	123	---	---
4860 slag	177	3	2	---	---	49	123	---	---
Subtotal other non-metal. min.	1,259	335	---	---	---	923	---	---	---
4900 non-metal. min. nec	1,259	335	---	---	---	923	---	---	---
Total primary manufactured goods	2,866	113	34	---	53	2,195	470	---	---
Subtotal paper products	3	---	---	---	---	3	---	---	---
5190 paper products nec	3	---	---	---	---	3	---	---	---
Subtotal lime, cement and glass	727	22	---	---	---	632	73	---	---
5210 lime	90	22	---	---	---	---	68	---	---
5220 cement & concrete	637	---	---	---	---	632	5	---	---
Subtotal primary iron and steel products	1,960	82	34	---	53	1,400	390	---	---
5312 pig iron	361	26	---	---	---	334	---	---	---
5315 ferro alloys	176	---	---	---	4	164	7	---	---
5320 i&s primary forms	401	8	---	---	5	377	12	---	---
5330 i&s plates & sheets	729	28	14	---	29	296	362	---	---
5360 i&s bars & shapes	153	20	20	---	16	97	---	---	---
5370 i&s pipe & tube	4	---	---	---	---	4	---	---	---
5390 primary i&s nec	136	---	---	---	---	126	10	---	---
Subtotal primary non-ferrous metal products	173	8	---	---	---	158	7	---	---
5429 smelted prod. nec	17	---	---	---	---	17	---	---	---
5480 fab. metal products	157	8	---	---	---	141	7	---	---
Subtotal primary wood products	3	---	---	---	---	3	---	---	---
5540 primary wood prod.	3	---	---	---	---	3	---	---	---

ILLINOIS RIVER, IL (INCLUDED IN THE ILLINOIS WATERWAY CONSOLIDATED)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total food and farm products	19,421	196	3	39	18,342	75	752	6	8
Subtotal grain	13,317	119	---	39	12,705	---	443	6	5
6241 wheat	428	39	---	---	279	---	110	---	---
6344 corn	12,822	18	---	39	12,422	---	333	6	5
6447 sorghum	67	63	---	---	5	---	---	---	---
grains									
Subtotal	4,482	---	---	---	4,180	---	301	---	2
oilseeds									
6522 soybeans	4,459	---	---	---	4,159	---	298	---	2
6590 oilseeds nec	23	---	---	---	21	---	3	---	---
Subtotal	44	25	---	---	18	1	---	---	---
vegetable products									
6653 vegetable oils	42	25	---	---	16	1	---	---	---
6654 vegetables & prod.	2	---	---	---	2	---	---	---	---
Subtotal	1,301	33	3	---	1,255	---	8	---	1
processed grain and animal feed									
6747 grain mill	157	---	---	---	157	---	---	---	---
products									
6782 animal feed, prep.	1,144	33	3	---	1,098	---	8	---	1
Subtotal other agricultural products	277	19	---	---	184	74	---	---	---
6861 sugar	51	---	---	---	---	51	---	---	---
6865 molasses	42	19	---	---	---	23	---	---	---
6885 alcoholic beverages	184	---	---	---	184	---	---	---	---
Total all manufactured equipment, machinery and products	55	2	---	---	21	27	5	---	---
7110 machinery (not elec)	14	1	---	---	0	9	5	---	---
7400 manufac. wood prod.	18	---	---	---	---	18	---	---	---
7500 textile products	1	1	---	---	---	---	---	---	---
7600 rubber & plastic pr.	21	---	---	---	21	---	---	---	---
Ton-miles (x1000)	8,215,253	1,147,971	86,502	102,047	3,536,066	2,266,595	1,065,370	2,976	7,726
Tons All Traffic (x1000)					39,679				
Ton-miles All Traffic (x1000)					8,215,253				

CALUMET-SAG CHANNEL, IL (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 (130th Street Bridge). Project Depth: 9 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	6,127	1990	7,621	1993	7,430	1996	12,636
1988	7,075	1991	7,367	1994	12,874		
1989	6,544	1992	7,633	1995	12,077		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	12,636	359	28	71	377	5,006	6,795
Total coal	6,096	---	---	---	---	2,047	4,049
1100 coal lignite	5,144	---	---	---	---	1,199	3,945
1200 coal coke	952	---	---	---	---	848	105
Total petroleum and petroleum products	1,892	46	10	71	368	312	1,085
Subtotal crude petroleum	16	---	---	---	---	16	---
2100 crude petroleum	16	---	---	---	---	16	---
Subtotal petroleum products	1,876	46	10	71	368	296	1,085
2211 gasoline	47	10	---	---	12	4	20
2221 kerosene	2	---	---	---	---	---	2
2330 distillate fuel oil	304	14	10	50	31	26	173
2340 residual fuel oil	228	---	---	21	19	62	127
2350 lube oil & greases	87	---	---	---	21	15	52

CALUMET-SAG CHANNEL, IL (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
2429 naphtha & solvents	9	3	---	---	---	5	2
2430 asphalt, tar & pitch	454	11	---	---	48	3	391
2540 petroleum coke	745	8	---	---	238	181	318
Total chemicals and related products	743	242	18	---	1	308	174
Subtotal fertilizers	136	---	---	---	---	130	6
3110 nitrogenous fert.	116	---	---	---	---	112	5
3120 phosphatic fert.	18	---	---	---	---	17	2
3190 fert. & mixes nec	2	---	---	---	---	2	---
Subtotal other chemicals and related products	607	242	18	---	1	178	168
3211 acyclic hydrocarbons	7	---	---	---	---	---	7
3212 benzene & toluene	55	3	---	---	---	---	52
3219 other hydrocarbons	55	3	1	---	---	40	10
3220 alcohols	330	218	17	---	1	17	77
3240 nitrogen func. comp.	1	---	---	---	---	1	---
3260 organic comp. nec	13	3	---	---	---	10	---
3272 sulphuric acid	1	---	---	---	---	1	---
3274 sodium hydroxide	94	---	---	---	---	94	---
3276 metallic salts	24	10	---	---	---	1	12
3279 inorganic chem. nec	11	---	---	---	---	11	---
3297 chemical additives	13	2	---	---	---	2	9
3299 chem. products nec	3	3	---	---	---	---	---
Total crude materials, inedible except fuels	1,650	15	---	---	3	1,011	621
Subtotal soil, sand, gravel, rock and stone	466	15	---	---	---	310	141
4322 limestone	22	3	---	---	---	19	---
4323 gypsum	57	---	---	---	---	---	57
4331 sand & gravel	129	12	---	---	---	43	74
4335 waterway improv. mat	257	---	---	---	---	248	10
Subtotal iron ore and scrap	368	---	---	---	3	43	323
4410 iron ore	58	---	---	---	1	1	55
4420 iron & steel scrap	310	---	---	---	1	41	267
Subtotal non-ferrous ores and scrap	198	---	---	---	---	196	1
4650 aluminum ore	66	---	---	---	---	66	---
4670 manganese ore	122	---	---	---	---	121	1
4690 non-ferrous ores nec	9	---	---	---	---	9	---
Subtotal sulphur, clay and salt	10	---	---	---	---	7	3
4782 clay & refrac. mat.	10	---	---	---	---	7	3
Subtotal slag	171	---	---	---	---	47	124
4860 slag	171	---	---	---	---	47	124
Subtotal other non-metal. min.	437	---	---	---	---	409	28
4900 non-metal. min. nec	437	---	---	---	---	409	28
Total primary manufactured goods	1,796	37	---	---	---	1,261	499
Subtotal lime, cement and glass	89	---	---	---	---	21	68
5210 lime	68	---	---	---	---	---	68
5220 cement & concrete	21	---	---	---	---	21	---
Subtotal primary iron and steel products	1,576	36	---	---	---	1,115	424
5312 pig iron	327	34	---	---	---	293	---
5315 ferro alloys	171	2	---	---	---	163	7
5320 i&s primary forms	340	---	---	---	---	328	12
5330 i&s plates & sheets	602	---	---	---	---	227	376
5360 i&s bars & shapes	38	---	---	---	---	18	20
5390 primary i&s nec	97	---	---	---	---	87	10
Subtotal primary non-ferrous metal products	132	1	---	---	---	124	6
5429 smelted prod. nec	17	---	---	---	---	17	---
5480 fab. metal products	115	1	---	---	---	108	6
Total food and farm products	451	19	---	---	6	64	363
Subtotal grain	243	---	---	---	---	39	204
6241 wheat	84	---	---	---	---	---	84
6344 corn	159	---	---	---	---	39	120
Subtotal oilseeds	154	---	---	---	---	---	154
6522 soybeans	151	---	---	---	---	---	151
6590 oilseeds nec	3	---	---	---	---	---	3
Subtotal processed grain and animal feed	11	---	---	---	6	---	6
6782 animal feed, prep.	11	---	---	---	6	---	6
Subtotal other agricultural products	43	19	---	---	---	24	---
6861 sugar	20	---	---	---	---	20	---
6865 molasses	23	19	---	---	---	4	---
Total all manufactured equipment, machinery and products	8	---	---	---	---	4	4
7110 machinery (not elec)	8	---	---	---	---	4	4
Ton-miles (x1000)	294,646	5,133	324	777	5,171	120,151	163,091
Tons All Traffic (x1000)	12,636						
Ton-miles All Traffic (x1000)	294,646						

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

Section Included: Chicago Sanitary and Ship Canal. Damen Avenue, Chicago to Lockport, IL. Project Depth: 9 feet at low water stages.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	16,599	1990	18,643	1993	18,813	1996	20,493
1988	17,747	1991	18,763	1994	24,591		
1989	16,908	1992	17,966	1995	19,704		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	20,493	4,879	4,329	658	2,128	5,471	2,362	495	171
Total coal	6,429	155	3,935	34	177	2,012	110	3	3
1100 coal lignite	5,270	131	3,935	---	---	1,199	5	---	---
1200 coal coke	1,158	24	---	34	177	813	105	3	3
Total petroleum and petroleum products	3,827	1,525	255	146	905	149	551	161	135
Subtotal crude petroleum	45	---	---	---	20	16	---	---	10
2100 crude petroleum	45	---	---	---	20	16	---	---	10
Subtotal petroleum products	3,781	1,525	255	146	885	133	551	161	125
2211 gasoline	65	16	---	---	6	10	32	---	---
2221 kerosene	2	---	---	---	2	---	2	---	---
2330 distillate fuel oil	579	231	36	4	114	33	39	89	33
2340 residual fuel oil	702	325	---	19	302	4	17	29	6
2350 lube oil & greases	227	149	2	---	8	10	54	2	2
2429 naphtha & solvents	121	46	2	5	15	3	---	34	17
2430 asphalt, tar & pitch	922	484	119	---	135	6	156	---	21
2540 petroleum coke	1,164	274	97	119	305	67	251	6	46
2640 liquid natural gas	1	1	---	---	---	---	---	---	---
Total chemicals and related products	1,943	943	111	5	120	544	134	54	31
Subtotal fertilizers	144	4	---	3	1	130	6	---	---
3110 nitrogenous fert.	121	2	---	3	---	112	5	---	---
3120 phosphatic fert.	20	1	---	---	---	17	2	---	---
3190 fert. & mixes nec	3	---	---	---	1	2	---	---	---
Subtotal other chemicals and related products	1,800	939	111	3	119	415	128	54	31
3211 acyclic hydrocarbons	7	---	---	---	---	---	7	---	---
3212 benzene & toluene	128	1	---	3	41	---	52	23	7
3219 other hydrocarbons	179	45	---	---	39	43	7	22	22
3220 alcohols	699	398	2	---	6	232	50	8	2
3230 carboxylic acids	3	3	---	---	---	---	---	---	---
3240 nitrogen func. comp.	1	---	---	---	---	1	---	---	---
3260 organic comp. nec	32	19	---	---	---	13	---	---	---
3272 sulphuric acid	1	---	---	---	---	1	---	---	---
3274 sodium hydroxide	477	383	---	---	---	94	---	---	---
3275 inorg. elem., oxides, & halogen salts	80	80	---	---	---	---	---	---	---
3276 metallic salts	165	10	108	---	33	12	3	---	---
3279 inorganic chem. nec	11	---	---	---	---	11	---	---	---
3297 chemical additives	13	---	---	---	---	4	9	---	---
3299 chem. products nec	3	---	---	---	---	3	---	---	---

CHICAGO SANITARY AND SHIP CANAL, IL (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	4,692	1,332	28	472	535	1,352	694	278	2
Subtotal forest products, wood and chips	92	92	---	---	---	---	---	---	---
4161 wood chips	92	92	---	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,544	810	---	472	303	539	141	278	2
4322 limestone	31	9	---	---	---	22	---	---	---
4323 gypsum	57	---	---	---	---	---	57	---	---
4331 sand & gravel	2,188	789	---	472	303	269	74	278	2
4335 waterway improv. mat	269	12	---	---	---	248	10	---	---
Subtotal iron ore and scrap	719	3	---	---	232	61	424	---	---
4410 iron ore	78	---	---	---	1	20	57	---	---
4420 iron & steel scrap	641	3	---	---	230	41	367	---	---
Subtotal non-ferrous ores and scrap	198	---	---	---	---	196	1	---	---
4650 aluminum ore	66	---	---	---	---	66	---	---	---
4670 manganese ore	122	---	---	---	---	121	1	---	---
4690 non-ferrous ores nec	9	---	---	---	---	9	---	---	---
Subtotal sulphur, clay and salt	13	3	---	---	---	7	3	---	---
4782 clay & refrac. mat.	13	3	---	---	---	7	3	---	---
Subtotal slag	174	2	---	---	---	47	124	---	---
4860 slag	174	2	---	---	---	47	124	---	---
Subtotal other non-metal. min. nec	952	421	28	---	---	502	---	---	---
4900 non-metal. min. nec	952	421	28	---	---	502	---	---	---
Total primary manufactured goods	2,701	868	---	---	7	1,327	499	---	---
Subtotal paper products	3	---	---	---	---	3	---	---	---
5190 paper products nec	3	---	---	---	---	3	---	---	---
Subtotal lime, cement and glass	706	589	---	---	6	43	68	---	---
5210 lime	68	---	---	---	---	---	68	---	---
5220 cement & concrete	638	589	---	---	6	43	---	---	---
Subtotal primary iron and steel products	1,824	247	---	---	---	1,153	424	---	---
5312 pig iron	334	8	---	---	---	327	---	---	---
5315 ferro alloys	171	---	---	---	---	164	7	---	---
5320 i&s primary forms	389	49	---	---	---	328	12	---	---
5330 i&s plates & sheets	672	68	---	---	---	228	376	---	---
5360 i&s bars & shapes	118	79	---	---	---	18	20	---	---
5370 i&s pipe & tube	4	4	---	---	---	---	---	---	---
5390 primary i&s nec	136	39	---	---	---	87	10	---	---
Subtotal primary non-ferrous metal products	165	33	---	---	1	125	6	---	---
5429 smelted prod. nec	17	---	---	---	---	17	---	---	---
5480 fab. metal products	148	33	---	---	1	109	6	---	---
Subtotal primary wood products	3	---	---	---	---	3	---	---	---
5540 primary wood prod.	3	---	---	---	---	3	---	---	---
Total food and farm products	869	32	---	---	384	83	370	---	---
Subtotal grain	482	---	---	---	238	39	205	---	---
6241 wheat	110	---	---	---	25	---	85	---	---
6344 corn	372	---	---	---	213	39	120	---	---

CHICAGO SANITARY AND SHIP CANAL, IL (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal oilseeds	301	---	---	---	147	---	154	---	---
6522 soybeans	298	---	---	---	147	---	151	---	---
6590 oilseeds nec	3	---	---	---	---	---	3	---	---
Subtotal vegetable products	1	1	---	---	---	---	---	---	---
6653 vegetable oils	1	1	---	---	---	---	---	---	---
Subtotal processed grain and animal feed	11	---	---	---	---	---	11	---	---
6782 animal feed, prep.	11	---	---	---	---	---	11	---	---
Subtotal other agricultural products	74	31	---	---	---	43	---	---	---
6861 sugar	51	31	---	---	---	20	---	---	---
6865 molasses	23	---	---	---	---	23	---	---	---
Total all manufactured equipment, machinery and products	32	23	---	---	---	4	5	---	---
7110 machinery (not elec)	14	5	---	---	---	4	5	---	---
7400 manufac. wood prod.	18	18	---	---	---	---	---	---	---
Ton-miles (x1000)	200,660	52,007	25,796	13,653	22,010	61,672	25,523	---	---
Tons All Traffic (x1000)		20,493							
Ton-miles All Traffic (x1000)		200,660							

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)

Section Included: Illinois River, Grafton, IL to confluence of Desplaines and Kankakee Rivers then Des plaines River to Lockport, IL.; Chicago Sanitary and Ship Canal, Lockport, IL 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 (130th Street Bridge). See reports for Illinois River, Chicago Sanitary and Ship Canal, Calumet-Sag Channel, and Chicago River, South Branch. Project Depth: 9 feet at low water stages.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	41,412	1990	43,318	1993	45,636	1996	46,236
1988	40,973	1991	43,131	1994	50,882		
1989	39,672	1992	42,668	1995	47,435		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	46,236	9,448	4,493	922	21,594	4,569	1,918	2,278	1,014
Total coal	8,204	1,323	3,941	269	544	1,777	103	62	184
1100 coal lignite	6,635	1,273	3,937	---	23	1,199	3	59	141
1200 coal coke	1,569	50	5	269	521	578	100	3	43
Total petroleum and petroleum products	5,608	2,263	243	239	1,606	91	299	514	353
Subtotal crude petroleum	45	---	---	---	20	16	---	---	10
2100 crude petroleum	45	---	---	---	20	16	---	---	10
Subtotal petroleum products	5,562	2,263	243	239	1,586	75	299	514	344
2211 gasoline	468	396	20	---	18	---	---	5	29
2221 kerosene	2	---	2	---	---	---	---	---	---
2330 distillate fuel oil	764	344	58	67	123	4	4	100	64
2340 residual fuel oil	1,008	433	---	40	391	4	---	96	43
2350 lube oil & greases	311	214	---	---	15	10	50	17	4
2429 naphtha & solvents	208	135	2	5	15	---	---	34	17
2430 asphalt, tar & pitch	1,189	535	120	---	227	---	107	171	29

