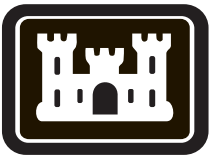

WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 2016

Part 3—
Waterways and Harbors
Great Lakes

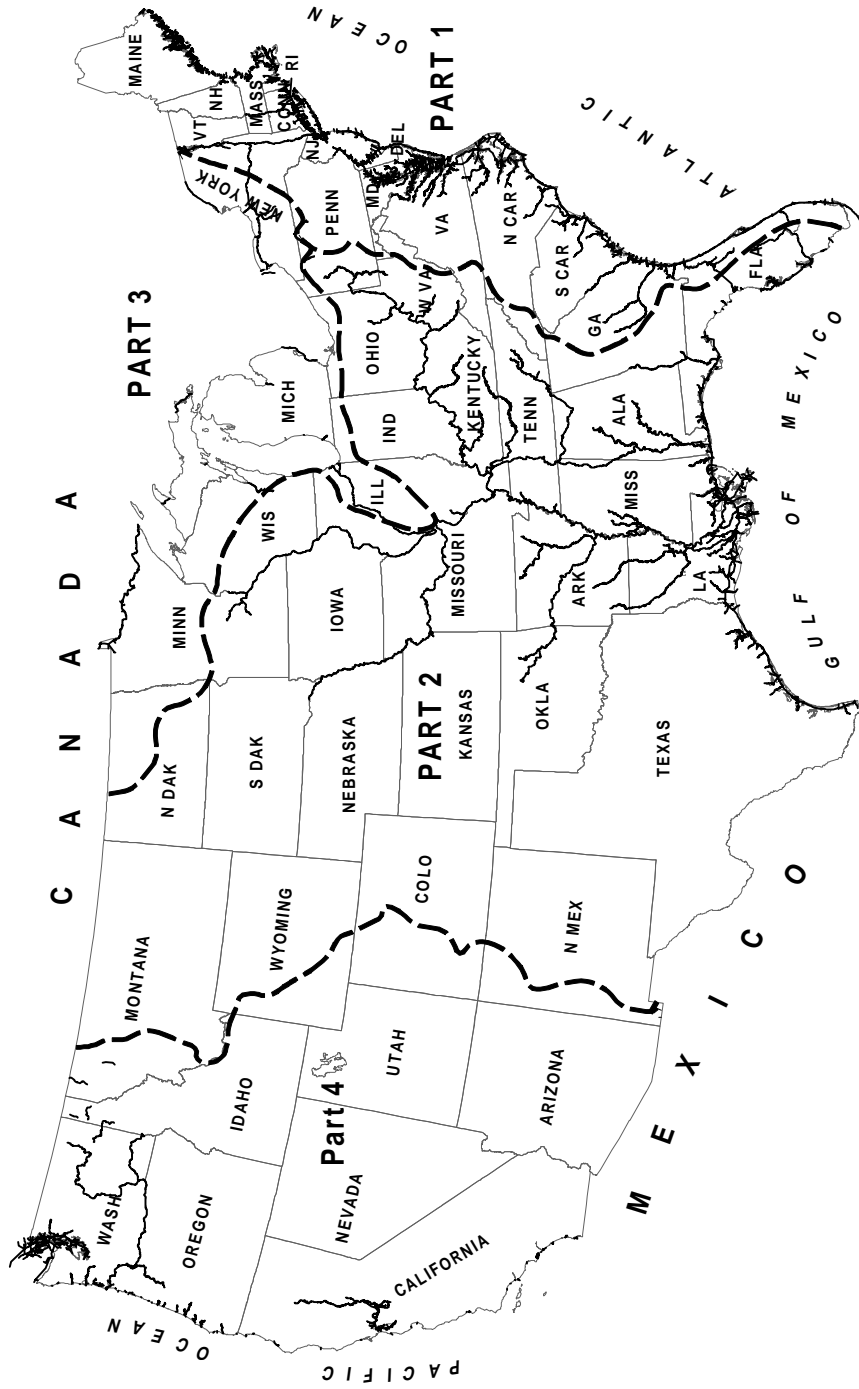


Department of the Army
Corps of Engineers

Institute for Water Resources

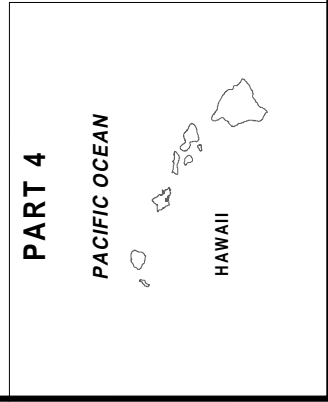
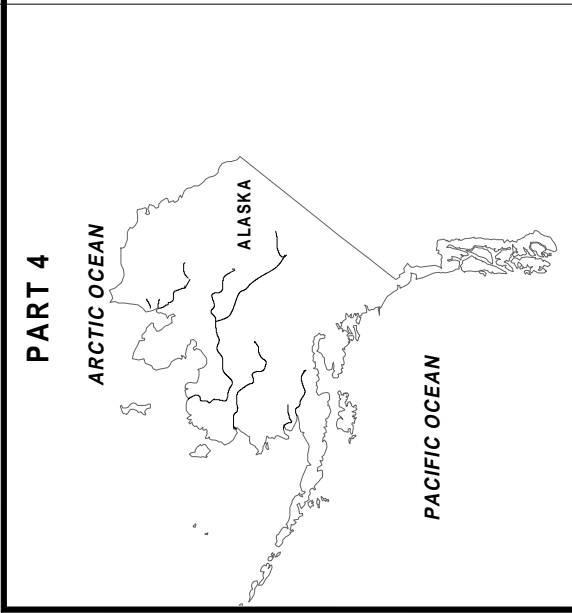
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Geographical Areas Covered by
Waterborne Commerce Statistics Publications
of the
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
(Heavy broken lines indicate the limits embraced by
each part of the five part series)