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
2540 petroleum coke	1,613	205	41	128	797	56	138	90	158
2640 liquid natural gas	1	1	---	---	---	---	---	---	---
Total chemicals and related products	4,470	3,147	144	22	376	289	118	296	77
Subtotal fertilizers	1,052	863	2	22	27	110	5	12	11
3110 nitrogenous fert.	537	418	---	22	---	92	5	---	---
3120 phosphatic fert.	46	28	2	---	---	17	---	---	---
3130 potassic fert.	116	67	---	---	26	---	---	12	11
3190 fert. & mixes nec	353	350	---	---	1	2	---	---	---
Subtotal other chemicals and related products	3,418	2,284	143	---	349	178	114	284	67
3211 acyclic hydrocarbons	12	4	---	---	---	---	7	---	---
3212 benzene & toluene	132	5	---	---	41	---	52	26	9
3219 other hydrocarbons	990	855	3	---	17	40	6	25	44
3220 alcohols	1,051	487	32	---	243	17	37	232	4
3230 carboxylic acids	9	9	---	---	---	---	---	---	---
3240 nitrogen func. comp.	1	---	---	---	---	1	---	---	---
3260 organic comp. nec	52	42	---	---	---	10	---	---	---
3272 sulphuric acid	1	---	---	---	---	1	---	---	---
3273 ammonia	300	284	---	---	10	---	---	1	5
3274 sodium hydroxide	480	383	---	---	3	94	---	---	---
3275 inorg. elem., oxides, & halogen salts	109	109	---	---	---	---	---	---	---
3276 metallic salts	174	29	108	---	27	1	3	---	6
3279 inorganic chem. nec	64	47	---	---	6	11	---	---	---
3286 plastics	11	11	---	---	---	---	---	---	---
3297 chemical additives	13	2	---	---	---	2	9	---	---
3299 chem. products nec	20	17	---	---	3	---	---	---	---
Total crude materials, inedible except fuels	5,611	1,421	127	352	252	1,098	568	1,400	391
Subtotal forest products, wood and chips	220	213	---	---	6	---	---	---	---
4161 wood chips	213	207	---	---	6	---	---	---	---
4189 lumber	1	1	---	---	---	---	---	---	---
4190 forest products nec	5	5	---	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,802	226	---	345	67	311	141	1,400	312
4322 limestone	40	18	---	---	---	19	---	---	3
4323 gypsum	109	---	---	---	52	---	57	---	---
4331 sand & gravel	2,385	196	---	345	15	45	74	1,400	309
4335 waterway improv. mat	269	12	---	---	---	248	10	---	---
Subtotal iron ore and scrap	856	157	98	7	179	35	300	---	80
4410 iron ore	78	18	---	---	3	1	55	---	---
4420 iron & steel scrap	778	139	98	7	176	34	244	---	80
Subtotal non-ferrous ores and scrap	210	13	---	---	---	196	1	---	---
4650 aluminum ore	71	5	---	---	---	66	---	---	---
4670 manganese ore	125	3	---	---	---	121	1	---	---
4690 non-ferrous ores nec	15	6	---	---	---	9	---	---	---
Subtotal sulphur, clay and salt	59	49	---	---	---	7	3	---	---
4782 clay & refrac. mat.	59	49	---	---	---	7	3	---	---
Subtotal slag	177	6	2	---	---	47	123	---	---
4860 slag	177	6	2	---	---	47	123	---	---

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal other non-metal. min.	1,287	757	28	---	---	502	---	---	---
4900 non-metal. min. nec	1,287	757	28	---	---	502	---	---	---
Total primary manufactured goods	2,867	1,023	34	---	61	1,285	464	---	---
Subtotal paper products	3	3	---	---	---	---	---	---	---
5190 paper products nec	3	3	---	---	---	---	---	---	---
Subtotal lime, cement and glass	728	611	---	---	6	43	68	---	---
5210 lime	90	22	---	---	---	---	68	---	---
5220 cement & concrete	638	589	---	---	6	43	---	---	---
Subtotal primary iron and steel products	1,960	366	34	---	53	1,115	390	---	---
5312 pig iron	361	68	---	---	---	293	---	---	---
5315 ferro alloys	176	2	---	---	4	163	7	---	---
5320 i&s primary forms	401	57	---	---	5	328	12	---	---
5330 i&s plates & sheets	729	98	14	---	29	227	362	---	---
5360 i&s bars & shapes	153	99	20	---	16	18	---	---	---
5370 i&s pipe & tube	4	4	---	---	---	---	---	---	---
5390 primary i&s nec	136	39	---	---	---	87	10	---	---
Subtotal primary non-ferrous metal products	173	42	---	---	1	124	6	---	---
5429 smelted prod. nec	17	---	---	---	---	17	---	---	---
5480 fab. metal products	157	42	---	---	1	108	6	---	---
Subtotal primary wood products	3	---	---	---	---	3	---	---	---
5540 primary wood prod.	3	---	---	---	---	3	---	---	---
Total food and farm products	19,421	247	3	39	18,733	24	360	6	8
Subtotal grain	13,317	119	---	39	12,944	---	204	6	5
6241 wheat	428	39	---	---	305	---	84	---	---
6344 corn	12,822	18	---	39	12,634	---	120	6	5
6447 sorghum grains	67	63	---	---	5	---	---	---	---
Subtotal oilseeds	4,482	---	---	---	4,327	---	154	---	2
6522 soybeans	4,459	---	---	---	4,306	---	151	---	2
6590 oilseeds nec	23	---	---	---	21	---	3	---	---
Subtotal vegetable products	44	26	---	---	18	---	---	---	---
6653 vegetable oils	42	26	---	---	16	---	---	---	---
6654 vegetables & prod.	2	---	---	---	2	---	---	---	---
Subtotal processed grain and animal feed	1,301	33	3	---	1,261	---	3	---	1
6747 grain mill products	157	---	---	---	157	---	---	---	---
6782 animal feed, prep.	1,144	33	3	---	1,104	---	3	---	1
Subtotal other agricultural products	277	69	---	---	184	24	---	---	---
6861 sugar	51	31	---	---	---	20	---	---	---
6865 molasses	42	38	---	---	---	4	---	---	---
6885 alcoholic beverages	184	---	---	---	184	---	---	---	---
Total all manufactured equipment, machinery and products	55	25	---	---	21	4	5	---	---
7110 machinery (not elec)	14	5	---	---	0	4	5	---	---
7400 manufac. wood prod.	18	18	---	---	---	---	---	---	---
7500 textile products	1	1	---	---	---	---	---	---	---

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
7600 rubber & plastic pr.	21	---	---	---	21	---	---	---	---
Ton-miles (x1000)	8,238,676	2,100,204	104,791	14,543	4,044,883	1,329,517	558,139	20,091	66,507
Tons All Traffic (x1000)			46,236						
Ton-miles All Traffic (x1000)			8,238,676						

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
WAUKEGAN HARBOR, IL												
	Inbound						Outbound					
Grand Total	57	55	---	2	---	---	65	55	---	6	4	---
FOREIGN												
Total	---	---	---	---	---	---	8	---	---	4	4	---
17	---	---	---	---	---	---	3	---	---	---	3	---
16	---	---	---	---	---	---	1	---	---	---	1	---
14	---	---	---	---	---	---	1	---	---	1	---	---
≤ 12	---	---	---	---	---	---	3	---	---	3	---	---
DOMESTIC												
Total	57	55	---	2	---	---	57	55	---	2	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	1	1	---	---	---	---	---	---	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
19	6	6	---	---	---	---	16	16	---	---	---	---
18	20	20	---	---	---	---	6	6	---	---	---	---
17	17	17	---	---	---	---	2	2	---	---	---	---
16	4	4	---	---	---	---	12	12	---	---	---	---
15	1	1	---	---	---	---	7	7	---	---	---	---
14	3	3	---	---	---	---	3	3	---	---	---	---
13	1	1	---	---	---	---	5	5	---	---	---	---
≤ 12	2	---	---	2	---	---	6	4	---	2	---	---
											Total trips:	122
CHICAGO RIVER (MAIN AND NORTH BRANCH), IL												
	Upbound						Downbound					
Grand Total	629	2	---	231	363	33	2,503	1,945	---	186	362	10
FOREIGN												
Total	2	---	---	1	1	---	2	1	---	---	1	---
20	---	---	---	---	---	---	1	1	---	---	---	---
19	1	---	---	---	1	---	---	---	---	---	---	---
16	---	---	---	---	---	---	1	---	---	---	1	---
≤ 12	1	---	---	1	---	---	---	---	---	---	---	---
DOMESTIC												
Total	627	2	---	230	362	33	2,501	1,944	---	186	361	10
≤ 12	627	2	---	230	362	33	2,501	1,944	---	186	361	10
											Total trips:	3,132
CHICAGO RIVER, SOUTH BRANCH, IL												
	Upbound						Downbound					
Grand Total	2,766	1,944	---	188	624	10	891	2	1	223	632	33
DOMESTIC												
Total	2,766	1,944	---	188	624	10	891	2	1	223	632	33
≤ 12	2,766	1,944	---	188	624	10	891	2	1	223	632	33
											Total trips:	3,657
LAKE CALUMET, IL												
	Upbound						Downbound					
Grand Total	1,060	51	40	100	707	162	1,059	54	37	80	729	159
FOREIGN												
Total	30	11	5	6	8	---	26	13	3	4	6	---
27	1	1	---	---	---	---	2	2	---	---	---	---
25	---	---	---	---	---	---	2	1	1	---	---	---
24	6	5	1	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	6	2	4	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	---	---	---	---	---	---	4	2	2	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

LAKE CALUMET, IL - continued

	Upbound						Downbound					
FOREIGN												
19	5	---	---	---	5	---	2	2	---	---	---	---
18	2	---	---	---	2	---	2	2	---	---	---	---
17	---	---	---	---	---	---	2	---	---	---	2	---
16	2	1	---	---	1	---	5	1	---	---	4	---
≤ 12	8	2	---	6	---	---	5	1	---	4	---	---
DOMESTIC												
Total	1,030	40	35	94	699	162	1,033	41	34	76	723	159
26	4	4	---	---	---	---	---	---	---	---	---	---
25	7	7	---	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
22	5	5	---	---	---	---	---	---	---	---	---	---
21	16	6	---	---	10	---	---	---	---	---	---	---
20	8	7	---	---	1	---	1	1	---	---	---	---
19	9	7	---	---	2	---	7	7	---	---	---	---
18	2	2	---	---	---	---	11	11	---	---	---	---
17	---	---	---	---	---	---	9	9	---	---	---	---
16	1	1	---	---	---	---	8	8	---	---	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
14	---	---	---	---	---	---	4	4	---	---	---	---
13	16	---	12	---	4	---	17	---	---	17	---	---
≤ 12	961	---	23	94	682	162	975	---	34	76	706	159
Total trips:											2,119	

CALUMET HARBOR AND RIVER, IL AND IN

	Upbound						Downbound					
Grand Total	10,749	665	80	3,141	6,110	753	12,297	2,624	82	2,521	6,396	674
FOREIGN												
Total	268	218	6	22	22	---	283	210	8	33	32	---
28	---	---	---	---	---	---	7	7	---	---	---	---
27	19	19	---	---	---	---	49	49	---	---	---	---
26	4	3	---	1	---	---	16	16	---	---	---	---
25	11	10	1	---	---	---	22	22	---	---	---	---
24	11	11	---	---	---	---	56	54	2	---	---	---
23	42	42	---	---	---	---	15	15	---	---	---	---
22	29	29	---	---	---	---	13	9	4	---	---	---
21	24	23	1	---	---	---	24	23	1	---	---	---
20	36	33	3	---	---	---	1	1	---	---	---	---
19	15	13	---	---	2	---	13	3	---	---	10	---
18	16	16	---	---	---	---	7	3	---	---	4	---
17	6	2	---	---	4	---	4	1	---	---	3	---
16	14	4	---	---	10	---	4	1	---	1	2	---
15	13	10	1	---	2	---	4	1	---	---	3	---
14	---	---	---	---	---	---	3	---	---	1	2	---
13	---	---	---	---	---	---	1	---	---	---	1	---
≤ 12	28	3	---	21	4	---	44	5	1	31	7	---
DOMESTIC												
Total	10,481	447	74	3,119	6,088	753	12,014	2,414	74	2,488	6,364	674
28	---	---	---	---	---	---	4	4	---	---	---	---
27	7	2	---	---	5	---	25	25	---	---	---	---
26	11	11	---	---	---	---	42	42	---	---	---	---
25	5	5	---	---	---	---	15	15	---	---	---	---
24	18	12	---	6	---	---	13	7	---	6	---	---
23	17	17	---	---	---	---	3	3	---	---	---	---
22	41	40	---	---	1	---	12	12	---	---	---	---
21	15	15	---	---	---	---	36	26	---	---	10	---
20	15	15	---	---	---	---	13	12	---	---	1	---
19	24	23	1	---	---	---	9	7	---	---	2	---
18	64	61	---	3	---	---	62	61	---	1	---	---
17	15	12	---	---	---	3	23	23	---	---	---	---
16	9	9	---	---	---	---	19	18	---	---	1	---
15	2	2	---	---	---	---	1	1	---	---	---	---
14	9	4	---	4	1	---	2	---	---	2	---	---
13	56	3	3	34	16	---	70	1	35	29	4	1
≤ 12	10,173	216	70	3,072	6,065	750	11,665	2,157	39	2,450	6,346	673
Total trips:											23,046	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PORT OF CHICAGO, IL												
	Inbound						Outbound					
Grand Total	30,071	13,373	82	4,854	8,979	2,783	30,018	13,378	80	4,705	9,095	2,760
FOREIGN												
Total	286	211	8	34	33	---	270	219	6	22	23	---
28	7	7	---	---	---	---	---	---	---	---	---	---
27	49	49	---	---	---	---	19	19	---	---	---	---
26	16	16	---	---	---	---	4	3	---	1	---	---
25	23	23	---	---	---	---	11	10	1	---	---	---
24	56	54	2	---	---	---	11	11	---	---	---	---
23	15	15	---	---	---	---	42	42	---	---	---	---
22	13	9	4	---	---	---	29	29	---	---	---	---
21	24	23	1	---	---	---	24	23	1	---	---	---
20	1	1	---	---	---	---	37	34	3	---	---	---
19	14	3	---	---	11	---	15	13	---	---	2	---
18	7	3	---	---	4	---	16	16	---	---	---	---
17	4	1	---	---	3	---	6	2	---	---	4	---
16	4	1	---	1	2	---	15	4	---	---	11	---
15	4	1	---	---	3	---	13	10	1	---	2	---
14	3	---	---	1	2	---	---	---	---	---	---	---
13	1	---	---	---	1	---	---	---	---	---	---	---
≤ 12	45	5	1	32	7	---	28	3	---	21	4	---
DOMESTIC												
Total	29,785	13,162	74	4,820	8,946	2,783	29,748	13,159	74	4,683	9,072	2,760
28	4	4	---	---	---	---	---	---	---	---	---	---
27	25	25	---	---	---	---	7	2	---	---	5	---
26	42	42	---	---	---	---	11	11	---	---	---	---
25	15	15	---	---	---	---	5	5	---	---	---	---
24	13	7	---	6	---	---	18	12	---	6	---	---
23	3	3	---	---	---	---	17	17	---	---	---	---
22	12	12	---	---	---	---	41	40	---	---	1	---
21	36	26	---	---	10	---	15	15	---	---	---	---
20	13	12	---	---	1	---	15	15	---	---	---	---
19	10	8	---	---	2	---	23	22	1	---	---	---
18	49	48	---	1	---	---	77	74	---	3	---	---
17	23	23	---	---	---	---	15	12	---	---	---	3
16	19	18	---	---	1	---	9	9	---	---	---	---
15	1	1	---	---	---	---	2	2	---	---	---	---
14	3	1	---	2	---	---	8	3	---	4	1	---
13	81	1	35	39	5	1	54	3	3	32	16	---
≤ 12	29,436	12,916	39	4,772	8,927	2,782	29,431	12,917	70	4,638	9,049	2,757
Total trips:											60,089	
INDIANA HARBOR, IN												
	Inbound						Outbound					
Grand Total	3,078	408	437	1,244	335	654	3,294	402	441	1,363	351	737
FOREIGN												
Total	68	68	---	---	---	---	57	57	---	---	---	---
28	9	9	---	---	---	---	---	---	---	---	---	---
27	56	56	---	---	---	---	3	3	---	---	---	---
26	2	2	---	---	---	---	---	---	---	---	---	---
25	1	1	---	---	---	---	1	1	---	---	---	---
23	---	---	---	---	---	---	36	36	---	---	---	---
22	---	---	---	---	---	---	17	17	---	---	---	---
DOMESTIC												
Total	3,010	340	437	1,244	335	654	3,237	345	441	1,363	351	737
31	14	14	---	---	---	---	---	---	---	---	---	---
30	38	38	---	---	---	---	---	---	---	---	---	---
29	26	26	---	---	---	---	---	---	---	---	---	---
28	103	103	---	---	---	---	---	---	---	---	---	---
27	143	98	---	---	45	---	2	1	---	---	1	---
26	54	50	---	---	4	---	3	1	---	---	2	---
25	4	2	---	---	2	---	4	3	---	---	1	---
24	47	---	---	47	---	---	47	8	---	39	---	---
23	5	---	---	---	5	---	29	29	---	---	---	---
22	1	---	---	---	1	---	16	10	---	6	---	---
21	2	2	---	---	---	---	160	160	---	---	---	---
20	5	5	---	---	---	---	49	49	---	---	---	---
19	---	---	---	---	---	---	23	9	2	---	---	12
18	28	---	---	28	---	---	145	64	---	34	---	47

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

INDIANA HARBOR, IN - continued

Inbound							Outbound					
DOMESTIC												
17	59	2	---	---	---	57	25	10	---	---	1	14
16	45	---	---	45	---	---	115	---	---	69	7	39
15	---	---	---	---	---	---	17	1	---	---	---	16
14	24	---	---	24	---	---	54	---	---	25	---	29
13	127	---	88	39	---	---	255	---	216	36	1	2
≤ 12	2,285	---	349	1,061	278	597	2,293	---	223	1,154	338	578
Total trips:											6,372	

BURNS WATERWAY HARBOR, IN

Inbound							Outbound					
Grand Total	1,619	225	100	528	720	46	1,656	221	100	542	748	45
FOREIGN												
Total	111	111	---	---	---	---	110	110	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	56	56	---	---	---	---	8	8	---	---	---	---
26	14	14	---	---	---	---	4	4	---	---	---	---
25	5	5	---	---	---	---	1	1	---	---	---	---
24	15	15	---	---	---	---	4	4	---	---	---	---
23	5	5	---	---	---	---	28	28	---	---	---	---
22	2	2	---	---	---	---	28	28	---	---	---	---
21	7	7	---	---	---	---	6	6	---	---	---	---
20	---	---	---	---	---	---	8	8	---	---	---	---
19	2	2	---	---	---	---	1	1	---	---	---	---
18	---	---	---	---	---	---	16	16	---	---	---	---
15	---	---	---	---	---	---	5	5	---	---	---	---
≤ 12	4	4	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	1,508	114	100	528	720	46	1,546	111	100	542	748	45
28	27	27	---	---	---	---	---	---	---	---	---	---
27	48	48	---	---	---	---	---	---	---	---	---	---
26	29	28	---	---	1	---	---	---	---	---	---	---
25	3	3	---	---	---	---	1	1	---	---	---	---
24	2	1	---	1	---	---	1	---	---	1	---	---
22	3	3	---	---	---	---	77	77	---	---	---	---
21	3	3	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	4	4	---	---	---	---
19	---	---	---	---	---	---	12	11	---	---	1	---
18	1	1	---	---	---	---	7	7	---	---	---	---
17	---	---	---	---	---	---	6	6	---	---	---	---
16	1	---	---	---	1	---	5	5	---	---	---	---
13	93	---	90	3	---	---	17	---	10	7	---	---
≤ 12	1,298	---	10	524	718	46	1,416	---	90	534	747	45
Total trips:											3,275	

CHICAGO HARBOR, IL
(25 feet and less)

Upbound							Downbound					
Grand Total	13,555	13,376	---	178	---	1	12,568	12,457	---	109	---	2
Total trips:											26,123	

MICHIGAN CITY HARBOR, IN
No Vessel Trips Reported

BUFFINGTON HARBOR, IN
(27 feet and less)

Inbound							Outbound					
Grand Total	170	42	4	65	59	---	167	45	4	59	59	---
Total trips:											337	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
GARY HARBOR, IN (29 feet and less)												
	Inbound						Outbound					
Grand Total	1,095	142	85	469	399	---	1,135	141	85	459	450	---
										Total trips:		2,230

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

TWO HARBORS (AGATE BAY), MN

	Inbound						Outbound					
Grand Total	262	212	---	25	25	---	265	217	---	24	24	---

DOMESTIC

Total	262	212	---	25	25	---	265	217	---	24	24	---
29	---	---	---	---	---	---	12	12	---	---	---	---
28	5	5	---	---	---	---	68	59	---	---	9	---
27	10	---	---	9	1	---	107	88	---	8	11	---
26	3	3	---	---	---	---	48	45	---	---	3	---
25	8	6	---	---	2	---	7	6	---	---	1	---
24	70	50	---	16	4	---	16	---	---	16	---	---
23	68	50	---	---	18	---	---	---	---	---	---	---
22	9	9	---	---	---	---	5	5	---	---	---	---
21	43	43	---	---	---	---	1	1	---	---	---	---
20	23	23	---	---	---	---	1	1	---	---	---	---
19	6	6	---	---	---	---	---	---	---	---	---	---
18	15	15	---	---	---	---	---	---	---	---	---	---
17	2	2	---	---	---	---	---	---	---	---	---	---
										Total trips:		527

DULUTH-SUPERIOR HARBOR, MN AND WI

	Inbound						Outbound					
Grand Total	1,209	1,088	77	17	26	1	1,191	1,070	76	19	25	1

FOREIGN

Total	438	427	1	---	10	---	442	433	---	---	9	---
29	---	---	---	---	---	---	9	9	---	---	---	---
28	1	1	---	---	---	---	37	37	---	---	---	---
27	3	3	---	---	---	---	212	210	---	---	2	---
26	18	18	---	---	---	---	61	60	---	---	1	---
25	26	26	---	---	---	---	39	39	---	---	---	---
24	63	63	---	---	---	---	36	36	---	---	---	---
23	86	83	---	---	3	---	12	12	---	---	---	---
22	65	64	---	---	1	---	11	11	---	---	---	---
21	45	43	---	---	2	---	4	4	---	---	---	---
20	94	94	---	---	---	---	10	10	---	---	---	---
19	12	11	1	---	---	---	1	1	---	---	---	---
18	15	15	---	---	---	---	1	1	---	---	---	---
17	1	1	---	---	---	---	---	---	---	---	---	---
16	2	2	---	---	---	---	2	2	---	---	---	---
15	2	1	---	---	1	---	---	---	---	---	---	---
14	2	---	---	---	2	---	2	---	---	---	2	---
13	---	---	---	---	---	---	2	---	---	---	2	---
≤ 12	3	2	---	---	1	---	3	1	---	---	2	---

DOMESTIC

Total	771	661	76	17	16	1	749	637	76	19	16	1
29	---	---	---	---	---	---	20	20	---	---	---	---
28	15	14	---	---	1	---	188	185	---	---	3	---
27	44	36	---	7	1	---	185	176	---	7	2	---
26	34	33	---	---	1	---	95	93	---	---	2	---
25	22	18	---	---	4	---	13	10	---	---	3	---
24	24	13	---	9	2	---	18	8	---	9	1	---
23	181	176	---	---	5	---	19	16	---	---	3	---
22	121	121	---	---	---	---	13	12	---	---	1	---
21	45	45	---	---	---	---	35	35	---	---	---	---
20	18	18	---	---	---	---	12	12	---	---	---	---
19	50	50	---	---	---	---	28	28	---	---	---	---
18	85	85	---	---	---	---	24	24	---	---	---	---
17	44	44	---	---	---	---	9	9	---	---	---	---
16	3	2	---	---	---	1	---	---	---	---	---	---
15	1	1	---	---	---	---	7	7	---	---	---	---
14	3	3	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	81	2	76	1	2	---	82	1	76	3	1	1
										Total trips:		2,400

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
TACONITE HARBOR, MN												
	Inbound						Outbound					
Grand Total	187	147	---	20	20	---	193	149	---	22	22	---
DOMESTIC												
Total	187	147	---	20	20	---	193	149	---	22	22	---
29	---	---	---	---	---	---	2	2	---	---	---	---
28	1	1	---	---	---	---	66	65	---	---	1	---
27	1	1	---	---	---	---	69	52	---	---	17	---
26	5	5	---	---	---	---	21	19	---	---	2	---
25	1	1	---	---	---	---	2	1	---	---	1	---
24	24	8	---	16	---	---	22	---	---	22	---	---
23	50	48	---	---	2	---	2	1	---	---	1	---
22	14	9	---	4	1	---	---	---	---	---	---	---
21	5	5	---	---	---	---	1	1	---	---	---	---
20	3	3	---	---	---	---	---	---	---	---	---	---
19	21	21	---	---	---	---	---	---	---	---	---	---
18	23	23	---	---	---	---	6	6	---	---	---	---
17	5	5	---	---	---	---	2	2	---	---	---	---
15	16	16	---	---	---	---	---	---	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---
9	17	---	---	---	17	---	---	---	---	---	---	---
	Total trips:										380	
PRESQUE ISLE HARBOR, MI												
	Inbound						Outbound					
Grand Total	305	303	---	1	1	---	310	308	---	1	1	---
FOREIGN												
Total	74	74	---	---	---	---	75	75	---	---	---	---
25	---	---	---	---	---	---	11	11	---	---	---	---
24	7	7	---	---	---	---	35	35	---	---	---	---
23	26	26	---	---	---	---	29	29	---	---	---	---
22	35	35	---	---	---	---	---	---	---	---	---	---
21	5	5	---	---	---	---	---	---	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	231	229	---	1	1	---	235	233	---	1	1	---
29	---	---	---	---	---	---	2	2	---	---	---	---
28	---	---	---	---	---	---	63	63	---	---	---	---
27	3	3	---	---	---	---	109	108	---	---	1	---
26	9	9	---	---	---	---	43	43	---	---	---	---
25	3	3	---	---	---	---	1	1	---	---	---	---
24	12	11	---	1	---	---	3	2	---	1	---	---
23	10	10	---	---	---	---	7	7	---	---	---	---
22	10	10	---	---	---	---	1	1	---	---	---	---
21	8	8	---	---	---	---	---	---	---	---	---	---
20	7	7	---	---	---	---	2	2	---	---	---	---
19	24	24	---	---	---	---	1	1	---	---	---	---
18	123	123	---	---	---	---	3	3	---	---	---	---
17	12	12	---	---	---	---	---	---	---	---	---	---
16	3	3	---	---	---	---	---	---	---	---	---	---
15	6	6	---	---	---	---	---	---	---	---	---	---
≤ 12	1	---	---	---	1	---	---	---	---	---	---	---
	Total trips:										615	
MARQUETTE HARBOR, MI												
	Inbound						Outbound					
Grand Total	55	55	---	---	---	---	51	51	---	---	---	---
DOMESTIC												
Total	55	55	---	---	---	---	51	51	---	---	---	---
28	2	2	---	---	---	---	---	---	---	---	---	---
27	4	4	---	---	---	---	---	---	---	---	---	---
26	7	7	---	---	---	---	---	---	---	---	---	---
24	2	2	---	---	---	---	---	---	---	---	---	---
23	17	17	---	---	---	---	10	10	---	---	---	---
22	18	18	---	---	---	---	---	---	---	---	---	---
21	4	4	---	---	---	---	1	1	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

MARQUETTE HARBOR, MI - continued

Inbound							Outbound					
DOMESTIC												
20	1	1	---	---	---	---	3	3	---	---	---	---
19	---	---	---	---	---	---	14	14	---	---	---	---
18	---	---	---	---	---	---	19	19	---	---	---	---
17	---	---	---	---	---	---	3	3	---	---	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
Total trips:											106	

ONTONAGON HARBOR, MI

Inbound							Outbound					
Grand Total												
	11	11	---	---	---	---	11	11	---	---	---	---
FOREIGN												
Total	1	1	---	---	---	---	1	1	---	---	---	---
20	1	1	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	10	10	---	---	---	---	10	10	---	---	---	---
21	1	1	---	---	---	---	3	3	---	---	---	---
20	6	6	---	---	---	---	6	6	---	---	---	---
19	3	3	---	---	---	---	1	1	---	---	---	---
Total trips:											22	

DRUMMOND ISLAND, MI

Inbound							Outbound					
Grand Total												
	10,814	10,784	---	15	15	---	10,816	10,784	---	16	16	---
FOREIGN												
Total	15	15	---	---	---	---	15	15	---	---	---	---
25	---	---	---	---	---	---	4	4	---	---	---	---
24	---	---	---	---	---	---	7	7	---	---	---	---
23	1	1	---	---	---	---	1	1	---	---	---	---
22	3	3	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	3	3	---	---	---	---	2	2	---	---	---	---
19	8	8	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	10,799	10,769	---	15	15	---	10,801	10,769	---	16	16	---
27	---	---	---	---	---	---	10	6	---	---	4	---
25	1	1	---	---	---	---	6	3	---	---	3	---
24	5	---	---	5	---	---	23	10	---	6	7	---
23	2	2	---	---	---	---	20	18	---	---	2	---
22	1	---	---	1	---	---	10	10	---	---	---	---
21	2	2	---	---	---	---	4	4	---	---	---	---
20	2	2	---	---	---	---	3	3	---	---	---	---
19	13	13	---	---	---	---	---	---	---	---	---	---
18	6	6	---	---	---	---	---	---	---	---	---	---
17	4	3	---	---	1	---	---	---	---	---	---	---
16	17	9	---	---	8	---	1	1	---	---	---	---
15	18	18	---	---	---	---	3	3	---	---	---	---
14	2	2	---	---	---	---	---	---	---	---	---	---
13	9	---	---	9	---	---	10	---	---	10	---	---
≤ 12	10,717	10,711	---	---	6	---	10,711	10,711	---	---	---	---
Total trips:											21,630	

ST. MARYS RIVER, MI

Upbound							Downbound					
Grand Total												
	34,444	34,117	2	138	185	2	33,589	33,316	2	102	168	1
FOREIGN												
Total	956	800	2	52	101	1	783	621	1	47	114	---
29	1	1	---	---	---	---	9	9	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ST. MARYS RIVER, MI - continued												
	Upbound						Downbound					
FOREIGN												
28	3	2	---	---	1	---	43	43	---	---	---	---
27	16	15	---	1	---	---	224	221	---	---	3	---
26	30	25	---	5	---	---	95	82	---	4	9	---
25	48	48	---	---	---	---	60	59	---	---	1	---
24	129	127	---	2	---	---	85	81	---	---	4	---
23	198	197	---	---	1	---	67	51	---	---	16	---
22	143	142	---	---	1	---	38	33	---	---	5	---
21	69	67	---	---	2	---	7	6	---	---	1	---
20	109	109	---	---	---	---	8	7	---	---	1	---
19	32	25	1	---	6	---	15	3	---	---	12	---
18	24	22	---	---	2	---	4	3	---	---	1	---
17	15	5	1	---	9	---	3	2	---	---	1	---
16	19	4	---	---	15	---	17	3	---	---	14	---
15	43	5	---	---	37	1	27	1	---	---	26	---
14	8	1	---	3	4	---	9	3	---	1	5	---
13	12	---	---	11	1	---	3	---	---	---	3	---
≤ 12	57	5	---	30	22	---	69	14	1	42	12	---
DOMESTIC												
Total	33,488	33,317	---	86	84	1	32,806	32,695	1	55	54	1
29	---	---	---	---	---	---	35	35	---	---	---	---
28	25	24	---	---	1	---	412	399	---	---	13	---
27	66	49	---	13	4	---	500	458	---	12	30	---
26	43	42	---	---	1	---	269	262	---	---	7	---
25	34	27	---	---	7	---	19	16	---	---	3	---
24	155	96	---	47	12	---	49	8	---	41	---	---
23	321	296	---	---	25	---	10	9	---	---	1	---
22	165	160	---	5	---	---	10	10	---	---	---	---
21	84	84	---	---	---	---	3	3	---	---	---	---
20	41	41	---	---	---	---	1	1	---	---	---	---
19	118	118	---	---	---	---	19	19	---	---	---	---
18	261	261	---	---	---	---	3	3	---	---	---	---
17	79	78	---	---	1	---	1	1	---	---	---	---
16	22	13	---	---	8	1	---	---	---	---	---	---
15	39	39	---	---	---	---	---	---	---	---	---	---
14	6	6	---	---	---	---	---	---	---	---	---	---
13	19	---	---	19	---	---	1	1	---	---	---	---
≤ 12	32,010	31,983	---	2	25	---	31,474	31,470	1	2	---	1
											Total trips:	68,033

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

Grand Total	Upbound						Downbound					
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
Grand Total	2,384	2,182	1	73	126	2	2,282	2,058	2	80	141	1
FOREIGN												
Total	757	663	1	19	73	1	665	552	1	25	87	---
29	1	1	---	---	---	---	9	9	---	---	---	---
28	3	2	---	---	1	---	43	43	---	---	---	---
27	10	9	---	1	---	---	223	220	---	---	3	---
26	21	17	---	4	---	---	95	82	---	4	9	---
25	23	23	---	---	---	---	59	58	---	---	1	---
24	87	85	---	2	---	---	80	76	---	---	4	---
23	172	172	---	---	---	---	53	39	---	---	14	---
22	139	138	---	---	1	---	12	8	---	---	4	---
21	62	60	---	---	2	---	3	2	---	---	1	---
20	101	101	---	---	---	---	6	5	---	---	1	---
19	24	18	1	---	5	---	2	1	---	---	1	---
18	23	21	---	---	2	---	1	1	---	---	---	---
17	12	5	---	---	7	---	3	2	---	---	1	---
16	9	3	---	---	6	---	14	---	---	---	14	---
15	41	5	---	---	35	1	21	---	---	---	21	---
14	3	---	---	1	2	---	1	1	---	---	---	---
13	1	---	---	---	1	---	2	---	---	---	2	---
≤ 12	25	3	---	11	11	---	38	5	1	21	11	---
DOMESTIC												
Total	1,627	1,519	---	54	53	1	1,617	1,506	1	55	54	1
29	---	---	---	---	---	---	35	35	---	---	---	---
28	25	24	---	---	1	---	412	399	---	---	13	---
27	56	43	---	13	---	---	500	458	---	12	30	---
26	43	42	---	---	1	---	269	262	---	---	7	---
25	27	23	---	---	4	---	17	14	---	---	3	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ST. MARYS FALLS CANAL, MI AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CN (INCLUDED IN ST. MARYS RIVER) - continued
Upbound Downbound

DOMESTIC

24	130	89	---	36	5	---	49	8	---	41	---	---
23	309	286	---	---	23	---	10	9	---	---	1	---
22	159	155	---	4	---	---	10	10	---	---	---	---
21	78	78	---	---	---	---	3	3	---	---	---	---
20	36	36	---	---	---	---	1	1	---	---	---	---
19	105	105	---	---	---	---	19	19	---	---	---	---
18	255	255	---	---	---	---	3	3	---	---	---	---
17	75	75	---	---	---	---	1	1	---	---	---	---
16	4	3	---	---	---	1	---	---	---	---	---	---
15	18	18	---	---	---	---	---	---	---	---	---	---
14	4	4	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	303	283	---	1	19	---	287	283	1	2	---	1
Total trips:											4,666	

GRAYS REEF PASSAGE, MI

Grand Total	Upbound				Downbound							
	1,532	1,087	5	217	90	133	1,021	653	6	202	45	115

FOREIGN

Total	11	11	---	---	---	---	9	9	---	---	---	---
22	1	1	---	---	---	---	---	---	---	---	---	---
21	4	4	---	---	---	---	---	---	---	---	---	---
20	3	3	---	---	---	---	---	---	---	---	---	---
16	1	1	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	2	2	---	---	---	---	8	8	---	---	---	---

DOMESTIC

Total	1,521	1,076	5	217	90	133	1,012	644	6	202	45	115
25	17	15	---	---	2	---	51	47	---	---	4	---
24	109	68	---	36	5	---	67	25	---	42	---	---
23	105	82	---	---	23	---	26	21	---	---	5	---
22	150	144	---	4	2	---	84	83	---	---	1	---
21	116	105	---	---	11	---	65	60	2	---	3	---
20	47	43	---	---	4	---	25	25	---	---	---	---
19	67	56	3	---	4	4	27	27	---	---	---	---
18	127	93	---	22	---	12	43	25	---	18	---	---
17	136	78	---	---	5	53	72	18	---	---	---	54
16	133	32	---	59	6	36	56	15	---	40	1	---
15	38	25	---	---	2	11	1	1	---	---	---	---
14	27	1	---	16	1	9	23	8	---	15	---	---
13	48	27	---	20	---	1	49	2	---	21	25	1
≤ 12	401	307	2	60	25	7	423	287	4	66	6	60
Total trips:											2,553	

CHARLEVOIX HARBOR, MI

Grand Total	Inbound				Outbound							
	903	719	---	127	57	---	882	717	---	107	58	---