WATERBORNE COMMERCE OF THE UNITED STATES

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



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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, and its territories.

U. S. foreign tonnage and vessel movements are derived from data provided by the Port Import Export Reporting Service (IHS Inc.), the U.S. Customs and Border Protection, and the U.S. Bureau of the Census.

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.

Foreign Commerce

Foreign commerce is waterborne import, export and in-transit traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between any foreign country and the United States Territories and Possessions (American Samoa, Guam, North Mariana Islands and U.S. Outlying Islands).

Beginning with the calendar year 2000 publication, foreign waterborne import, export and in-transit cargo statistics are derived primarily from data provided by IHS Inc. Port Import Export Reporting Service, a division of the Commonwealth Business Media, Inc. and supplemented by data furnished to the Corps of Engineers by the U.S. Bureau of the Census and the U.S. Customs and Border Protection. Foreign cargo is matched to vessel moves to improve geographic specificity.

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 International 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, exports, and in-transits, as well as, with commodity movements of other countries.

Tonnage

The tonnage figures provided throughout the **WCUS, Parts 1-4** represent short tons (2,000 pounds). Tonnage figures are rounded to the nearest 1,000 tons.

A zero represents less than 500 tons but more than zero. A dash means no tonnage. 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 domestic movements, ton-miles equal the cargo tonnage times the distance between the point of loading on the water and the point of unloading on the water. For U.S. - Canada movements on the Great Lakes, ton-miles equal the tonnage times the distance between the U.S.

and Canadian locations. 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 1,000 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. The number of trips also includes vessels engaged in foreign trade. These moves are furnished by U.S. Customs and Border Protection.

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

Special Interest

Beginning in calendar year 2000, the tonnage of fish landings are no longer included in this publication.

Passenger totals are not included in this publication but are available on request. Passenger data not relevant to transportation such as excursions, sight-seeing, and floating casinos are no longer collected as of calendar year 2001. As of calendar year 2004, passengers, autos, and railway cars are not included in the domestic trips and drafts tables. Cruise ships in foreign traffic are included in the foreign trips and drafts tables.

Beginning in calendar year 2001, the movement of tugboats used to assist larger vessels within the districts of New England (Boston), New York, New Orleans, Galveston (Houston) are no longer collected.

Terminology

Types of Traffic

Foreign

Inbound: Includes waterborne imports and inbound in-transit merchandise.

Imports

Overseas: Inbound merchandise originating in foreign countries other than Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

Canadian: Inbound merchandise originating in Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

Inbound In-transits: Merchandise coming into the United States by marine vessel from a foreign country and shipped to a foreign country without having been entered as an import. In-transit merchandise is treated as inbound when unloaded from a marine vessel.

Outbound: Includes waterborne exports and outbound in-transit merchandise.

Exports

Overseas: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to foreign countries other than Canada.

Canadian: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to Canada.

Outbound In-transits: Merchandise coming into the United States from a foreign country and shipped by marine vessel to a foreign country without having been entered as an import. In-transit merchandise is treated as outbound when loaded onto a marine 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: Shipments and receipts 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 International 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 (2,000 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. The ton-mile parameter measures the total activity on a waterway or channel. Ton-miles are not computed for ports.

Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water from the point of loading onto the vessel to the point of unloading off of the vessel. Coastwise ton-miles includes the distance across open ocean and

the Gulf of Mexico.

For rivers, inland waterways and coastal routes the distances were computed from waterway survey maps , NOAA charts 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 lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports.

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

For overseas imports and exports, and in-transits foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Distances across the oceans are not included in the computation of the overseas foreign ton-miles.

Ton-miles are rounded to the nearest thousand.

Trip Ton-miles: Trip ton-miles is a measure of a single waterway's contribution to the whole waterway system. Trip ton-miles are computed by identifying every commercial cargo-carrying vessel that has plied a particular inland waterway and summing the products of the tons times the total trip-miles for each vessel trip. "Trip-miles" is the total distance from origin (loading) to destination (unloading). For example, a barge carrying 1,200 tons of wheat might only travel 30 miles on the Illinois River but its total trip to New Orleans might be 1,000 miles. This trip would contribute 1,200,000 trip ton-miles to the Illinois River. Small rivers often contribute to the traffic on larger rivers. Published trip ton-miles do not include coastal and Great Lakes vessel movements.