FOREIGN

Total	9	9	---	---	---	---	10	10	---	---	---	---
22	---	---	---	---	---	---	1	1	---	---	---	---
21	---	---	---	---	---	---	4	4	---	---	---	---
20	---	---	---	---	---	---	3	3	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---
12	3	3	---	---	---	---	1	1	---	---	---	---
11	4	4	---	---	---	---	1	1	---	---	---	---
10	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	894	710	---	127	57	---	872	707	---	107	58	---
22	3	3	---	---	---	---	15	14	---	---	1	---
21	3	2	---	---	1	---	61	25	---	---	36	---
20	4	4	---	---	---	---	26	20	---	---	6	---
19	12	12	---	---	---	---	17	12	---	---	5	---
18	2	2	---	---	---	---	6	6	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CHARLEVOIX HARBOR, MI - continued												
	Inbound						Outbound					
DOMESTIC												
17	2	2	---	---	---	---	13	5	---	---	8	---
16	38	38	---	---	---	---	3	3	---	---	---	---
15	---	---	---	---	---	---	6	4	---	---	2	---
14	23	23	---	---	---	---	---	---	---	---	---	---
13	80	3	---	21	56	---	11	---	---	11	---	---
12	2	2	---	---	---	---	1	---	---	1	---	---
9	106	---	---	106	---	---	95	---	---	95	---	---
8	619	619	---	---	---	---	618	618	---	---	---	---
											Total trips:	1,785
TRAVERSE CITY HARBOR, MI												
	Inbound						Outbound					
Grand Total	402	282	2	60	---	58	397	283	---	57	---	57
FOREIGN												
Total	---	---	---	---	---	---	1	1	---	---	---	---
16	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	402	282	2	60	---	58	396	282	---	57	---	57
21	2	---	2	---	---	---	---	---	---	---	---	---
19	7	---	---	---	---	---	---	---	---	---	---	---
18	35	---	---	---	---	35	---	---	---	---	---	---
17	16	---	---	---	---	16	57	---	---	---	---	57
16	60	---	---	60	---	---	57	---	---	57	---	---
≤ 12	282	282	---	---	---	---	282	282	---	---	---	---
											Total trips:	799
MANISTEE HARBOR, MI												
	Inbound						Outbound					
Grand Total	50	35	---	10	---	5	46	33	---	8	---	5
FOREIGN												
Total	2	2	---	---	---	---	2	2	---	---	---	---
26	1	1	---	---	---	---	1	1	---	---	---	---
22	1	1	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	48	33	---	10	---	5	44	31	---	8	---	5
27	6	6	---	---	---	---	---	---	---	---	---	---
26	9	9	---	---	---	---	---	---	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
22	7	7	---	---	---	---	---	---	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
20	3	3	---	---	---	---	---	---	---	---	---	---
19	4	4	---	---	---	---	---	---	---	---	---	---
18	1	1	---	---	---	---	7	7	---	---	---	---
17	1	1	---	---	---	---	14	14	---	---	---	---
16	---	---	---	---	---	---	7	7	---	---	---	---
15	---	---	---	---	---	---	3	3	---	---	---	---
13	8	---	---	8	---	---	8	---	---	8	---	---
≤ 12	7	---	---	2	---	5	5	---	---	---	---	5
											Total trips:	96
LUDINGTON HARBOR, MI												
	Inbound						Outbound					
Grand Total	402	270	---	87	3	42	403	267	---	88	4	44
FOREIGN												
Total	20	11	---	1	3	5	18	6	---	2	4	6
30	1	1	---	---	---	---	---	---	---	---	---	---
27	2	---	---	---	1	1	---	---	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
LUDINGTON HARBOR, MI - continued												
	Inbound						Outbound					
FOREIGN												
25	3	3	---	---	---	---	---	---	---	---	---	---
24	6	6	---	---	---	---	6	6	---	---	---	---
23	1	1	---	---	---	---	1	---	---	---	1	---
22	1	---	---	---	1	---	---	---	---	---	---	---
20	---	---	---	---	---	---	1	---	---	---	1	---
18	---	---	---	---	---	---	2	---	---	---	---	2
17	---	---	---	---	---	---	2	---	---	---	---	2
14	---	---	---	---	---	---	1	---	---	---	1	---
≤ 12	6	---	---	1	1	4	5	---	---	2	1	2
DOMESTIC												
Total	382	259	---	86	---	37	385	261	---	86	---	38
28	2	2	---	---	---	---	---	---	---	---	---	---
27	9	9	---	---	---	---	---	---	---	---	---	---
26	20	20	---	---	---	---	1	1	---	---	---	---
25	2	2	---	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	3	3	---	---	---	---	4	4	---	---	---	---
21	---	---	---	---	---	---	3	3	---	---	---	---
20	1	1	---	---	---	---	5	5	---	---	---	---
19	1	1	---	---	---	---	3	3	---	---	---	---
18	217	217	---	---	---	---	223	223	---	---	---	---
17	2	2	---	---	---	---	18	18	---	---	---	---
16	---	---	---	---	---	---	15	2	---	---	---	13
15	---	---	---	---	---	---	3	2	---	---	---	1
14	1	---	---	1	---	---	1	---	---	1	---	---
13	9	---	---	9	---	---	6	---	---	6	---	---
≤ 12	113	---	---	76	---	37	103	---	---	79	---	24
										Total trips:		805

MUSKEGON HARBOR, MI												
	Inbound						Outbound					
Grand Total	190	170	---	9	5	6	193	175	---	10	3	5
FOREIGN												
Total	24	18	---	1	4	1	25	22	---	---	2	1
28	1	---	---	---	1	---	---	---	---	---	---	---
27	---	---	---	---	---	---	1	---	---	---	1	---
26	3	3	---	---	---	---	4	4	---	---	---	---
25	6	6	---	---	---	---	2	2	---	---	---	---
24	7	7	---	---	---	---	2	2	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	---	---	---	---	---	---	2	2	---	---	---	---
21	2	1	---	---	1	---	5	4	---	---	1	---
20	---	---	---	---	---	---	3	3	---	---	---	---
19	---	---	---	---	---	---	3	3	---	---	---	---
18	---	---	---	---	---	---	2	1	---	---	---	1
14	1	---	---	1	---	---	---	---	---	---	---	---
≤ 12	4	1	---	---	2	1	---	---	---	---	---	---
DOMESTIC												
Total	166	152	---	8	1	5	168	153	---	10	1	4
28	6	6	---	---	---	---	---	---	---	---	---	---
27	5	5	---	---	---	---	---	---	---	---	---	---
26	12	12	---	---	---	---	---	---	---	---	---	---
25	6	6	---	---	---	---	---	---	---	---	---	---
24	8	8	---	---	---	---	3	3	---	---	---	---
23	10	10	---	---	---	---	6	6	---	---	---	---
22	22	22	---	---	---	---	4	4	---	---	---	---
21	7	7	---	---	---	---	6	6	---	---	---	---
20	---	---	---	---	---	---	7	7	---	---	---	---
19	2	2	---	---	---	---	5	5	---	---	---	---
18	1	---	---	1	---	---	4	4	---	---	---	---
17	---	---	---	---	---	---	11	11	---	---	---	---
16	---	---	---	---	---	---	18	18	---	---	---	---
15	---	---	---	---	---	---	8	8	---	---	---	---
14	2	1	---	1	---	---	5	4	---	1	---	---
13	1	---	---	1	---	---	3	3	---	---	---	---
≤ 12	84	73	---	5	1	5	88	74	---	9	1	4
										Total trips:		383

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
GRAND HAVEN HARBOR AND GRAND RIVER, MI												
	Upbound						Downbound					
Grand Total	309	80	---	215	13	1	278	77	---	187	12	2
FOREIGN												
Total	20	19	---	---	1	---	20	19	---	---	1	---
25	4	3	---	---	1	---	4	3	---	---	1	---
24	---	---	---	---	---	---	1	1	---	---	---	---
23	4	4	---	---	---	---	4	4	---	---	---	---
22	7	7	---	---	---	---	6	6	---	---	---	---
21	3	3	---	---	---	---	2	2	---	---	---	---
20	2	2	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	2	2	---	---	---	---
18	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	289	61	---	215	12	1	258	58	---	187	11	2
25	1	1	---	---	---	---	---	---	---	---	---	---
24	3	3	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	16	16	---	---	---	---	3	3	---	---	---	---
21	20	14	---	---	6	---	8	8	---	---	---	---
20	8	8	---	---	---	---	7	7	---	---	---	---
19	7	7	---	---	---	---	5	5	---	---	---	---
18	5	5	---	---	---	---	17	17	---	---	---	---
17	8	6	---	---	2	---	12	12	---	---	---	---
16	---	---	---	---	---	---	5	5	---	---	---	---
15	1	1	---	---	---	---	---	---	---	---	---	---
14	4	---	---	---	---	1	---	---	---	---	---	---
13	3	---	---	3	---	---	---	---	---	2	8	---
≤ 12	213	---	---	209	4	---	186	---	---	181	3	2
											Total trips:	587
HOLLAND HARBOR, MI												
	Inbound						Outbound					
Grand Total	218	47	---	170	1	---	218	46	---	171	1	---
FOREIGN												
Total	2	2	---	---	---	---	2	2	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	1	1	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	216	45	---	170	1	---	216	44	---	171	1	---
26	17	17	---	---	---	---	---	---	---	---	---	---
25	3	3	---	---	---	---	---	---	---	---	---	---
22	6	6	---	---	---	---	---	---	---	---	---	---
17	2	2	---	---	---	---	20	20	---	---	---	---
16	---	---	---	---	---	---	6	6	---	---	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
8	169	---	---	169	---	---	170	---	---	170	---	---
7	17	17	---	---	---	---	17	17	---	---	---	---
3	1	---	---	---	1	---	1	---	---	---	1	---
2	1	---	---	1	---	---	1	---	---	1	---	---
											Total trips:	436
ST. JOSEPH HARBOR, MI												
	Upbound						Downbound					
Grand Total	50	43	---	5	2	---	47	43	---	3	1	---
DOMESTIC												
Total	50	43	---	5	2	---	47	43	---	3	1	---
26	4	4	---	---	---	---	---	---	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	13	13	---	---	---	---	---	---	---	---	---	---
21	8	8	---	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ST. JOSEPH HARBOR, MI - continued

	Upbound						Downbound					
DOMESTIC												
20	9	9	---	---	---	---	---	---	---	---	---	---
19	2	2	---	---	---	---	1	1	---	---	---	---
18	1	1	---	---	---	---	7	7	---	---	---	---
17	1	1	---	---	---	---	7	7	---	---	---	---
16	---	---	---	---	---	---	7	7	---	---	---	---
15	2	2	---	---	---	---	2	2	---	---	---	---
14	---	---	---	---	---	---	1	1	---	---	---	---
13	1	1	---	---	---	---	10	10	---	---	---	---
≤ 12	7	---	---	5	2	---	12	8	---	3	1	---
										Total trips:		97

CHEBOYGAN HARBOR, MI

	Inbound						Outbound					
Grand Total	1,034	915	1	60	---	58	1,014	915	---	44	1	54
FOREIGN												
Total	---	---	---	---	---	---	2	1	---	---	1	---
15	---	---	---	---	---	---	1	1	---	---	---	---
3	---	---	---	---	---	---	1	---	---	---	1	---
DOMESTIC												
Total	1,034	915	1	60	---	58	1,012	914	---	44	---	54
22	1	---	1	---	---	---	---	---	---	---	---	---
19	4	---	---	---	---	4	---	---	---	---	---	---
18	11	---	---	---	---	11	---	---	---	---	---	---
17	43	---	---	---	---	43	54	---	---	---	---	54
16	57	---	---	57	---	---	40	---	---	40	---	---
10	2	---	---	2	---	---	2	---	---	2	---	---
8	1	---	---	1	---	---	2	---	---	2	---	---
6	435	435	---	---	---	---	434	434	---	---	---	---
5	480	480	---	---	---	---	352	352	---	---	---	---
3	---	---	---	---	---	---	128	128	---	---	---	---
										Total trips:		2,048

MILWAUKEE HARBOR, WI

	Inbound						Outbound					
Grand Total	2,241	1,440	---	540	238	23	2,245	1,442	---	534	246	23
FOREIGN												
Total	109	91	---	---	18	---	110	92	---	---	18	---
27	33	32	---	---	1	---	6	6	---	---	---	---
26	16	12	---	---	4	---	10	10	---	---	---	---
25	3	3	---	---	---	---	6	6	---	---	---	---
24	15	14	---	---	1	---	14	14	---	---	---	---
23	15	9	---	---	6	---	22	22	---	---	---	---
22	6	5	---	---	1	---	12	12	---	---	---	---
21	4	4	---	---	---	---	3	3	---	---	---	---
20	---	---	---	---	---	---	4	3	---	---	1	---
19	6	4	---	---	2	---	2	1	---	---	1	---
18	4	3	---	---	1	---	10	9	---	---	1	---
17	---	---	---	---	---	---	8	---	---	---	8	---
16	1	1	---	---	---	---	3	1	---	---	2	---
15	1	1	---	---	---	---	5	2	---	---	3	---
13	1	---	---	---	1	---	1	---	---	---	1	---
≤ 12	4	3	---	---	1	---	4	3	---	---	1	---
DOMESTIC												
Total	2,132	1,349	---	540	220	23	2,135	1,350	---	534	228	23
28	14	14	---	---	---	---	---	---	---	---	---	---
27	7	5	---	---	2	---	1	1	---	---	---	---
26	7	7	---	---	---	---	---	---	---	---	---	---
25	12	12	---	---	---	---	1	1	---	---	---	---
24	11	8	---	3	---	---	3	---	---	2	1	---
23	5	5	---	---	---	---	---	---	---	---	---	---
22	6	6	---	---	---	---	1	1	---	---	---	---
21	13	10	---	---	3	---	19	19	---	---	---	---
20	6	5	---	---	1	---	2	2	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MILWAUKEE HARBOR, WI - continued												
	Inbound						Outbound					
DOMESTIC												
19	9	8	---	---	---	1	5	5	---	---	---	---
18	14	5	---	9	---	---	25	18	---	7	---	---
17	9	7	---	---	1	1	14	13	---	---	1	---
16	19	1	---	5	1	12	21	17	---	3	1	---
15	3	1	---	---	---	2	6	6	---	---	---	---
14	13	---	---	8	---	5	19	10	---	9	---	---
13	10	---	---	6	3	1	15	1	---	8	6	---
≤ 12	1,974	1,255	---	509	209	1	2,003	1,256	---	505	219	23
										Total trips:		4,486
PORT WASHINGTON HARBOR, WI												
	Inbound						Outbound					
Grand Total	33	33	---	---	---	---	33	33	---	---	---	---
DOMESTIC												
Total	33	33	---	---	---	---	33	33	---	---	---	---
26	16	16	---	---	---	---	---	---	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
24	2	2	---	---	---	---	---	---	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	7	7	---	---	---	---	---	---	---	---	---	---
21	5	5	---	---	---	---	16	16	---	---	---	---
20	1	1	---	---	---	---	1	1	---	---	---	---
18	---	---	---	---	---	---	4	4	---	---	---	---
17	---	---	---	---	---	---	7	7	---	---	---	---
16	---	---	---	---	---	---	3	3	---	---	---	---
15	---	---	---	---	---	---	2	2	---	---	---	---
										Total trips:		66
MANITOWOC HARBOR, WI												
	Inbound						Outbound					
Grand Total	375	233	---	102	39	1	383	233	---	112	37	1
FOREIGN												
Total	2	---	---	---	2	---	2	---	---	---	2	---
23	1	---	---	---	1	---	---	---	---	---	---	---
22	1	---	---	---	1	---	---	---	---	---	---	---
19	---	---	---	---	---	---	1	---	---	---	1	---
18	---	---	---	---	---	---	1	---	---	---	1	---
DOMESTIC												
Total	373	233	---	102	37	1	381	233	---	112	35	1
22	2	2	---	---	---	---	---	---	---	---	---	---
21	10	3	---	---	7	---	3	3	---	---	---	---
20	4	4	---	---	---	---	1	1	---	---	---	---
19	3	3	---	---	---	---	1	1	---	---	---	---
18	217	217	---	---	---	---	216	216	---	---	---	---
17	16	2	---	13	1	---	12	---	---	12	---	---
16	2	2	---	---	---	---	9	9	---	---	---	---
14	7	---	---	7	---	---	9	3	---	6	---	---
13	4	---	---	4	---	---	11	---	---	4	7	---
≤ 12	108	---	---	78	29	1	119	---	---	90	28	1
										Total trips:		758
GREEN BAY HARBOR, WI												
	Upbound						Downbound					
Grand Total	856	112	4	375	351	14	837	111	5	360	347	14
FOREIGN												
Total	25	12	4	2	7	---	16	9	4	---	3	---
26	---	---	---	---	---	---	1	1	---	---	---	---
25	4	3	1	---	---	---	1	---	1	---	---	---
24	6	5	---	---	1	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

GREEN BAY HARBOR, WI - continued

Upbound

Downbound

FOREIGN

23	7	1	---	---	6	---	3	2	1	---	---	---
22	---	---	---	---	---	---	7	6	1	---	---	---
21	3	2	1	---	---	---	1	---	1	---	---	---
20	2	1	1	---	---	---	1	---	---	---	1	---
19	1	---	1	---	---	---	---	---	---	---	---	---
17	1	---	---	1	---	---	1	---	---	---	1	---
16	---	---	---	---	---	---	1	---	---	---	1	---
13	1	---	---	1	---	---	---	---	---	---	---	---

DOMESTIC

Total	831	100	---	373	344	14	821	102	1	360	344	14
25	3	3	---	---	---	---	---	---	---	---	---	---
24	13	13	---	---	---	---	---	---	---	---	---	---
23	12	12	---	---	---	---	---	---	---	---	---	---
22	21	20	---	---	1	---	---	---	---	---	---	---
21	28	27	---	---	1	---	18	18	---	---	---	---
20	12	12	---	---	---	---	11	11	---	---	---	---
19	9	9	---	---	---	---	8	8	---	---	---	---
18	2	2	---	---	---	---	9	9	---	---	---	---
17	1	1	---	---	---	---	14	14	---	---	---	---
16	1	---	---	---	---	1	19	17	---	---	2	---
15	2	---	---	---	---	2	10	10	---	---	---	---
14	11	1	---	1	---	9	1	---	---	1	---	---
13	2	---	---	2	---	---	10	8	---	2	---	---
≤ 12	714	---	---	370	342	2	721	7	1	357	342	14

Total trips: 1,693

ALPENA HARBOR, MI

Inbound

Outbound

Grand Total	207	205	---	1	1	---	216	214	---	1	1	---
--------------------	------------	------------	------------	----------	----------	------------	------------	------------	------------	----------	----------	------------