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

Major Grouping

Minor Grouping

Pub Group Pub Name

00 Units

0200 Vehicles
0300 Passengers

10 Coal

1100 Coal & Lignite
1200 Coal Coke

20 Petroleum & Petroleum Products

21 Crude Petroleum

2100 Crude Petroleum

22-29 Petroleum Products

2211 Gasoline
2221 Kerosene
2330 Distillate Fuel Oil
2340 Residual Fuel Oil
2350 Lube Oil & Greases
2410 Petro. Jelly & Waxes
2429 Naphtha & Solvents
2430 Asphalt, Tar & Pitch
2540 Petroleum Coke
2640 Hydrocarbon & Petrol Gases,
Liquefied and Gaseous
2990 Petro. Products NEC

30 Chemicals and Related Products

31 Fertilizers

3110 Nitrogenous Fert.
3120 Phosphatic Fert.
3130 Potassic Fert.
3190 Fert. & Mixes NEC

32 Other Chemicals and Related Products

3211 Acyclic Hydrocarbons
3212 Benzene & Toluene
3219 Other Hydrocarbons
3220 Alcohols
3230 Carboxylic Acids
3240 Nitrogen Func. Comp.
3250 Organo-Inorganic Comp.
3260 Organic Comp. NEC
3271 Sulphur (Liquid)
3272 Sulphuric Acid
3273 Ammonia
3274 Sodium Hydroxide
3275 Inorg. Elem., Oxides,
& Halogen Salts
3276 Metallic Salts
3279 Inorganic Chem. NEC
3281 Radioactive Material

Major Grouping

Minor Grouping

Pub Group Pub Name

3282 Pigments & Paints
3283 Coloring Mat. NEC
3284 Medicines
3285 Perfumes & Cleansers
3286 Plastics
3291 Pesticides
3292 Starches, Gluten, Glue
3293 Explosives
3297 Chemical Additives
3298 Wood & Resin Chem.
3299 Chem. Products NEC

40 Crude Materials, Inedible Except Fuels

41 Forest Products, Wood and Chips

4110 Rubber & Gums
4150 Fuel Wood
4161 Wood Chips
4170 Wood in the Rough
4189 Lumber
4190 Forest Products NEC

42 Pulp and Waste Paper

4225 Pulp & Waste Paper

43 Soil, Sand, Gravel, Rock and Stone

4310 Building Stone
4322 Limestone
4323 Gypsum
4327 Phosphate Rock
4331 Sand & Gravel
4333 Dredged Material
4335 Waterway Improv. Mat
4338 Soil & Fill Dirt

44 Iron Ore and Scrap

4410 Iron Ore
4420 Iron & Steel Scrap

45 Marine Shells

4515 Marine Shells

46 Non-Ferrous Ores and Scrap

4630 Copper Ore
4650 Aluminum Ore
4670 Manganese Ore
4680 Non-Ferrous Scrap
4690 Non-Ferrous Ores NEC

47 Sulphur, Clay and Salt

4741 Sulphur, (Dry)
4782 Clay & Refrac. Mat.
4783 Salt

48 Slag

4860 Slag

49 Other Non-Metal. Min.

4900 Non-Metal. Min. NEC

Commodity Classification List (continued)

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

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

Area	Area Totals			Foreign			Domestic							
	Overseas			Canadian			Coastwise		Lakewise		Internal		Intraport	
	In/Out	Through	In/Out	In/Out	Through	In/Out	In/Out	Through	In/Out	Through	In/Out	Through	In/Out	Through
DETROIT RIVER, MI	1,333,789	6,598	79,683	41,950	404,177	---	489	---	213,560	586,119	153	1,061	---	---
*LAKE ERIE	7,049,014	347,750	771,356	1,540,462	1,975,000	---	4,152	---	2,210,542	187,378	184	9,000	---	3,189
LAKE HURON	14,362,867	2,998	628,490	209,872	3,884,856	---	3,805	---	2,436,457	7,185,547	2,072	8,771	---	---
**LAKE MICHIGAN	17,351,112	579,000	---	2,366,086	---	5,794	---	---	12,822,340	1,486,248	37,309	---	---	54,335
***LAKE ONTARIO	4,255,549	17	1,715,726	46,835	2,471,607	---	6,142	---	1,579	---	---	13,644	---	---
LAKE SUPERIOR	20,049,448	536,852	---	2,859,269	364,314	---	---	---	16,288,960	52	0	1	---	---
ST. CLAIR RIVER, MI	1,868,736	---	100,246	599	584,299	---	616	---	104,804	1,076,837	---	1,335	---	---
****ST. LAWRENCE RIVER	1,160,056	3,076	487,189	17,207	646,939	---	1,752	---	---	---	---	3,893	---	---
ST. MARYS RIVER, MI	3,880,737	---	89,468	13,625	843,647	---	---	---	10,199	2,923,798	---	---	---	---
WELLAND CANAL, CANADA	376,115	---	119,268	---	255,252	---	426	---	---	222	---	947	---	---
-NET UNITED STATES TRAFFIC ON THE GREAT LAKES	71,675,710	5,467,716	---	18,514,281	---	23,177	---	---	47,534,642	---	42,254	---	93,639	---

* 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); excludes Port of Chicago internal traffic
 *** 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
(thousand short tons)

Area	Area Totals			Foreign			Domestic						Intraport					
	In/Out	Through		In/Out	Through		Overseas		Canadian		Coastwise		Lakewise		Internal		In/Out	
DETROIT RIVER, MI	47,832	358	2,570	2,365	13,038	—	16	16	10,509	18,907	35	34	—	—	—	—	3,189	—
*LAKE ERIE	48,924	1,460	2,943	9,600	8,183	—	16	16	20,345	3,154	1	34	—	—	—	—	—	—
LAKE HURON	83,524	16	2,555	1,062	17,649	—	—	—	15,210	46,982	8	27	—	—	—	—	—	—
**LAKE MICHIGAN	47,455	1,157	—	5,275	—	—	—	—	31,001	5,648	1,906	—	—	—	—	—	2,453	—
***LAKE ONTARIO	14,242	0	4,403	511	9,269	—	—	—	8	—	—	35	—	—	—	—	—	—
LAKE SUPERIOR	59,487	1,398	—	8,434	2,058	—	—	—	47,586	12	0	—	—	—	—	—	—	—
ST. CLAIR RIVER, MI	52,100	—	2,570	44	14,982	—	16	16	6,843	27,611	—	34	—	—	—	—	—	—
****ST. LAWRENCE RIVER	10,330	14	4,389	78	5,799	—	16	16	—	—	—	35	—	—	—	—	—	—
ST. MARYS RIVER, MI	63,569	—	1,398	327	15,627	—	—	—	534	45,684	—	—	—	—	—	—	—	—
WELLAND CANAL, CANADA	13,783	—	4,403	—	9,321	—	16	16	—	8	—	35	—	—	—	—	—	—
NET UNITED STATES TRAFFIC ON THE GREAT LAKES	118,242	4,403	—	28,007	—	16	—	—	78,225	—	1,251	—	—	—	—	—	6,341	—

* 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); excludes Port of Chicago internal traffic
 *** 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
2007	160,959	2010	129,455	2013	127,632	2016	118,242
2008	152,381	2011	134,899	2014	132,293		
2009	108,689	2012	126,926	2015	123,705		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign				Domestic			
		Inbound		Outbound		Coastwise	Lakewise	Internal	Intraport
		Canadian	Overseas	Canadian	Overseas				
Total, all commodities	118,242	12,192	1,927	15,814	2,476	16	78,225	1,251	6,341
Total coal	16,710	239	16	3,784	275	—	12,343	53	—
1100 coal & lignite	16,630	224	0	3,784	275	—	12,323	24	—
1200 coal coke	80	15	16	—	—	—	20	29	—
Total petroleum and petroleum products	3,604	321	—	315	48	—	2,016	446	458
Subtotal petroleum products	3,604	321	—	315	48	—	2,016	446	458
2211 gasoline	367	33	—	61	—	—	152	58	63
2221 kerosene	13	—	—	—	—	—	—	13	—
2330 distillate fuel oil	719	22	—	93	—	—	85	327	191
2340 residual fuel oil	148	36	—	8	—	—	84	10	10
2350 lube oil & greases	6	—	—	—	—	—	—	6	—
2429 naphtha & solvents	184	—	—	20	0	—	—	—	164
2430 asphalt, tar & pitch	1,533	—	—	—	—	—	1,502	9	22
2540 petroleum coke	620	230	—	134	48	—	192	9	7
2640 hydrocarbon & petrol gases, liquefied and gaseous	1	—	—	—	—	—	1	—	—
2990 petro. products nec	14	—	—	—	—	—	—	14	—
Total chemicals and related products	752	99	48	243	0	16	131	42	173
Subtotal fertilizers	215	99	43	31	—	—	—	42	—
3110 nitrogenous fert.	94	—	43	21	—	—	—	29	—
3130 potassic fert.	116	99	—	9	—	—	—	8	—
3190 fert. & mixes nec	4	—	—	—	—	—	—	4	—
Subtotal other chemicals and related products	537	—	5	212	0	16	131	—	173
3211 acyclic hydrocarbons	3	—	—	3	—	—	—	—	—
3212 benzene & toluene	17	—	—	17	—	—	—	—	—
3219 other hydrocarbons	36	—	—	—	—	—	—	—	36
3220 alcohols	115	—	—	43	—	16	8	—	48
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—	—
3276 metallic salts	322	—	0	111	—	—	123	—	89
3279 inorganic chem. nec	0	—	0	—	—	—	—	—	—
3281 radioactive material	0	—	0	—	—	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—	—
3286 plastics	1	—	1	—	0	—	—	—	—
3297 chemical additives	39	—	—	39	0	—	—	—	—
3299 chem. products nec	4	—	4	—	0	—	—	—	—
Total crude materials, inedible except fuels	84,222	7,928	173	9,927	112	—	60,131	461	5,491
Subtotal forest products, wood and chips	46	45	1	0	—	—	0	0	—
4150 fuel wood	0	—	—	—	—	—	—	0	—
4170 wood in the rough	0	—	—	—	—	—	0	—	—
4189 lumber	46	45	1	0	—	—	—	—	—
4190 forest products nec	0	—	0	0	—	—	—	—	—
Subtotal pulp and waste paper	9	—	9	—	—	—	—	—	—
4225 pulp & waste paper	9	—	9	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	26,282	2,714	—	1,479	—	—	19,687	72	2,329
4322 limestone	21,721	1,576	—	1,001	—	—	19,130	—	15
4323 gypsum	253	20	—	37	—	—	123	72	—
4331 sand & gravel	3,776	1,118	—	441	—	—	430	0	1,787
4335 waterway improv. mat	5	—	—	—	—	—	5	—	0
4338 soil & fill dirt	527	—	—	—	—	—	—	—	527
Subtotal iron ore and scrap	51,122	918	—	8,096	46	—	38,771	247	3,044
4410 iron ore	50,941	897	—	8,070	46	—	38,725	203	3,000
4420 iron & steel scrap	181	21	—	26	—	—	45	44	45
Subtotal non-ferrous ores and scrap	397	266	126	—	—	—	6	—	—
4650 aluminum ore	137	132	—	—	—	—	6	—	—
4680 non-ferrous scrap	146	134	12	—	—	—	—	—	—
4690 non-ferrous ores nec	113	—	113	—	—	—	—	—	—
Subtotal sulphur, clay and salt	4,893	3,285	36	352	66	—	983	57	114
4782 clay & refrac. mat.	583	418	36	30	43	—	—	57	—
4783 salt	4,310	2,868	—	322	24	—	983	—	114
Subtotal slag	1,465	694	—	—	—	—	684	84	3
4860 slag	1,465	694	—	—	—	—	684	84	3
Subtotal other non-metal. min.	8	6	2	—	—	—	—	—	—