FOREIGN

Total	23	23	---	---	---	---	18	18	---	---	---	---
25	1	1	---	---	---	---	2	2	---	---	---	---
24	---	---	---	---	---	---	2	2	---	---	---	---
23	---	---	---	---	---	---	3	3	---	---	---	---
22	1	1	---	---	---	---	4	4	---	---	---	---
21	5	5	---	---	---	---	1	1	---	---	---	---
20	4	4	---	---	---	---	---	---	---	---	---	---
19	1	1	---	---	---	---	1	1	---	---	---	---
18	1	1	---	---	---	---	5	5	---	---	---	---
17	4	4	---	---	---	---	---	---	---	---	---	---
16	2	2	---	---	---	---	---	---	---	---	---	---
≤ 12	4	4	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	184	182	---	1	1	---	198	196	---	1	1	---
27	2	2	---	---	---	---	---	---	---	---	---	---
26	14	14	---	---	---	---	7	7	---	---	---	---
25	3	3	---	---	---	---	30	30	---	---	---	---
24	---	---	---	---	---	---	38	38	---	---	---	---
23	5	5	---	---	---	---	9	9	---	---	---	---
22	17	16	---	---	1	---	36	36	---	---	---	---
21	3	3	---	---	---	---	30	30	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
19	50	50	---	---	---	---	---	---	---	---	---	---
18	25	25	---	---	---	---	10	10	---	---	---	---
17	---	---	---	---	---	---	26	25	---	---	1	---
16	---	---	---	---	---	---	9	9	---	---	---	---
15	---	---	---	---	---	---	2	2	---	---	---	---
13	34	33	---	1	---	---	1	---	---	1	---	---
≤ 12	30	30	---	---	---	---	---	---	---	---	---	---

Total trips: 423

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SAGINAW RIVER, MI												
	Upbound						Downbound					
Grand Total	351	276	1	46	14	14	393	325	1	35	16	16
FOREIGN												
Total	74	74	---	---	---	---	75	74	---	1	---	---
26	---	---	---	---	---	---	1	1	---	---	---	---
25	---	---	---	---	---	---	26	26	---	---	---	---
24	---	---	---	---	---	---	17	17	---	---	---	---
23	2	2	---	---	---	---	12	12	---	---	---	---
22	17	17	---	---	---	---	10	10	---	---	---	---
21	10	10	---	---	---	---	4	4	---	---	---	---
20	23	23	---	---	---	---	1	1	---	---	---	---
19	12	12	---	---	---	---	1	1	---	---	---	---
18	6	6	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	1	1	---	---	---	---
15	3	3	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	2	1	---	1	---	---
≤ 12	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	277	202	1	46	14	14	318	251	1	34	16	16
27	---	---	---	---	---	---	7	6	---	---	1	---
26	---	---	---	---	---	---	54	54	---	---	---	---
25	---	---	---	---	---	---	10	10	---	---	---	---
24	5	---	---	5	---	---	21	14	---	5	2	---
23	---	---	---	---	---	---	11	4	---	---	7	---
22	1	1	---	---	---	---	79	78	---	---	1	---
21	---	---	---	---	---	---	38	34	---	---	4	---
20	3	3	---	---	---	---	15	15	---	---	---	---
19	13	13	---	---	---	---	5	4	1	---	---	---
18	18	15	---	3	---	---	7	2	---	3	---	2
17	88	88	---	---	---	---	24	23	---	---	---	1
16	62	53	---	---	9	---	16	5	---	---	---	11
15	21	21	---	---	---	---	2	2	---	---	---	---
14	---	---	---	---	---	---	10	---	---	1	---	1
13	14	5	---	9	---	---	10	---	---	10	---	---
≤ 12	52	3	1	29	5	14	17	---	---	15	1	---
											Total trips:	744
ST. CLAIR RIVER, MI												
	Upbound						Downbound					
Grand Total	3,718	2,959	68	280	330	81	3,340	2,631	48	271	298	92
FOREIGN												
Total	1,917	1,496	58	108	246	9	1,494	1,131	40	99	215	9
30	1	1	---	---	---	---	2	2	---	---	---	---
29	46	40	4	---	---	2	38	28	10	---	---	---
28	112	102	10	---	---	---	47	42	3	---	2	---
27	188	186	1	1	---	---	307	303	---	---	4	---
26	68	61	2	4	1	---	194	183	2	4	5	---
25	101	97	3	---	1	---	62	54	5	---	3	---
24	255	246	6	2	1	---	78	75	1	---	2	---
23	196	192	---	---	4	---	119	107	2	2	8	---
22	112	106	5	---	1	---	102	96	1	---	5	---
21	120	116	3	---	1	---	53	50	2	---	1	---
20	137	132	3	---	2	---	68	56	3	---	8	1
19	72	61	3	1	7	---	33	20	4	---	9	---
18	52	37	2	5	8	---	57	37	---	1	19	---
17	17	6	3	1	7	---	27	6	---	4	15	2
16	39	20	2	12	5	---	41	13	---	8	20	---
15	51	8	1	2	39	1	56	23	2	---	31	---
14	12	1	4	2	5	---	5	1	---	---	4	---
13	5	1	2	1	1	---	5	1	---	---	4	---
≤ 12	333	83	4	77	163	6	200	34	5	80	75	6
DOMESTIC												
Total	1,801	1,463	10	172	84	72	1,846	1,500	8	172	83	83
29	---	---	---	---	---	---	17	17	---	---	---	---
28	19	19	---	---	---	---	269	266	---	---	3	---
27	29	20	---	5	4	---	427	408	---	5	14	---
26	66	65	---	---	1	---	369	363	---	---	6	---
25	11	11	---	---	---	---	106	91	---	---	15	---
24	44	17	---	25	2	---	99	61	---	25	13	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ST. CLAIR RIVER, MI - continued

	Upbound						Downbound					
DOMESTIC												
23	224	209	---	---	15	---	74	71	---	---	3	---
22	107	100	3	2	2	---	116	115	---	---	1	---
21	127	117	2	---	8	---	63	52	---	---	11	---
20	65	65	---	---	---	---	26	22	---	---	4	---
19	162	161	1	---	---	---	21	14	3	---	4	---
18	340	316	---	21	1	2	29	3	---	25	---	1
17	158	155	---	---	2	1	17	2	---	---	5	10
16	88	78	---	---	10	---	27	1	---	2	---	24
15	86	86	---	---	---	---	14	1	---	---	2	11
14	31	18	---	13	---	---	23	---	---	14	1	8
13	66	3	---	37	25	1	38	---	---	37	---	1
≤ 12	178	23	4	69	14	68	111	13	5	64	1	28
										Total trips:		7,058

PORT HURON, MI

	Inbound						Outbound					
FOREIGN												
Grand Total	43	25	1	2	14	1	44	27	1	2	13	1
Total	21	6	---	1	14	---	22	8	---	1	13	---
27	---	---	---	---	---	---	1	1	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
16	3	3	---	---	---	---	2	2	---	---	---	---
15	---	---	---	---	---	---	3	3	---	---	---	---
14	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	17	2	---	1	14	---	15	1	---	1	13	---
										Total trips:		87
DOMESTIC												
Total	22	19	1	1	---	1	22	19	1	1	---	1
27	3	3	---	---	---	---	---	---	---	---	---	---
26	7	7	---	---	---	---	---	---	---	---	---	---
25	3	3	---	---	---	---	---	---	---	---	---	---
22	6	6	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	2	2	---	---	---	---
17	---	---	---	---	---	---	10	10	---	---	---	---
16	---	---	---	---	---	---	6	6	---	---	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	3	---	1	1	---	1	3	---	1	1	---	1

MARYSVILLE, MI

	Inbound						Outbound					
FOREIGN												
Grand Total	65	59	---	2	4	---	65	60	---	2	3	---
Total	18	14	---	1	3	---	20	15	---	2	3	---
27	7	7	---	---	---	---	2	2	---	---	---	---
26	4	4	---	---	---	---	---	---	---	---	---	---
25	2	2	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	1	1	---	---	---	---
23	---	---	---	---	---	---	2	2	---	---	---	---
21	1	1	---	---	---	---	3	3	---	---	---	---
20	---	---	---	---	---	---	4	4	---	---	---	---
19	---	---	---	---	---	---	3	3	---	---	---	---
≤ 12	4	---	---	1	3	---	5	---	---	2	3	---
										Total trips:		---
DOMESTIC												
Total	47	45	---	1	1	---	45	45	---	---	---	---
27	6	6	---	---	---	---	---	---	---	---	---	---
26	16	16	---	---	---	---	---	---	---	---	---	---
25	3	3	---	---	---	---	---	---	---	---	---	---
24	4	3	---	1	---	---	---	---	---	---	---	---
23	3	3	---	---	---	---	---	---	---	---	---	---
22	6	6	---	---	---	---	---	---	---	---	---	---
21	4	4	---	---	---	---	---	---	---	---	---	---
20	3	3	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	4	4	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MARYSVILLE, MI - continued												
	Inbound						Outbound					
DOMESTIC												
18	2	1	---	---	1	---	6	6	---	---	---	---
17	---	---	---	---	---	---	14	14	---	---	---	---
16	---	---	---	---	---	---	3	3	---	---	---	---
15	---	---	---	---	---	---	16	16	---	---	---	---
14	---	---	---	---	---	---	2	2	---	---	---	---
	Total trips:										130	
ST. CLAIR, MI												
	Inbound						Outbound					
Grand Total	162	120	2	19	2	19	163	121	---	20	3	19
FOREIGN												
Total	2	---	---	---	2	---	6	2	---	1	3	---
15	---	---	---	---	---	---	2	2	---	---	---	---
≤ 12	2	---	---	---	2	---	4	---	---	1	3	---
DOMESTIC												
Total	160	120	2	19	---	19	157	119	---	19	---	19
28	50	50	---	---	---	---	1	1	---	---	---	---
27	53	53	---	---	---	---	15	15	---	---	---	---
26	8	8	---	---	---	---	5	5	---	---	---	---
25	---	---	---	---	---	---	4	4	---	---	---	---
23	1	1	---	---	---	---	25	25	---	---	---	---
22	5	3	2	---	---	---	19	19	---	---	---	---
21	2	2	---	---	---	---	17	17	---	---	---	---
20	1	1	---	---	---	---	12	12	---	---	---	---
19	2	2	---	---	---	---	13	13	---	---	---	---
18	---	---	---	---	---	---	5	5	---	---	---	---
16	---	---	---	---	---	---	2	2	---	---	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	38	---	---	19	---	19	38	---	---	19	---	19
	Total trips:										325	
MARINE CITY, MI												
	Inbound						Outbound					
Grand Total	93	91	---	1	1	---	93	91	---	1	1	---
DOMESTIC												
Total	93	91	---	1	1	---	93	91	---	1	1	---
29	10	10	---	---	---	---	---	---	---	---	---	---
28	20	20	---	---	---	---	---	---	---	---	---	---
27	21	21	---	---	---	---	---	---	---	---	---	---
26	24	24	---	---	---	---	---	---	---	---	---	---
25	3	3	---	---	---	---	---	---	---	---	---	---
24	1	---	---	1	---	---	1	---	---	1	---	---
23	---	---	---	---	---	---	53	53	---	---	---	---
22	9	9	---	---	---	---	---	---	---	---	---	---
21	1	---	---	---	1	---	2	2	---	---	---	---
18	---	---	---	---	---	---	6	5	---	---	1	---
17	---	---	---	---	---	---	13	13	---	---	---	---
16	---	---	---	---	---	---	9	9	---	---	---	---
15	---	---	---	---	---	---	5	5	---	---	---	---
7	4	4	---	---	---	---	4	4	---	---	---	---
	Total trips:										186	
CHANNELS IN LAKE ST. CLAIR												
	Upbound						Downbound					
Grand Total	3,129	2,532	53	234	231	79	2,883	2,288	35	241	230	89
FOREIGN												
Total	1,542	1,280	43	63	148	8	1,274	1,024	28	69	147	6
30	1	1	---	---	---	---	1	1	---	---	---	---
29	30	24	4	---	---	2	37	28	9	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CHANNELS IN LAKE ST. CLAIR - continued

	Upbound						Downbound					
FOREIGN												
28	72	62	10	---	---	---	45	42	2	---	1	---
27	166	164	1	1	---	---	286	282	---	---	4	---
26	62	55	2	4	1	---	169	158	2	4	5	---
25	97	93	3	---	1	---	56	51	3	---	2	---
24	220	213	4	2	1	---	67	64	1	---	2	---
23	182	178	---	---	4	---	105	97	---	1	7	---
22	88	86	1	---	1	---	91	86	1	---	4	---
21	100	98	1	---	1	---	51	48	2	---	1	---
20	118	114	3	---	1	---	62	52	3	---	6	1
19	58	50	1	1	6	---	28	20	2	---	6	---
18	39	32	1	4	2	---	46	35	---	1	10	---
17	13	6	2	1	4	---	19	4	---	2	12	1
16	23	14	1	5	3	---	28	6	---	4	18	---
15	44	6	1	1	35	1	46	18	---	---	28	---
14	9	1	3	1	4	---	4	---	---	---	4	---
13	4	1	1	1	1	---	4	1	---	---	3	---
≤ 12	216	82	4	42	83	5	129	31	3	57	34	4
DOMESTIC												
Total	1,587	1,252	10	171	83	71	1,609	1,264	7	172	83	83
29	---	---	---	---	---	---	7	7	---	---	---	---
28	19	19	---	---	---	---	198	195	---	---	3	---
27	28	19	---	5	4	---	344	325	---	5	14	---
26	66	65	---	---	1	---	321	315	---	---	6	---
25	11	11	---	---	---	---	99	84	---	---	15	---
24	43	17	---	24	2	---	99	61	---	25	13	---
23	156	141	---	---	15	---	74	71	---	---	3	---
22	92	85	3	2	2	---	98	97	---	---	1	---
21	119	109	2	---	8	---	62	51	---	---	11	---
20	57	57	---	---	---	---	27	23	---	---	4	---
19	152	151	1	---	---	---	21	14	3	---	4	---
18	321	298	---	21	---	2	29	3	---	25	---	1
17	121	118	---	---	2	1	17	2	---	---	5	10
16	68	58	---	---	10	---	27	1	---	2	---	24
15	63	63	---	---	---	---	14	1	---	---	2	11
14	29	16	---	13	---	---	23	---	---	14	1	8
13	66	3	---	37	25	1	38	---	---	37	---	1
≤ 12	176	22	4	69	14	67	111	14	4	64	1	28
Total trips:											6,012	

DETROIT RIVER, MI

	Upbound						Downbound					
Grand Total	5,465	4,113	70	554	405	323	5,259	3,933	58	568	437	263
FOREIGN												
Total	2,422	1,856	48	197	310	11	2,262	1,652	41	221	341	7
30	2	2	---	---	---	---	1	1	---	---	---	---
29	30	24	4	---	---	2	41	32	9	---	---	---
28	72	62	10	---	---	---	46	43	2	---	1	---
27	214	212	1	1	---	---	314	306	---	---	8	---
26	134	126	2	5	1	---	215	202	2	5	6	---
25	110	105	3	---	2	---	74	69	3	---	2	---
24	287	279	5	2	1	---	160	155	2	1	2	---
23	277	271	---	---	6	---	200	192	---	1	7	---
22	117	114	1	1	1	---	144	139	1	---	4	---
21	115	112	1	---	2	---	122	109	2	---	11	---
20	138	132	3	---	3	---	108	71	11	---	25	1
19	69	60	1	1	7	---	46	32	4	---	10	---
18	55	46	1	4	4	---	64	50	---	1	13	---
17	19	9	2	2	6	---	39	12	1	2	23	1
16	28	17	2	5	4	---	38	11	---	5	22	---
15	56	9	2	1	43	1	56	19	---	---	36	1
14	19	2	3	2	10	2	5	---	---	1	4	---
13	13	5	2	2	4	---	7	1	---	1	5	---
≤ 12	667	269	5	171	216	6	582	208	4	204	162	4
DOMESTIC												
Total	3,043	2,257	22	357	95	312	2,997	2,281	17	347	96	256
29	---	---	---	---	---	---	7	7	---	---	---	---
28	19	19	---	---	---	---	198	195	---	---	3	---
27	33	22	---	5	6	---	345	326	---	5	14	---
26	72	71	---	---	1	---	323	317	---	---	6	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
DETROIT RIVER, MI - continued												
	Upbound						Downbound					
DOMESTIC												
25	18	18	---	---	---	---	101	85	---	---	16	---
24	61	32	---	27	2	---	101	61	---	27	13	---
23	186	171	---	---	15	---	77	74	---	---	3	---
22	116	108	3	2	3	---	99	98	---	---	1	---
21	133	121	2	---	10	---	65	54	---	---	11	---
20	58	58	---	---	---	---	30	26	---	---	4	---
19	162	157	4	---	1	---	40	21	4	---	4	11
18	387	304	---	81	---	2	191	76	---	88	---	27
17	122	119	---	---	2	1	25	5	---	---	7	13
16	72	62	---	---	10	---	42	6	---	2	5	29
15	64	63	---	---	---	1	41	20	---	---	2	19
14	39	16	---	22	---	1	34	2	---	17	1	14
13	78	3	---	42	31	2	57	1	---	50	3	3
≤ 12	1,423	913	13	178	14	305	1,221	907	13	158	3	140
										Total trips:		10,724
DETROIT HARBOR, MI												
	Inbound						Outbound					
Grand Total	1,344	1,165	5	68	55	51	1,372	1,161	8	88	54	61
FOREIGN												
Total	218	185	4	12	16	1	220	180	6	17	17	---
28	5	5	---	---	---	---	---	---	---	---	---	---
27	36	36	---	---	---	---	4	4	---	---	---	---
26	42	42	---	---	---	---	5	4	---	1	---	---
25	3	2	---	---	1	---	9	9	---	---	---	---
24	51	50	1	---	---	---	81	78	1	2	---	---
23	13	13	---	---	---	---	32	32	---	---	---	---
22	15	14	---	1	---	---	16	16	---	---	---	---
21	1	1	---	---	---	---	5	5	---	---	---	---
20	5	4	---	---	1	---	13	9	3	---	1	---
19	4	3	1	---	---	---	3	2	---	---	1	---
18	7	7	---	---	---	---	15	14	1	---	---	---
17	2	1	---	---	1	---	2	2	---	---	---	---
16	1	---	---	---	1	---	3	1	---	1	1	---
15	1	1	---	---	---	---	2	---	---	---	2	---
14	1	---	---	---	1	---	2	---	---	1	1	---
13	1	---	---	---	1	---	1	---	---	1	---	---
≤ 12	30	6	2	11	10	1	27	4	1	11	11	---
DOMESTIC												
Total	1,126	980	1	56	39	50	1,152	981	2	71	37	61
29	4	4	---	---	---	---	---	---	---	---	---	---
28	22	22	---	---	---	---	---	---	---	---	---	---
27	13	10	---	---	3	---	2	2	---	---	---	---
26	9	6	---	---	3	---	2	2	---	---	---	---
25	19	8	---	---	11	---	2	1	---	---	1	---
24	33	21	---	10	2	---	9	---	---	9	---	---
23	29	29	---	---	---	---	22	22	---	---	---	---
22	22	22	---	---	---	---	7	5	---	2	---	---
21	20	12	---	---	8	---	7	6	---	---	1	---
20	5	2	---	---	3	---	6	6	---	---	---	---
19	4	3	1	---	---	---	10	10	---	---	---	---
18	6	5	---	1	---	---	73	71	---	2	---	---
17	4	1	---	---	1	2	9	7	---	---	2	---
16	3	3	---	---	---	---	11	5	---	---	6	---
15	2	---	---	---	2	---	1	1	---	---	---	---
14	---	---	---	---	---	---	5	5	---	---	---	---
13	17	---	---	11	6	---	31	2	---	12	17	---
≤ 12	914	832	---	34	---	48	955	836	2	46	10	61
										Total trips:		2,716
ROUGE RIVER, MI												
	Inbound						Outbound					
Grand Total	1,239	389	19	385	191	255	1,180	389	16	360	176	239
FOREIGN												
Total	412	60	3	165	184	---	398	61	7	160	169	1