TABLE 3 - NET SUMMARY OF FOREIGN AND DOMESTIC FREIGHT CARRIED ON THE GREAT LAKES BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Foreign				Domestic			
		Inbound		Outbound		Coastwise	Lakewise	Internal	Intraport
		Canadian	Overseas	Canadian	Overseas				
4900 non-metal. min. nec	8	6	2	—	—	—	—	—	—
Total primary manufactured goods	8,027	2,757	1,495	115	6	—	3,301	150	203
Subtotal paper products	1	—	1	—	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—	—
5190 paper products nec	1	—	1	—	—	—	—	—	—
Subtotal lime, cement and glass	5,230	1,899	19	115	—	—	3,197	—	—
5220 cement & concrete	5,229	1,899	19	115	—	—	3,196	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—	—	—
5290 misc. mineral prod.	0	—	0	0	—	—	0	—	—
Subtotal primary iron and steel products	1,891	407	1,049	—	0	—	86	147	202
5312 pig iron	148	22	19	—	—	—	86	21	—
5315 ferro alloys	23	—	23	—	—	—	—	—	—
5320 i&s primary forms	843	247	596	—	0	—	—	—	—
5330 i&s plates & sheets	377	95	191	—	—	—	—	85	6
5360 i&s bars & shapes	222	—	216	—	—	—	0	5	—
5370 i&s pipe & tube	4	—	3	—	—	—	0	—	0
5390 primary i&s nec	275	42	1	—	—	—	—	36	196
Subtotal primary non-ferrous metal products	904	451	425	0	6	—	18	3	1
5421 copper	3	3	—	0	0	—	—	—	—
5422 aluminum	285	285	0	—	—	—	—	—	—
5480 fab. metal products	616	163	425	0	6	—	18	3	1
Subtotal primary wood products	0	—	0	—	—	—	—	—	—
5540 primary wood prod.	0	—	0	—	—	—	—	—	—
Total food and farm products	4,420	570	104	1,344	2,035	—	260	93	14
Subtotal fish	0	—	—	—	—	—	0	—	—
6134 fish (not shellfish)	0	—	—	—	—	—	0	—	—
Subtotal grain	2,815	555	33	469	1,471	—	226	47	14
6241 wheat	2,037	458	—	356	949	—	226	34	14
6344 corn	675	13	15	113	521	—	—	14	—
6443 barley & rye	22	3	19	—	—	—	—	—	—
6445 oats	81	81	—	—	—	—	—	—	—
Subtotal oilseeds	1,082	—	11	748	277	—	—	46	—
6522 soybeans	981	—	11	748	176	—	—	46	—
6534 flaxseed	13	—	—	—	13	—	—	—	—
6590 oilseeds nec	88	—	—	—	88	—	—	—	—
Subtotal vegetable products	0	—	0	—	—	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—	—	—
Subtotal processed grain and animal feed	213	15	0	—	164	—	34	—	—
6747 grain mill products	15	15	0	—	—	—	—	—	—
6782 animal feed, prep.	198	—	—	—	164	—	34	—	—
Subtotal other agricultural products	311	0	60	127	124	—	—	—	—
6861 sugar	60	—	60	—	—	—	—	—	—
6871 coffee	0	—	0	—	—	—	—	—	—
6889 food products nec	251	0	0	127	124	—	—	—	—
Total all manufactured equipment, machinery and products	154	0	65	56	0	—	25	5	2
7110 machinery (not elec)	43	—	32	3	0	—	1	4	2
7120 electrical machinery	56	—	3	53	—	—	—	0	—
7210 vehicles & parts	8	—	8	0	—	—	—	—	—
7230 ships & boats	0	—	0	—	—	—	0	—	—
7400 manufac. wood prod.	0	—	0	0	—	—	—	0	—
7500 textile products	8	—	8	—	—	—	—	—	—
7600 rubber & plastic pr.	1	—	1	0	0	—	—	—	—
7900 manufac. prod. nec	37	0	12	0	0	—	24	1	0
Total unknown or not elsewhere classified	353	278	26	30	0	—	18	—	—
9900 unknown or nec	353	278	26	30	0	—	18	—	—
Tons All Traffic (x1000)			118,242						
Total Trip-ton-miles Internal and Intraport (x1000)			1,743,601						

Section 1

Freight Traffic

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
2007	1,666	2010	620	2013	758	2016	1,819
2008	1,351	2011	681	2014	1,114		
2009	1,019	2012	792	2015	1,389		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Lakewise Shipments	Domestic			
			Internal			
			Inbound Upbound	Outbound Downbnd	Through Upbound	Through Downbnd
Total, all commodities	1,819	2	1,345	413	35	25
Total coal	3	---	---	---	---	3
1200 coal coke	3	---	---	---	---	3
Total petroleum and petroleum products	28	---	---	---	23	5
Subtotal petroleum products	28	---	---	---	23	5
2211 gasoline	2	---	---	---	---	2
2330 distillate fuel oil	23	---	---	---	23	---
2540 petroleum coke	3	---	---	---	---	3
Total chemicals and related products	12	---	---	---	12	---
Subtotal other chemicals and related products	12	---	---	---	12	---
3276 metallic salts	12	---	---	---	12	---
Total crude materials, inedible except fuels	1,568	2	1,141	413	---	12
Subtotal soil, sand, gravel, rock and stone	1,141	---	1,141	---	---	---
4331 sand & gravel	1,141	---	1,141	---	---	---
Subtotal iron ore and scrap	415	2	---	413	---	---
4420 iron & steel scrap	415	2	---	413	---	---
Subtotal sulphur, clay and salt	12	---	---	---	---	12
4783 salt	12	---	---	---	---	12
Total primary manufactured goods	208	---	204	---	---	4
Subtotal lime, cement and glass	204	---	204	---	---	---
5220 cement & concrete	204	---	204	---	---	---
Subtotal primary iron and steel products	3	---	---	---	---	3
5390 primary i&s nec	3	---	---	---	---	3
Subtotal primary non-ferrous metal products	2	---	---	---	---	2
5480 fab. metal products	2	---	---	---	---	2
Ton-miles (x1000)	18,503	53	15,149	1,212	2,043	47

Tons All Traffic (x1000)	1,819
Ton-miles All Traffic (x1000)	18,503
Total Trip-ton-miles Internal and Intraport (x1000)	350,434

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	3,534	2010	1,771	2013	1,135	2016	2,850
2008	3,076	2011	1,564	2014	1,410		
2009	2,558	2012	1,267	2015	2,010		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	2,850	875	157	1,369	448
Total coal	3	---	---	3	---
1200 coal coke	3	---	---	3	---
Total petroleum and petroleum products	28	---	---	5	23
Subtotal petroleum products	28	---	---	5	23
2211 gasoline	2	---	---	2	---
2330 distillate fuel oil	23	---	---	---	23
2540 petroleum coke	3	---	---	3	---
Total chemicals and related products	12	---	---	---	12
Subtotal other chemicals and related products	12	---	---	---	12
3276 metallic salts	12	---	---	---	12
Total crude materials, inedible except fuels	2,597	875	156	1,153	413
Subtotal forest products, wood and chips	1	1	---	---	---
4161 wood chips	1	1	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,014	873	---	1,141	---
4331 sand & gravel	2,014	873	---	1,141	---
Subtotal iron ore and scrap	569	---	156	---	413
4420 iron & steel scrap	569	---	156	---	413
Subtotal sulphur, clay and salt	12	---	---	12	---
4783 salt	12	---	---	12	---
Total primary manufactured goods	208	---	---	208	---
Subtotal lime, cement and glass	204	---	---	204	---
5220 cement & concrete	204	---	---	204	---

CHICAGO RIVER, SOUTH BRANCH, IL (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN
STATISTICS FOR ILLINOIS WATERWAY)
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Through	
		Upbound	Downbnd	Upbound	Downbnd
Subtotal primary iron and steel products	3	---	---	3	---
5390 primary i&s nec	3	---	---	3	---
Subtotal primary non-ferrous metal products	2	---	---	2	---
5480 fab. metal products	2	---	---	2	---
Total all manufactured equipment, machinery and products	1	---	1	---	---
7110 machinery (not elec)	1	---	1	---	---
Ton-miles (x1000)	27,067	3,867	497	17,787	4,917