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ROUGE RIVER, MI - continued												
	Inbound						Outbound					
FOREIGN												
28	2	1	---	---	1	---	---	---	---	---	---	---
27	14	14	---	---	---	---	4	---	---	1	3	---
26	42	33	---	5	4	---	6	1	---	4	1	---
25	4	3	---	---	1	---	1	1	---	---	---	---
24	5	5	---	---	---	---	11	11	---	---	---	---
23	---	---	---	---	---	---	18	18	---	---	---	---
22	1	---	---	---	1	---	3	3	---	---	---	---
21	5	3	---	---	2	---	2	1	---	---	1	---
20	---	---	---	---	---	---	19	5	5	---	9	---
19	1	---	1	---	---	---	19	12	2	---	5	---
18	4	1	---	---	3	---	6	3	---	---	3	---
17	2	---	---	---	2	---	3	3	---	---	---	---
16	12	---	---	---	12	---	6	2	---	1	3	---
15	12	---	1	---	11	---	18	---	---	---	17	1
14	1	---	---	---	1	---	---	---	---	---	---	---
13	3	---	1	---	2	---	---	---	---	---	---	---
≤ 12	304	---	---	160	144	---	282	1	---	154	127	---
DOMESTIC												
Total	827	329	16	220	7	255	782	328	9	200	7	238
28	31	31	---	---	---	---	---	---	---	---	---	---
27	78	76	---	---	2	---	1	1	---	---	---	---
26	47	47	---	---	---	---	---	---	---	---	---	---
25	21	20	---	---	1	---	3	3	---	---	---	---
24	34	31	---	3	---	---	3	---	---	3	---	---
23	25	25	---	---	---	---	26	26	---	---	---	---
22	26	25	---	---	1	---	2	1	1	---	---	---
21	13	12	---	---	1	---	6	6	---	---	---	---
20	4	4	---	---	---	---	3	3	---	---	---	---
19	12	6	5	---	1	---	22	10	1	---	11	---
18	75	2	---	71	---	2	248	155	---	67	---	26
17	2	---	---	---	---	2	23	18	---	---	1	4
16	12	3	---	1	---	8	32	24	---	---	3	5
15	8	---	---	---	---	8	37	32	---	---	---	5
14	18	---	---	11	1	6	16	3	---	9	---	4
13	11	1	---	7	---	3	8	---	---	7	---	1
≤ 12	410	46	11	127	---	226	352	46	7	114	3	182
										Total trips:		2,419
ECORSE, MI												
	Inbound						Outbound					
Grand Total	114	100	2	6	6	---	115	97	1	9	7	1
FOREIGN												
Total	112	98	2	6	6	---	110	95	1	7	7	---
23	71	70	---	---	1	---	30	29	---	---	1	---
22	2	2	---	---	---	---	2	2	---	---	---	---
21	11	11	---	---	---	---	48	48	---	---	---	---
20	3	3	---	---	---	---	4	4	---	---	---	---
18	1	1	---	---	---	---	---	---	---	---	---	---
17	1	---	1	---	---	---	1	---	1	---	---	---
16	6	2	1	---	3	---	2	2	---	---	---	---
15	1	---	---	---	1	---	---	---	---	---	---	---
14	2	1	---	1	---	---	1	---	---	1	---	---
≤ 12	14	8	---	5	1	---	22	10	---	6	6	---
DOMESTIC												
Total	2	2	---	---	---	---	5	2	---	2	---	1
22	1	1	---	---	---	---	---	---	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	2	2	---	---	---	---
≤ 12	---	---	---	---	---	---	3	---	---	2	---	1
										Total trips:		229

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PORT OF DETROIT, MI												
Grand Total				Inbound						Outbound		
	2,786	1,740	26	458	252	310	2,500	1,630	25	418	237	190
FOREIGN												
Total	745	346	9	183	206	1	733	339	14	185	194	1
28	7	6	---	---	1	---	---	---	---	---	---	---
27	50	50	---	---	---	---	8	4	---	1	3	---
26	84	75	---	5	4	---	11	5	---	5	1	---
25	7	5	---	---	2	---	10	10	---	---	---	---
24	56	55	1	---	---	---	92	89	1	2	---	---
23	84	83	---	---	1	---	80	79	---	---	1	---
22	18	16	---	1	1	---	21	21	---	---	---	---
21	17	15	---	---	2	---	56	55	---	---	1	---
20	8	7	---	---	1	---	36	18	8	---	10	---
19	5	3	2	---	---	---	22	14	2	---	6	---
18	13	10	---	---	3	---	21	17	1	---	3	---
17	7	3	1	---	3	---	6	5	1	---	---	---
16	19	2	1	---	16	---	12	6	---	2	4	---
15	14	1	1	---	12	---	21	1	---	---	19	1
14	4	1	---	1	2	---	3	---	---	2	1	---
13	4	---	1	---	3	---	1	---	---	1	---	---
≤ 12	348	14	2	176	155	1	333	15	1	172	145	---
DOMESTIC												
Total	2,041	1,394	17	275	46	309	1,767	1,291	11	233	43	189
29	4	4	---	---	---	---	---	---	---	---	---	---
28	53	53	---	---	---	---	---	---	---	---	---	---
27	94	89	---	---	5	---	2	2	---	---	---	---
26	63	60	---	---	3	---	1	1	---	---	---	---
25	40	28	---	---	12	---	2	2	---	---	---	---
24	67	52	---	13	2	---	12	---	---	12	---	---
23	54	54	---	---	---	---	48	48	---	---	---	---
22	52	51	---	---	1	---	8	5	1	2	---	---
21	33	24	---	---	9	---	13	12	---	---	1	---
20	9	6	---	---	3	---	9	9	---	---	---	---
19	18	11	6	---	1	---	30	18	1	---	---	11
18	82	8	---	72	---	2	320	228	---	66	---	26
17	6	1	---	---	1	4	34	27	---	---	3	4
16	15	5	---	1	---	9	45	32	---	---	9	4
15	10	---	---	---	2	8	44	39	---	---	---	5
14	18	---	---	11	1	6	21	8	---	9	---	4
13	27	1	---	17	6	3	39	1	---	20	17	1
≤ 12	1,396	947	11	161	---	277	1,139	859	9	124	13	134
											Total trips:	5,286
MONROE HARBOR, MI												
Grand Total				Inbound						Outbound		
	78	61	---	11	3	3	81	60	---	12	6	3
FOREIGN												
Total	6	---	---	3	3	---	9	---	---	3	6	---
18	1	---	---	---	1	---	1	---	---	---	1	---
17	3	---	---	1	2	---	---	---	---	---	---	---
10	2	---	---	2	---	---	3	---	---	3	---	---
6	---	---	---	---	---	---	1	---	---	---	1	---
3	---	---	---	---	---	---	3	---	---	---	3	---
2	---	---	---	---	---	---	1	---	---	---	1	---
DOMESTIC												
Total	72	61	---	8	---	3	72	60	---	9	---	3
28	1	1	---	---	---	---	---	---	---	---	---	---
27	13	13	---	---	---	---	---	---	---	---	---	---
26	5	5	---	---	---	---	---	---	---	---	---	---
25	4	4	---	---	---	---	---	---	---	---	---	---
23	10	10	---	---	---	---	16	16	---	---	---	---
22	5	5	---	---	---	---	16	16	---	---	---	---
21	12	12	---	---	---	---	1	1	---	---	---	---
20	4	4	---	---	---	---	1	1	---	---	---	---
19	7	7	---	---	---	---	4	4	---	---	---	---
18	6	---	---	3	---	3	5	3	---	2	---	---
17	---	---	---	---	---	---	15	15	---	---	---	---
14	---	---	---	---	---	---	4	4	---	---	---	---
9	1	---	---	1	---	---	3	---	---	3	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MONROE HARBOR, MI - continued												
	Inbound						Outbound					
DOMESTIC												
8	1	---	---	1	---	---	1	---	---	1	---	---
6	2	---	---	2	---	---	3	---	---	3	---	---
5	1	---	---	1	---	---	2	---	---	---	---	2
4	---	---	---	---	---	---	1	---	---	---	---	1
	Total trips:										159	
CALCITE, MI												
	Inbound						Outbound					
Grand Total	451	411	---	19	21	---	447	407	---	20	20	---
FOREIGN												
Total	75	74	---	---	1	---	74	74	---	---	---	---
28	---	---	---	---	---	---	1	1	---	---	---	---
27	---	---	---	---	---	---	21	21	---	---	---	---
26	---	---	---	---	---	---	33	33	---	---	---	---
25	2	2	---	---	---	---	4	4	---	---	---	---
24	11	11	---	---	---	---	7	7	---	---	---	---
23	22	22	---	---	---	---	6	6	---	---	---	---
22	23	23	---	---	---	---	1	1	---	---	---	---
21	2	2	---	---	---	---	1	1	---	---	---	---
20	9	9	---	---	---	---	---	---	---	---	---	---
19	4	4	---	---	---	---	---	---	---	---	---	---
18	1	1	---	---	---	---	---	---	---	---	---	---
4	1	---	---	---	1	---	---	---	---	---	---	---
DOMESTIC												
Total	376	337	---	19	20	---	373	333	---	20	20	---
28	1	1	---	---	---	---	8	7	---	---	1	---
27	9	1	---	8	---	---	73	65	---	8	---	---
26	1	1	---	---	---	---	89	85	---	---	4	---
25	1	---	---	---	1	---	52	47	---	---	5	---
24	10	2	---	6	2	---	31	21	---	7	3	---
23	9	1	---	---	8	---	32	26	---	---	6	---
22	18	18	---	---	---	---	70	70	---	---	---	---
21	53	53	---	---	---	---	3	3	---	---	---	---
20	22	22	---	---	---	---	2	2	---	---	---	---
19	19	19	---	---	---	---	1	1	---	---	---	---
18	57	57	---	---	---	---	---	---	---	---	---	---
17	103	103	---	---	---	---	1	1	---	---	---	---
16	45	41	---	---	4	---	4	4	---	---	---	---
15	18	18	---	---	---	---	1	1	---	---	---	---
14	1	---	---	1	---	---	1	---	---	1	---	---
13	4	---	---	4	---	---	4	---	---	4	---	---
9	5	---	---	---	5	---	---	---	---	---	---	---
3	---	---	---	---	---	---	1	---	---	---	1	---
	Total trips:										898	
ESCANABA, MI												
	Inbound						Outbound					
Grand Total	320	272	---	26	22	---	325	274	---	27	24	---
FOREIGN												
Total	1	1	---	---	---	---	1	1	---	---	---	---
23	1	1	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	319	271	---	26	22	---	324	273	---	27	24	---
31	---	---	---	---	---	---	14	14	---	---	---	---
30	---	---	---	---	---	---	38	38	---	---	---	---
29	---	---	---	---	---	---	16	16	---	---	---	---
28	1	1	---	---	---	---	37	37	---	---	---	---
27	---	---	---	---	---	---	71	49	---	---	22	---
26	8	8	---	---	---	---	69	68	---	---	1	---
25	9	8	---	---	1	---	12	12	---	---	---	---
24	32	15	---	17	---	---	22	1	---	21	---	---
23	11	11	---	---	---	---	---	---	---	---	---	---
22	11	9	---	2	---	---	8	7	---	---	1	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ESCANABA, MI - continued

Inbound							Outbound					
DOMESTIC												
21	89	89	---	---	---	---	16	16	---	---	---	---
20	34	34	---	---	---	---	6	6	---	---	---	---
19	13	13	---	---	---	---	---	---	---	---	---	---
18	64	64	---	---	---	---	5	5	---	---	---	---
17	9	7	---	1	---	1	5	4	---	1	---	---
16	10	8	---	---	---	2	---	---	---	---	---	---
15	3	3	---	---	---	---	---	---	---	---	---	---
13	6	---	---	6	---	---	5	---	---	5	---	---
12	1	1	---	---	---	---	---	---	---	---	---	---
9	18	---	---	---	---	18	---	---	---	---	---	---
Total trips:											645	

STONEPORT, MI

Inbound							Outbound					
Grand Total	386	343	---	21	22	---	392	345	---	23	24	---
FOREIGN												
Total	24	23	---	---	1	---	21	20	---	---	1	---
27	---	---	---	---	---	---	10	9	---	---	1	---
26	---	---	---	---	---	---	10	10	---	---	---	---
25	2	2	---	---	---	---	---	---	---	---	---	---
24	3	3	---	---	---	---	---	---	---	---	---	---
23	3	3	---	---	---	---	---	---	---	---	---	---
22	4	3	---	---	1	---	1	1	---	---	---	---
21	8	8	---	---	---	---	---	---	---	---	---	---
20	2	2	---	---	---	---	---	---	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
9	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	362	320	---	21	21	---	371	325	---	23	23	---
28	---	---	---	---	---	---	2	2	---	---	---	---
27	1	1	---	---	---	---	49	44	---	---	5	---
26	5	5	---	---	---	---	125	123	---	---	2	---
25	4	4	---	---	---	---	48	38	---	---	10	---
24	5	---	---	5	---	---	27	15	---	7	5	---
23	3	2	---	---	1	---	22	21	---	---	1	---
22	9	8	---	1	---	---	49	49	---	---	---	---
21	19	19	---	---	---	---	18	18	---	---	---	---
20	11	11	---	---	---	---	8	8	---	---	---	---
19	28	28	---	---	---	---	2	2	---	---	---	---
18	55	55	---	---	---	---	---	---	---	---	---	---
17	96	94	---	---	2	---	---	---	---	---	---	---
16	68	56	---	---	12	---	---	---	---	---	---	---
15	35	35	---	---	---	---	5	5	---	---	---	---
13	16	1	---	15	---	---	16	---	---	16	---	---
12	1	1	---	---	---	---	---	---	---	---	---	---
9	6	---	---	---	6	---	---	---	---	---	---	---
Total trips:											778	

ALGOMA HARBOR, WI
No Vessel Trips Reported

ALGONAC, MI
(7 feet and less)

Inbound							Outbound					
Grand Total	2	2	---	---	---	---	2	2	---	---	---	---
Total trips:											4	

ASHLAND HARBOR, WI
(28 feet and less)

Inbound							Outbound					
Grand Total	6	6	---	---	---	---	6	6	---	---	---	---
Total trips:											12	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
AU SABLE HARBOR AND RIVER (OSCODA), MI No Vessel Trips Reported												
BAYFIELD HARBOR, WI (8 feet and less)												
				Inbound							Outbound	
Grand Total	5,598	5,598	---	---	---	---	5,597	5,597	---	---	---	---
										Total trips:	---	11,195
BEAVER BAY HARBOR, MN No Vessel Trips Reported												
BIG BAY HARBOR, MI No Vessel Trips Reported												
BLACK RIVER HARBOR, MI No Vessel Trips Reported												
CASEVILLE, MI (8 feet and less)												
				Inbound							Outbound	
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	---	2
CEDAR RIVER HARBOR, MI No Vessel Trips Reported												
CHIPPEWA HARBOR (ISLE ROYALE), MI No Vessel Trips Reported												
CORNUCOPIA HARBOR, WI No Vessel Trips Reported												
DETOUR, MI AND VICINITY (25 feet and less)												
				Inbound							Outbound	
Grand Total	10,717	10,717	---	---	---	---	10,716	10,716	---	---	---	---
										Total trips:	---	21,433
DETROIT HARBOR, WI (8 feet and less)												
				Inbound							Outbound	
Grand Total	4,038	4,038	---	---	---	---	4,038	4,038	---	---	---	---
										Total trips:	---	8,076
EAGLE HARBOR, MI No Vessel Trips Reported												
FRANKFORT HARBOR, MI (18 feet and less)												
				Inbound							Outbound	
Grand Total	43	---	---	32	2	9	47	---	---	38	2	7
										Total trips:	---	90
GLADSTONE HARBOR, MI (22 feet and less)												
				Inbound							Outbound	
Grand Total	9	6	---	1	---	2	12	7	---	3	---	2
										Total trips:	---	21
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MI No Vessel Trips Reported												

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
GRAND MARAIS HARBOR, MN No Vessel Trips Reported												
GRAND TRAVERSE BAY HARBOR, MI (8 feet and less)												
				Inbound							Outbound	
Grand Total	282	282	---	---	---	---	282	282	---	---	---	---
										Total trips:		564
HARBOR BEACH, MI (HARBOR OF REFUGE, LAKE HURON) (22 feet and less)												
				Inbound							Outbound	
Grand Total	5	5	---	---	---	---	5	5	---	---	---	---
										Total trips:		10
HARRISVILLE HARBOR, MI (HARBOR OF REFUGE, LAKE HURON) No Vessel Trips Reported												
KENOSHA HARBOR, WI No Vessel Trips Reported												
KEWAUNEE HARBOR, WI No Vessel Trips Reported												
KEWEENAW WATERWAY, MI (12 feet and less)												
				Upbound							Downbound	
Grand Total	70	69	---	---	1	---	74	69	---	---	2	3
										Total trips:		144
KNIFE RIVER HARBOR, MN No Vessel Trips Reported												
LA POINTE HARBOR, WI (8 feet and less)												
				Inbound							Outbound	
Grand Total	5,327	5,327	---	---	---	---	5,327	5,327	---	---	---	---
										Total trips:		10,654
LAC LA BELLE HARBOR, MI No Vessel Trips Reported												
LELAND HARBOR, MI (6 feet and less)												
				Inbound							Outbound	
Grand Total	179	179	---	---	---	---	179	179	---	---	---	---
										Total trips:		358
LIME ISLAND, MI No Vessel Trips Reported												
LUTSEN HARBOR, MN No Vessel Trips Reported												
MACKINAC HARBOR, MI (11 feet and less)												
				Inbound							Outbound	
Grand Total	12,859	12,859	---	---	---	---	13,311	13,311	---	---	---	---
										Total trips:		26,170

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MACKINAW CITY HARBOR, MI (8 feet and less)												
				Inbound						Outbound		
Grand Total	4,402	4,402	---	---	---	---	4,451	4,451	---	---	---	---
										Total trips:	---	8,853
MANISTIQUE HARBOR, MI (7 feet and less)												
				Inbound						Outbound		
Grand Total	24	---	---	12	---	12	24	---	---	12	---	12
										Total trips:	---	48
MENOMINEE HARBOR AND RIVER, MI AND WI (27 feet and less)												
				Inbound						Outbound		
Grand Total	31	27	---	2	2	---	29	26	---	1	2	---
										Total trips:	2	60
NEW BUFFALO HARBOR, MI No Vessel Trips Reported												
OCONTO HARBOR, WI No Vessel Trips Reported												
PENSAUKEE HARBOR, WI No Vessel Trips Reported												
PENTWATER HARBOR, MI (6 feet and less)												
				Inbound						Outbound		
Grand Total	24	---	---	12	12	---	24	---	---	12	12	---
										Total trips:	12	48
PORT SANILAC HARBOR, MI No Vessel Trips Reported												
PORT WING HARBOR, WI No Vessel Trips Reported												
PUT-IN-BAY HARBOR, OH (10 feet and less)												
				Inbound						Outbound		
Grand Total	8,640	8,537	103	---	---	---	8,502	8,399	103	---	---	---
										Total trips:	---	17,142
RACINE HARBOR, WI (6 feet and less)												
				Inbound						Outbound		
Grand Total	16	---	---	7	9	---	12	---	---	6	6	---
										Total trips:	6	28
ROGERS CITY, MI No Vessel Trips Reported												
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MI (7 feet and less)												
				Upbound						Downbound		
Grand Total	660	660	---	---	---	---	660	660	---	---	---	---
										Total trips:	---	1,320

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SAULT STE. MARIE, MI (27 feet and less)												
				Inbound							Outbound	
Grand Total	18,339	18,329	---	9	1	---	18,336	18,327	---	8	1	---
										Total trips:		36,675
SEBEWAING, MI No Vessel Trips Reported												
SHEBOYGAN HARBOR, WI (13 feet and less)												
				Inbound							Outbound	
Grand Total	15	---	---	10	---	5	15	---	---	10	---	5
										Total trips:		30
SOUTH HAVEN HARBOR, MI No Vessel Trips Reported												
ST. JAMES (BEAVER ISLAND), MI (14 feet and less)												
				Inbound							Outbound	
Grand Total	644	618	---	13	1	12	645	619	---	13	1	12
										Total trips:		1,289
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WI (24 feet and less)												
				Upbound							Downbound	
Grand Total	94	23	---	44	25	2	121	28	---	56	33	4
										Total trips:		215
TRENTON, MI (27 feet and less)												
				Inbound							Outbound	
Grand Total	12	12	---	---	---	---	10	9	1	---	---	---
										Total trips:		22
TWO RIVERS HARBOR, WI No Vessel Trips Reported												
WARROAD HARBOR, MN No Vessel Trips Reported												
WHITE LAKE HARBOR, MI No Vessel Trips Reported												
WHITEFISH POINT HARBOR, MI No Vessel Trips Reported												
WYANDOTTE, MI (27 feet and less)												
				Inbound							Outbound	
Grand Total	75	75	---	---	---	---	79	77	---	1	1	---
										Total trips:		154
ALABASTER, MI (24 feet and less)												
				Inbound							Outbound	
Grand Total	40	40	---	---	---	---	41	41	---	---	---	---
										Total trips:		81

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MARBLEHEAD, OH (26 feet and less)												
				Inbound						Outbound		
Grand Total	11,398	11,317	---	4	77	---	11,539	11,454	---	6	79	---
										Total trips:	22,937	
PORT DOLOMITE, MI (28 feet and less)												
				Inbound						Outbound		
Grand Total	207	185	---	11	11	---	211	187	---	11	13	---
										Total trips:	418	
PORT GYPSUM, MI (23 feet and less)												
				Inbound						Outbound		
Grand Total	33	33	---	---	---	---	34	34	---	---	---	---
										Total trips:	67	
PORT INLAND, MI (28 feet and less)												
				Inbound						Outbound		
Grand Total	238	227	---	6	5	---	236	227	---	4	5	---
										Total trips:	474	
SILVER BAY, MN (29 feet and less)												
				Inbound						Outbound		
Grand Total	176	174	---	1	1	---	178	176	---	1	1	---
										Total trips:	354	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
TOLEDO HARBOR, OH												
	Inbound						Outbound					
Grand Total	1,155	825	24	167	37	102	1,196	819	26	190	54	107
FOREIGN												
Total	313	291	4	1	16	1	331	285	12	1	32	1
30	---	---	---	---	---	---	1	1	---	---	---	---
28	---	---	---	---	---	---	2	2	---	---	---	---
27	18	18	---	---	---	---	67	67	---	---	---	---
26	30	30	---	---	---	---	47	47	---	---	---	---
25	47	46	---	---	1	---	38	38	---	---	---	---
24	57	57	---	---	---	---	61	61	---	---	---	---
23	41	40	---	---	1	---	30	30	---	---	---	---
22	50	50	---	---	---	---	7	7	---	---	---	---
21	16	16	---	---	---	---	5	4	1	---	---	---
20	18	17	---	---	1	---	20	14	5	---	1	---
19	10	6	1	---	3	---	7	5	1	---	---	---
18	3	1	---	---	2	---	4	3	---	---	1	---
17	2	2	---	---	---	---	3	1	---	---	1	---
16	1	1	---	---	---	---	2	---	2	---	---	---
15	4	2	---	---	2	---	3	2	---	---	---	1
14	1	---	1	---	---	---	3	1	1	---	1	---
13	3	---	2	---	1	---	---	---	---	---	---	---
≤ 12	12	5	---	1	5	1	31	2	1	1	27	---
DOMESTIC												
Total	842	534	20	166	21	101	865	534	14	189	22	106
28	9	7	---	---	2	---	3	3	---	---	---	---
27	22	18	---	2	2	---	8	6	---	2	---	---
26	103	101	---	---	2	---	32	32	---	---	---	---
25	---	---	---	---	---	---	7	7	---	---	---	---
24	9	4	---	5	---	---	20	13	---	5	2	---
23	3	3	---	---	---	---	29	25	---	---	4	---
22	8	5	---	---	3	---	18	16	2	---	---	---
21	21	18	---	---	3	---	21	18	3	---	---	---
20	10	9	---	---	1	---	16	16	---	---	---	---
19	10	8	1	---	1	---	56	50	6	---	---	---
18	78	65	---	13	---	---	75	60	---	15	---	---
17	29	23	---	---	3	3	30	29	---	---	---	1
16	28	15	---	1	---	12	4	2	---	---	2	---
15	19	15	---	---	---	4	11	9	---	---	---	2
14	10	---	---	---	6	---	29	---	---	5	---	24
13	29	---	---	26	3	---	39	1	---	20	11	7
≤ 12	454	243	19	113	1	78	467	247	3	142	3	72
											Total trips:	2,351
KELLEYS ISLAND, OH												
	Inbound						Outbound					
Grand Total	11,397	11,303	---	47	47	---	11,396	11,303	---	47	46	---
DOMESTIC												
Total	11,397	11,303	---	47	47	---	11,396	11,303	---	47	46	---
20	---	---	---	---	---	---	10	---	---	---	10	---
19	8	---	---	---	8	---	20	---	---	---	20	---
13	19	---	---	19	---	---	19	---	---	19	---	---
12	5	---	---	5	---	---	27	---	---	27	---	---
11	---	---	---	---	---	---	16	---	---	---	16	---
10	23	---	---	23	---	---	1	---	---	1	---	---
8	32	32	---	---	---	---	32	32	---	---	---	---
7	11,132	11,132	---	---	---	---	11,132	11,132	---	---	---	---
6	162	139	---	---	23	---	139	139	---	---	---	---
2	16	---	---	---	16	---	---	---	---	---	---	---
											Total trips:	22,793
SANDUSKY HARBOR, OH												
	Inbound						Outbound					
Grand Total	2,455	2,452	---	1	2	---	2,469	2,467	---	1	1	---
FOREIGN												
Total	170	169	---	---	1	---	184	183	---	---	1	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SANDUSKY HARBOR, OH - continued

Inbound

Outbound

FOREIGN

29	2	2	---	---	---	---	5	5	---	---	---	---
28	---	---	---	---	---	---	6	6	---	---	---	---
27	---	---	---	---	---	---	63	63	---	---	---	---
26	1	1	---	---	---	---	23	23	---	---	---	---
25	10	10	---	---	---	---	1	1	---	---	---	---
24	28	28	---	---	---	---	1	1	---	---	---	---
23	50	49	---	---	1	---	3	3	---	---	---	---
22	6	6	---	---	---	---	---	---	---	---	---	---
21	2	2	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	2	2	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---
≤ 12	70	70	---	---	---	---	80	79	---	---	1	---

DOMESTIC

Total	2,285	2,283	---	1	1	---	2,285	2,284	---	1	---	---
27	---	---	---	---	---	---	3	3	---	---	---	---
26	---	---	---	---	---	---	2	2	---	---	---	---
25	---	---	---	---	---	---	1	1	---	---	---	---
24	---	---	---	---	---	---	2	2	---	---	---	---
23	---	---	---	---	---	---	5	5	---	---	---	---
22	1	1	---	---	---	---	11	11	---	---	---	---
21	8	8	---	---	---	---	7	7	---	---	---	---
20	5	5	---	---	---	---	5	5	---	---	---	---
19	1	1	---	---	---	---	6	6	---	---	---	---
18	25	25	---	---	---	---	1	1	---	---	---	---
17	6	6	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	4	4	---	---	---	---
15	6	6	---	---	---	---	6	6	---	---	---	---
≤ 12	2,233	2,231	---	1	1	---	2,232	2,231	---	1	---	---
Total trips:											4,924	

HURON HARBOR, OH

Inbound

Outbound

Grand Total	57	56	---	---	1	---	54	53	---	1	---	---
--------------------	-----------	-----------	-----	-----	----------	-----	-----------	-----------	-----	----------	-----	-----

FOREIGN

Total	9	8	---	---	1	---	4	3	---	1	---	---
25	1	1	---	---	---	---	1	1	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	3	2	---	---	1	---	2	2	---	---	---	---
21	2	2	---	---	---	---	---	---	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
≤ 12	---	---	---	---	---	---	1	---	---	1	---	---

DOMESTIC

Total	48	48	---	---	---	---	50	50	---	---	---	---
28	2	2	---	---	---	---	---	---	---	---	---	---
27	16	16	---	---	---	---	---	---	---	---	---	---
26	15	15	---	---	---	---	---	---	---	---	---	---
25	4	4	---	---	---	---	---	---	---	---	---	---
24	3	3	---	---	---	---	---	---	---	---	---	---
23	2	2	---	---	---	---	---	---	---	---	---	---
22	2	2	---	---	---	---	2	2	---	---	---	---
21	1	1	---	---	---	---	7	7	---	---	---	---
20	2	2	---	---	---	---	4	4	---	---	---	---
19	---	---	---	---	---	---	6	6	---	---	---	---
18	1	1	---	---	---	---	15	15	---	---	---	---
17	---	---	---	---	---	---	11	11	---	---	---	---
16	---	---	---	---	---	---	2	2	---	---	---	---
15	---	---	---	---	---	---	3	3	---	---	---	---
Total trips:											111	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
LORAIN HARBOR, OH												
Grand Total				Inbound						Outbound		
	670	624	---	22	23	1	682	635	---	22	25	---
FOREIGN												
Total	24	21	---	---	2	1	22	20	---	---	2	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	12	12	---	---	---	---	---	---	---	---	---	---
26	2	2	---	---	---	---	---	---	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	5	5	---	---	---	---
23	2	2	---	---	---	---	8	8	---	---	---	---
22	2	1	---	---	1	---	4	4	---	---	---	---
21	1	1	---	---	---	---	1	1	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
14	---	---	---	---	---	---	2	1	---	---	1	---
≤ 12	2	---	---	---	1	1	1	---	---	---	1	---
DOMESTIC												
Total	646	603	---	22	21	---	660	615	---	22	23	---
29	3	3	---	---	---	---	---	---	---	---	---	---
28	59	58	---	---	1	---	1	1	---	---	---	---
27	93	91	---	---	2	---	43	39	---	---	4	---
26	52	52	---	---	---	---	78	77	---	---	1	---
25	7	7	---	---	---	---	16	16	---	---	---	---
24	18	12	---	6	---	---	16	11	---	5	---	---
23	5	5	---	---	---	---	143	133	---	---	10	---
22	6	6	---	---	---	---	52	49	---	---	3	---
21	7	7	---	---	---	---	86	84	---	---	2	---
20	3	3	---	---	---	---	62	61	---	---	1	---
19	---	---	---	---	---	---	34	34	---	---	---	---
18	1	1	---	---	---	---	29	29	---	---	---	---
17	133	131	---	---	2	---	11	11	---	---	---	---
16	168	155	---	---	13	---	2	2	---	---	---	---
15	29	29	---	---	---	---	19	19	---	---	---	---
14	---	---	---	---	---	---	5	5	---	---	---	---
13	15	---	---	15	---	---	17	1	---	16	---	---
≤ 12	47	43	---	1	3	---	46	43	---	1	2	---
											Total trips:	1,352
CLEVELAND HARBOR, OH												
Grand Total				Inbound						Outbound		
	2,010	1,516	6	248	145	95	1,977	1,505	7	228	149	88
FOREIGN												
Total	309	247	4	---	55	3	305	244	3	---	54	4
27	54	54	---	---	---	---	5	5	---	---	---	---
26	52	52	---	---	---	---	5	5	---	---	---	---
25	36	36	---	---	---	---	19	19	---	---	---	---
24	38	36	---	---	2	---	40	40	---	---	---	---
23	24	19	---	---	5	---	14	14	---	---	---	---
22	28	26	2	---	---	---	64	62	2	---	---	---
21	4	4	---	---	---	---	11	11	---	---	---	---
20	8	4	---	---	4	---	16	16	---	---	---	---
19	16	9	2	---	5	---	31	28	1	---	2	---
18	7	4	---	---	3	---	41	39	---	---	2	---
17	5	1	---	---	3	1	3	1	---	---	2	---
16	4	1	---	---	3	---	5	2	---	---	2	1
15	23	---	---	---	22	1	28	---	---	---	27	1
14	1	---	---	---	1	---	3	---	---	---	3	---
13	1	---	---	---	1	---	3	---	---	---	1	---
≤ 12	8	1	---	---	6	1	17	---	---	---	15	2
DOMESTIC												
Total	1,701	1,269	2	248	90	92	1,672	1,261	4	228	95	84
29	1	1	---	---	---	---	---	---	---	---	---	---
28	26	26	---	---	---	---	---	---	---	---	---	---
27	73	70	---	---	3	---	4	---	---	---	4	---
26	96	96	---	---	---	---	---	---	---	---	---	---
25	35	35	---	---	---	---	---	---	---	---	---	---
24	21	16	---	3	2	---	5	---	5	---	---	---
23	150	141	---	---	9	---	5	1	---	---	4	---
22	85	81	---	---	4	---	22	17	---	---	5	---
21	60	56	---	---	4	---	22	12	---	---	10	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CLEVELAND HARBOR, OH - continued

	Inbound						Outbound					
DOMESTIC												
20	57	44	---	---	13	---	14	13	---	---	1	---
19	43	9	2	---	24	8	33	21	1	---	10	1
18	50	3	---	34	---	13	80	45	---	35	---	---
17	15	6	---	---	2	7	181	178	---	---	3	---
16	21	6	---	---	8	7	203	193	---	---	10	---
15	24	18	---	---	---	6	108	108	---	---	---	---
14	36	---	---	8	---	28	21	13	---	8	---	---
13	76	1	---	66	2	7	77	---	---	68	8	1
≤ 12	832	660	---	137	19	16	897	660	3	112	40	82
										Total trips:		3,987

FAIRPORT HARBOR, OH

	Inbound						Outbound					
Grand Total	514	473	---	20	21	---	502	471	---	15	16	---
FOREIGN												
Total	20	19	---	---	1	---	21	20	---	---	1	---
27	---	---	---	---	---	---	1	1	---	---	---	---
26	1	1	---	---	---	---	4	4	---	---	---	---
25	4	4	---	---	---	---	8	8	---	---	---	---
24	7	7	---	---	---	---	3	3	---	---	---	---
23	6	6	---	---	---	---	2	2	---	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	1	---	---	---	1	---	1	---	---	---	1	---
DOMESTIC												
Total	494	454	---	20	20	---	481	451	---	15	15	---
27	4	1	---	---	3	---	---	---	---	---	---	---
26	18	18	---	---	---	---	---	---	---	---	---	---
25	9	6	---	---	3	---	1	1	---	---	---	---
24	22	5	---	6	11	---	20	16	---	4	---	---
23	32	30	---	---	2	---	4	4	---	---	---	---
22	26	26	---	---	---	---	2	2	---	---	---	---
21	4	4	---	---	---	---	4	4	---	---	---	---
20	2	2	---	---	---	---	---	---	---	---	---	---
19	2	2	---	---	---	---	2	2	---	---	---	---
18	2	2	---	---	---	---	3	3	---	---	---	---
17	2	2	---	---	---	---	25	25	---	---	---	---
16	3	2	---	---	1	---	24	13	---	---	11	---
15	20	20	---	---	---	---	36	36	---	---	---	---
14	---	---	---	---	---	---	11	11	---	---	---	---
13	14	---	---	14	---	---	11	---	---	11	---	---
≤ 12	334	334	---	---	---	---	338	334	---	---	4	---
										Total trips:		1,016