Tons All Traffic (x1000) 2,850
Ton-miles All Traffic (x1000) 27,067
Total Trip-ton-miles Internal and Intraport (x1000) 511,085

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
2007	1,469	2010	954	2013	682	2016	935
2008	1,194	2011	743	2014	989		
2009	972	2012	808	2015	931		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			
		Inbound	Inbound	Total	Lakewise Receipts	Internal	
						Inbound Upbound	Outbound Downbnd
Total, all commodities	935	5	153	777	554	172	51
Total petroleum and petroleum products	23	---	---	23	23	---	---
Subtotal petroleum products	23	---	---	23	23	---	---
2330 distillate fuel oil	20	---	---	20	20	---	---
2340 residual fuel oil	3	---	---	3	3	---	---
Total chemicals and related products	35	---	---	35	---	21	15
Subtotal other chemicals and related products	35	---	---	35	---	21	15
3220 alcohols	35	---	---	35	---	21	15
Total crude materials, inedible except fuels	24	---	---	24	---	---	24
Subtotal iron ore and scrap	24	---	---	24	---	---	24
4420 iron & steel scrap	24	---	---	24	---	---	24
Total primary manufactured goods	820	5	150	666	530	123	12
Subtotal lime, cement and glass	530	---	---	530	530	---	---
5220 cement & concrete	530	---	---	530	530	---	---
Subtotal primary iron and steel products	242	5	112	126	---	114	12
5312 pig iron	59	---	---	59	---	53	6
5320 i&s primary forms	78	5	73	---	---	---	---
5330 i&s plates & sheets	50	---	39	11	---	5	6
5360 i&s bars & shapes	41	---	---	41	---	41	---
5390 primary i&s nec	15	---	---	15	---	15	---
Subtotal primary non-ferrous metal products	47	---	38	9	---	9	---
5421 copper	2	---	2	---	---	---	---
5429 smelted prod. nec	3	---	---	3	---	3	---
5480 fab. metal products	42	---	36	6	---	6	---
Total food and farm products	27	---	---	27	---	27	---
Subtotal other agricultural products	27	---	---	27	---	27	---
6861 sugar	27	---	---	27	---	27	---
Total all manufactured equipment, machinery and products	2	---	---	2	---	2	---
7110 machinerv (not elec)	2	---	---	2	---	2	---
Total unknown or not elsewhere classified	3	---	3	---	---	---	---
9900 unknown or nec	3	---	3	---	---	---	---
Ton-miles (x1000)	155,020	5	153	154,863	153,520	953	389

Tons All Traffic (x1000) 935
Ton-miles All Traffic (x1000) 155,020
Total Trip-ton-miles Internal and Intraport (x1000) 216,900

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
2007	14,613	2010	11,041	2013	11,060	2016	8,317
2008	13,769	2011	14,072	2014	11,892		
2009	10,584	2012	12,010	2015	9,854		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Through Downbnd	Inbound	Through Downbnd
Total, all commodities	1,757	262	5	1,337	153
Total crude materials, inedible except fuels	1,288	---	---	1,288	---
Subtotal soil, sand, gravel, rock and stone	261	---	---	261	---
4322 limestone	144	---	---	144	---
4331 sand & gravel	117	---	---	117	---
Subtotal iron ore and scrap	153	---	---	153	---
4410 iron ore	153	---	---	153	---
Subtotal non-ferrous ores and scrap	30	---	---	30	---
4650 aluminum ore	30	---	---	30	---
Subtotal sulphur, clay and salt	844	---	---	844	---
4782 clay & refrac. mat.	68	---	---	68	---
4783 salt	777	---	---	777	---
Total primary manufactured goods	447	261	5	32	150
Subtotal primary iron and steel products	376	244	5	16	112
5312 pig iron	30	19	---	11	---
5315 ferro alloys	23	23	---	---	---
5320 i&s primary forms	190	107	5	4	73
5330 i&s plates & sheets	111	73	---	---	39
5360 i&s bars & shapes	22	22	---	---	---
Subtotal primary non-ferrous metal products	71	17	---	16	38
5421 copper	2	---	---	---	2
5480 fab. metal products	69	17	---	16	36
Total food and farm products	0	0	---	---	---
Subtotal other agricultural products	0	0	---	---	---
6871 coffee	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	---	---	---
7600 rubber & plastic pr.	0	0	---	---	---
7900 manufac. prod. nec	0	0	---	---	---
Total unknown or not elsewhere classified	21	1	---	17	3
9900 unknown or nec	21	1	---	17	3
Ton-miles (x1000)	6,597	1,259	28	4,394	916
Foreign & Canadian					