ASHTABULA HARBOR, OH

	Inbound						Outbound					
Grand Total	377	376	---	---	1	---	365	364	---	---	1	---
FOREIGN												
Total	144	143	---	---	1	---	139	138	---	---	1	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	---	---	---	---	---	---	14	14	---	---	---	---
29	---	---	---	---	---	---	22	22	---	---	---	---
28	1	1	---	---	---	---	26	26	---	---	---	---
27	14	14	---	---	---	---	41	41	---	---	---	---
26	7	7	---	---	---	---	5	5	---	---	---	---
25	10	10	---	---	---	---	4	4	---	---	---	---
24	66	66	---	---	---	---	7	7	---	---	---	---
23	37	37	---	---	---	---	5	5	---	---	---	---
22	6	6	---	---	---	---	7	7	---	---	---	---
21	2	2	---	---	---	---	3	3	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
19	---	---	---	---	---	---	1	1	---	---	---	---
17	1	---	---	---	1	---	1	1	---	---	---	---
≤ 12	---	---	---	---	---	---	1	---	---	---	1	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ASHTABULA HARBOR, OH - continued

	Inbound						Outbound					
DOMESTIC												
Total	233	233	---	---	---	---	226	226	---	---	---	---
28	36	36	---	---	---	---	15	15	---	---	---	---
27	44	44	---	---	---	---	11	11	---	---	---	---
26	38	38	---	---	---	---	32	32	---	---	---	---
25	7	7	---	---	---	---	3	3	---	---	---	---
24	2	2	---	---	---	---	1	1	---	---	---	---
23	1	1	---	---	---	---	10	10	---	---	---	---
22	4	4	---	---	---	---	22	22	---	---	---	---
21	13	13	---	---	---	---	34	34	---	---	---	---
20	4	4	---	---	---	---	10	10	---	---	---	---
19	5	5	---	---	---	---	16	16	---	---	---	---
18	17	17	---	---	---	---	35	35	---	---	---	---
17	41	41	---	---	---	---	14	14	---	---	---	---
16	11	11	---	---	---	---	7	7	---	---	---	---
15	8	8	---	---	---	---	14	14	---	---	---	---
14	1	1	---	---	---	---	2	2	---	---	---	---
≤ 12	1	1	---	---	---	---	---	---	---	---	---	---
											Total trips:	742

CONNEAUT HARBOR, OH

	Inbound						Outbound					
Grand Total	215	202	---	6	7	---	215	202	---	6	7	---
FOREIGN												
Total	91	90	---	---	1	---	93	92	---	---	1	---
30	1	1	---	---	---	---	9	9	---	---	---	---
29	---	---	---	---	---	---	22	22	---	---	---	---
28	---	---	---	---	---	---	28	28	---	---	---	---
27	8	8	---	---	---	---	17	17	---	---	---	---
26	1	1	---	---	---	---	4	4	---	---	---	---
25	12	12	---	---	---	---	1	1	---	---	---	---
24	43	43	---	---	---	---	4	4	---	---	---	---
23	17	17	---	---	---	---	3	3	---	---	---	---
22	2	2	---	---	---	---	3	3	---	---	---	---
21	1	1	---	---	---	---	1	1	---	---	---	---
17	1	1	---	---	---	---	---	---	---	---	---	---
15	2	2	---	---	---	---	---	---	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---
13	1	1	---	---	---	---	---	---	---	---	---	---
≤ 12	1	---	---	---	1	---	1	---	---	---	1	---
											Total trips:	430
DOMESTIC												
Total	124	112	---	6	6	---	122	110	---	6	6	---
28	12	11	---	---	1	---	1	---	---	---	1	---
27	34	26	---	4	4	---	6	2	---	4	---	---
26	13	12	---	---	1	---	---	---	---	---	---	---
25	6	6	---	---	---	---	2	2	---	---	---	---
24	5	3	---	2	---	---	15	13	---	2	---	---
23	3	3	---	---	---	---	27	22	---	---	5	---
22	9	9	---	---	---	---	5	5	---	---	---	---
21	4	4	---	---	---	---	11	11	---	---	---	---
20	5	5	---	---	---	---	---	---	---	---	---	---
19	13	13	---	---	---	---	30	30	---	---	---	---
18	11	11	---	---	---	---	9	9	---	---	---	---
17	5	5	---	---	---	---	10	10	---	---	---	---
16	2	2	---	---	---	---	2	2	---	---	---	---
15	2	2	---	---	---	---	3	3	---	---	---	---
14	---	---	---	---	---	---	1	1	---	---	---	---

ERIE HARBOR, PA

	Inbound						Outbound					
Grand Total	766	766	---	---	---	---	763	763	---	---	---	---
FOREIGN												
Total	20	20	---	---	---	---	18	18	---	---	---	---
27	6	6	---	---	---	---	1	1	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ERIE HARBOR, PA - continued

	Inbound						Outbound					
FOREIGN												
26	5	5	---	---	---	---	---	---	---	---	---	---
25	4	4	---	---	---	---	---	---	---	---	---	---
24	2	2	---	---	---	---	4	4	---	---	---	---
23	1	1	---	---	---	---	4	4	---	---	---	---
22	---	---	---	---	---	---	2	2	---	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	---	---	---	---	---	---	2	2	---	---	---	---
19	---	---	---	---	---	---	2	2	---	---	---	---
18	2	2	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	746	746	---	---	---	---	745	745	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
26	21	21	---	---	---	---	---	---	---	---	---	---
25	6	6	---	---	---	---	---	---	---	---	---	---
24	12	12	---	---	---	---	---	---	---	---	---	---
23	4	4	---	---	---	---	---	---	---	---	---	---
22	1	1	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	3	3	---	---	---	---
17	---	---	---	---	---	---	16	16	---	---	---	---
16	---	---	---	---	---	---	8	8	---	---	---	---
15	1	1	---	---	---	---	14	14	---	---	---	---
14	174	174	---	---	---	---	3	3	---	---	---	---
13	154	154	---	---	---	---	---	---	---	---	---	---
≤ 12	371	371	---	---	---	---	699	699	---	---	---	---
											Total trips:	1,529

DUNKIRK HARBOR, NY

	Inbound						Outbound					
Grand Total												
	28	28	---	---	---	---	28	28	---	---	---	---
DOMESTIC												
Total	28	28	---	---	---	---	28	28	---	---	---	---
19	26	26	---	---	---	---	23	23	---	---	---	---
18	2	2	---	---	---	---	1	1	---	---	---	---
17	---	---	---	---	---	---	4	4	---	---	---	---
											Total trips:	56

BUFFALO HARBOR, NY

	Upbound						Downbound					
Grand Total												
	408	338	6	34	27	3	394	331	---	35	23	5
FOREIGN												
Total	94	40	---	27	27	---	86	38	---	25	23	---
27	1	1	---	---	---	---	6	6	---	---	---	---
25	---	---	---	---	---	---	3	3	---	---	---	---
24	4	4	---	---	---	---	3	3	---	---	---	---
23	1	1	---	---	---	---	5	5	---	---	---	---
22	4	4	---	---	---	---	5	5	---	---	---	---
21	---	---	---	---	---	---	2	2	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	2	2	---	---	---	---
18	14	14	---	---	---	---	4	3	---	---	1	---
17	5	5	---	---	---	---	8	7	---	---	1	---
16	24	4	---	17	3	---	35	2	---	18	15	---
15	10	4	---	4	2	---	3	---	---	2	1	---
14	2	2	---	---	---	---	---	---	---	---	---	---
13	1	---	---	1	---	---	1	---	---	1	---	---
≤ 12	27	---	---	5	22	---	9	---	---	4	5	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BUFFALO HARBOR, NY - continued

	Upbound						Downbound					
DOMESTIC												
Total	314	298	6	7	---	3	308	293	---	10	---	5
27	---	---	---	---	---	---	2	2	---	---	---	---
26	1	1	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	8	8	---	---	---	---
24	---	---	---	---	---	---	9	9	---	---	---	---
23	2	2	---	---	---	---	5	5	---	---	---	---
22	---	---	---	---	---	---	5	5	---	---	---	---
21	2	1	1	---	---	---	2	2	---	---	---	---
20	6	5	1	---	---	---	1	1	---	---	---	---
19	11	11	---	---	---	---	---	---	---	---	---	---
18	5	5	---	---	---	---	4	2	2	---	---	---
17	8	8	---	---	---	---	1	1	---	---	---	---
15	7	7	---	---	---	---	---	---	---	---	---	---
14	2	---	---	---	---	2	---	---	---	---	---	---
13	1	---	---	---	---	1	---	---	---	---	---	---
≤ 12	269	258	4	7	---	---	271	258	---	8	---	5
Total trips:											802	

NIAGARA RIVER, NY

	Upbound						Downbound					
Grand Total	5,111	5,038	4	35	20	14	5,110	5,042	2	33	18	15
FOREIGN												
Total	48	7	---	21	20	---	48	12	---	18	18	---
20	---	---	---	---	---	---	2	2	---	---	---	---
19	---	---	---	---	---	---	4	3	---	---	1	---
18	1	---	---	1	---	---	4	1	---	---	3	---
17	2	---	---	1	1	---	9	2	---	2	5	---
16	22	4	---	14	4	---	21	---	---	15	6	---
15	4	2	---	2	---	---	1	---	---	---	1	---
14	1	---	---	---	1	---	---	---	---	---	---	---
13	2	---	---	1	1	---	1	---	---	---	1	---
≤ 12	16	1	---	2	13	---	6	4	---	1	1	---
DOMESTIC												
Total	5,063	5,031	4	14	---	14	5,062	5,030	2	15	---	15
21	1	---	1	---	---	---	1	---	1	---	---	---
20	1	---	1	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	5	---	1	---	---	4
18	14	---	---	14	---	---	23	---	---	15	---	8
17	2	---	---	---	---	2	1	---	---	---	---	1
16	---	---	---	---	---	---	1	---	---	---	---	1
13	---	---	---	---	---	---	1	---	---	---	---	1
≤ 12	5,045	5,031	2	---	---	12	5,030	5,030	---	---	---	---
Total trips:											10,221	

PORT OF BUFFALO, NY

	Inbound						Outbound					
Grand Total	5,279	5,150	2	66	41	20	5,291	5,148	8	71	47	17
FOREIGN												
Total	130	46	---	43	41	---	142	47	---	48	47	---
27	6	6	---	---	---	---	1	1	---	---	---	---
25	3	3	---	---	---	---	---	---	---	---	---	---
24	3	3	---	---	---	---	4	4	---	---	---	---
23	5	5	---	---	---	---	1	1	---	---	---	---
22	5	5	---	---	---	---	4	4	---	---	---	---
21	2	2	---	---	---	---	---	---	---	---	---	---
20	2	2	---	---	---	---	1	1	---	---	---	---
19	6	5	---	---	1	---	---	---	---	---	---	---
18	8	4	---	---	4	---	15	14	---	1	---	---
17	17	9	---	2	6	---	7	5	---	1	1	---
16	56	2	---	33	21	---	46	8	---	31	7	---
15	4	---	---	2	2	---	14	6	---	6	2	---
14	---	---	---	---	---	---	3	2	---	---	1	---
13	2	---	---	1	1	---	3	---	---	2	1	---
≤ 12	11	---	---	5	6	---	43	1	---	7	35	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF BUFFALO, NY - continued

	Inbound						Outbound					
DOMESTIC												
Total	5,149	5,104	2	23	---	20	5,149	5,101	8	23	---	17
27	2	2	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	1	1	---	---	---	---
25	8	8	---	---	---	---	---	---	---	---	---	---
24	9	9	---	---	---	---	---	---	---	---	---	---
23	6	6	---	---	---	---	1	1	---	---	---	---
22	5	5	---	---	---	---	---	---	---	---	---	---
21	3	2	1	---	---	---	2	1	1	---	---	---
20	3	3	---	---	---	---	4	3	1	---	---	---
19	5	---	1	---	---	4	11	11	---	---	---	---
18	27	2	---	17	---	8	19	5	---	14	---	---
17	2	1	---	---	---	1	10	8	---	---	---	2
16	1	---	---	---	---	1	---	---	---	---	---	---
15	---	---	---	---	---	---	7	7	---	---	---	---
14	---	---	---	---	---	---	2	---	---	---	---	2
13	1	---	---	---	---	1	1	---	---	---	---	1
≤ 12	5,077	5,066	---	6	---	5	5,091	5,064	6	9	---	12
										Total trips:		10,570

OSWEGO HARBOR, NY

	Upbound						Downbound					
Grand Total	78	47	21	---	8	2	141	112	21	---	8	---
FOREIGN												
Total	67	47	10	---	8	2	139	111	20	---	8	---
27	---	---	---	---	---	---	3	3	---	---	---	---
24	1	1	---	---	---	---	1	1	---	---	---	---
23	2	2	---	---	---	---	4	3	1	---	---	---
22	2	2	---	---	---	---	15	15	---	---	---	---
21	---	---	---	---	---	---	27	21	2	---	4	---
20	1	---	---	---	1	---	9	2	5	---	2	---
19	3	3	---	---	---	---	11	2	9	---	---	---
18	29	29	---	---	---	---	3	---	2	---	1	---
17	8	8	---	---	---	---	1	---	1	---	---	---
15	1	---	1	---	---	---	---	---	---	---	---	---
14	3	---	1	---	1	1	---	---	---	---	---	---
13	7	1	4	---	2	---	---	---	---	---	---	---
≤ 12	10	1	4	---	4	1	65	64	---	---	1	---
DOMESTIC												
Total	11	---	11	---	---	---	2	1	1	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	11	---	11	---	---	---	1	---	1	---	---	---
										Total trips:		219

BARCELONA HARBOR, NY
No Vessel Trips Reported

CAPE VINCENT, NY
No Vessel Trips Reported

GREAT SODUS BAY HARBOR, NY
No Vessel Trips Reported

NIAGARA FALLS, NY
(7 feet and less)

	Inbound						Outbound					
Grand Total	4,654	4,654	---	---	---	---	4,650	4,650	---	---	---	9,304
										Total trips:		

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
OGDENSBURG HARBOR, NY (22 feet and less)												
				Inbound						Outbound		
Grand Total	31	27	---	3	1	---	30	26	---	3	1	---
										Total trips:		61
PORT CLINTON HARBOR, OH (9 feet and less)												
				Inbound						Outbound		
Grand Total	3,347	3,347	---	---	---	---	3,354	3,354	---	---	---	---
										Total trips:		6,701
ROCHESTER (CHARLOTTE) HARBOR, NY (21 feet and less)												
				Inbound						Outbound		
Grand Total	288	111	---	89	88	---	334	110	---	113	111	---
										Total trips:		622
SACKETS HARBOR, NY (3 feet and less)												
				Inbound						Outbound		
Grand Total	21	21	---	---	---	---	21	21	---	---	---	---
										Total trips:		42
TONAWANDA HARBOR, NY (INCLUDED IN PORT OF BUFFALO) (PRINT ONLY) (20 feet and less)												
				Inbound						Outbound		
Grand Total	219	183	---	18	18	---	204	165	---	21	18	---
										Total trips:		423
VERMILION HARBOR, OH No Vessel Trips Reported												
WADDINGTON HARBOR, NY No Vessel Trips Reported												

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ILLINOIS RIVER, IL

	Upbound						Downbound					
Grand Total	39,604	12,249	---	4,966	18,792	3,597	42,145	12,249	---	5,182	21,074	3,640

DOMESTIC

Total	39,604	12,249	---	4,966	18,792	3,597	42,145	12,249	---	5,182	21,074	3,640
13	8	---	---	---	---	8	2	---	---	---	---	2
12	25	---	---	---	3	22	19	---	---	---	12	7
11	116	---	---	28	28	60	208	---	40	132	36	13
10	4,676	4,394	---	52	148	82	4,874	4,394	46	421	13	13
9	4,714	---	---	1,318	2,414	982	7,347	---	1,209	5,799	339	339
8	6,718	289	---	1,756	3,418	1,255	12,018	289	2,094	9,054	581	581
7	7,324	5,648	---	1,151	389	136	7,121	5,648	1,055	353	65	65
6	2,497	1,918	---	363	167	49	2,578	1,918	356	234	70	70
5	895	---	---	287	474	134	414	---	367	30	17	17
4	132	---	---	2	77	53	59	---	2	8	49	49
3	93	---	---	1	41	51	202	---	1	26	175	175
2	11,812	---	---	8	11,057	747	7,033	---	12	4,853	2,168	2,168
1	594	---	---	---	576	18	270	---	---	152	118	118
										Total trips:		81,749

CALUMET-SAG CHANNEL, IL

	Upbound						Downbound					
Grand Total	8,657	---	1	1,431	6,031	1,194	10,698	1,942	---	1,381	6,155	1,220

DOMESTIC

Total	8,657	---	1	1,431	6,031	1,194	10,698	1,942	---	1,381	6,155	1,220
12	91	---	1	87	1	2	84	---	82	1	1	1
11	236	---	---	228	4	4	180	---	171	3	6	6
10	42	---	---	10	22	10	1,304	---	11	1,222	71	71
9	1,453	---	---	296	1,004	153	2,472	---	264	1,785	423	423
8	2,428	---	---	647	1,634	147	1,377	---	651	576	150	150
7	306	---	---	74	202	30	181	---	80	63	38	38
6	2,620	---	---	70	2,537	13	138	---	103	23	12	12
5	383	---	---	19	317	47	1,980	1,942	19	15	4	4
4	110	---	---	---	40	70	12	---	---	4	8	8
3	101	---	---	---	11	90	32	---	---	4	28	28
2	881	---	---	---	256	625	2,838	---	---	2,361	477	477
1	6	---	---	---	3	3	100	---	---	98	2	2
										Total trips:		19,355

CHICAGO SANITARY AND SHIP CANAL, IL

	Upbound						Downbound					
Grand Total	16,674	1,944	---	3,111	8,949	2,670	15,258	2	1	3,137	9,315	2,803

DOMESTIC

Total	16,674	1,944	---	3,111	8,949	2,670	15,258	2	1	3,137	9,315	2,803
≤ 12	16,674	1,944	---	3,111	8,949	2,670	15,258	2	1	3,137	9,315	2,803
										Total trips:		31,932

ILLINOIS WATERWAY, IL

	Upbound						Downbound					
Grand Total	49,301	14,191	1	7,834	22,349	4,926	47,178	12,249	---	6,180	24,603	4,146

DOMESTIC

Total	49,301	14,191	1	7,834	22,349	4,926	47,178	12,249	---	6,180	24,603	4,146
13	8	---	---	---	---	8	2	---	---	---	---	2
≤ 12	49,293	14,191	1	7,834	22,349	4,918	47,176	12,249	---	6,180	24,603	4,144
										Total trips:		96,479

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