Commodity	Total	Domestic			
		Coastwise		Lakewise	
		Shipments	Receipts	Shipments	Through Downbnd
Total, all commodities	2,860	16	1,350	941	554
Total coal	446	---	---	446	---
1100 coal & lignite	446	---	---	446	---
Total petroleum and petroleum products	1,104	---	1,027	53	23
Subtotal petroleum products	1,104	---	1,027	53	23
2330 distillate fuel oil	43	---	11	12	20
2340 residual fuel oil	3	---	0	---	3
2430 asphalt, tar & pitch	1,009	---	1,009	---	---
2540 petroleum coke	48	---	7	42	---
Total chemicals and related products	16	16	---	---	---
Subtotal other chemicals and related products	16	16	---	---	---
3220 alcohols	16	16	---	---	---
Total crude materials, inedible except fuels	276	---	268	8	---
Subtotal soil, sand, gravel, rock and stone	126	---	126	---	---
4322 limestone	126	---	126	---	---
Subtotal non-ferrous ores and scrap	6	---	---	6	---
4650 aluminum ore	6	---	---	6	---
Subtotal sulphur, clay and salt	142	---	142	---	---
4783 salt	142	---	142	---	---
Subtotal slag	2	---	---	2	---
4860 slag	2	---	---	2	---
Total primary manufactured goods	1,017	---	54	433	530
Subtotal lime, cement and glass	914	---	54	329	530
5220 cement & concrete	914	---	54	329	530
Subtotal primary iron and steel products	86	---	---	86	---
5312 pig iron	86	---	---	86	---
Subtotal primary non-ferrous metal products	18	---	---	18	---
5480 fab. metal products	18	---	---	18	---
Total food and farm products	1	---	---	1	---
Subtotal grain	1	---	---	1	---
6241 wheat	1	---	---	1	---

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Shipments	Lakewise		Through Downbnd
			Coastwise	Shipments	
Ton-miles (x1000)	271,415	32	8,107	109,739	153,537
Domestic					

Commodity	Total	Internal				
		Upbound	Downbnd	Through		Intra Downbnd
				Outbound	Upbound	
Total, all commodities	3,700	1,123	741	713	1,122	2
Total coal	52	—	1	26	24	—
1100 coal & lignite	24	—	—	—	24	—
1200 coal coke	28	—	1	26	—	—
Total petroleum and petroleum products	766	7	52	213	495	—
Subtotal petroleum products	766	7	52	213	495	—
2211 gasoline	84	—	—	61	23	—
2221 kerosene	13	—	—	13	—	—
2330 distillate fuel oil	457	7	45	48	357	—
2340 residual fuel oil	10	—	—	—	10	—
2350 lube oil & greases	6	—	—	—	6	—
2429 naphtha & solvents	161	—	—	78	83	—
2430 asphalt, tar & pitch	9	—	—	—	9	—
2540 petroleum coke	19	—	6	6	7	—
2990 petro. products nec	7	—	—	7	—	—
Total chemicals and related products	251	102	31	42	76	—
Subtotal fertilizers	95	53	—	42	—	—
3110 nitrogenous fert.	72	43	—	29	—	—
3130 potassic fert.	8	—	—	8	—	—
3190 fert. & mixes nec	15	10	—	4	—	—
Subtotal other chemicals and related products	156	49	31	—	76	—
3220 alcohols	37	6	31	—	—	—
3275 inorg. elem., oxides, & halogen salts	3	3	—	—	—	—
3276 metallic salts	78	1	—	—	76	—
3299 chem. products nec	38	38	—	—	—	—
Total crude materials, inedible except fuels	1,138	311	317	384	124	2
Subtotal soil, sand, gravel, rock and stone	103	31	—	72	—	—
4323 gypsum	72	—	—	72	—	—
4331 sand & gravel	20	20	—	—	—	—
4335 waterway improv. mat	11	11	—	—	—	—
Subtotal iron ore and scrap	533	4	238	251	39	—
4410 iron ore	241	1	36	189	14	—
4420 iron & steel scrap	292	3	202	62	25	—
Subtotal non-ferrous ores and scrap	110	102	8	—	—	—
4650 aluminum ore	54	54	—	—	—	—
4670 manganese ore	55	47	8	—	—	—
4690 non-ferrous ores nec	2	2	—	—	—	—
Subtotal sulphur, clay and salt	237	169	9	57	—	2
4782 clay & refrac. mat.	80	23	—	57	—	—
4783 salt	157	146	9	—	—	2
Subtotal slag	152	2	62	3	84	—
4860 slag	152	2	62	3	84	—
Subtotal other non-metal. min.	3	3	—	—	—	—
4900 non-metal. min. nec	3	3	—	—	—	—
Total primary manufactured goods	1,155	655	148	45	307	—
Subtotal lime, cement and glass	139	2	138	—	—	—
5220 cement & concrete	139	2	138	—	—	—
Subtotal primary iron and steel products	989	630	10	44	305	—
5312 pig iron	267	246	—	—	21	—
5315 ferro alloys	186	185	2	—	—	—
5330 i&s plates & sheets	172	75	6	23	68	—
5360 i&s bars & shapes	58	53	—	4	1	—
5370 i&s pipe & tube	1	1	—	—	—	—
5390 primary i&s nec	305	70	3	17	215	—
Subtotal primary non-ferrous metal products	27	24	—	1	1	—
5429 smelted prod. nec	4	4	—	—	—	—
5480 fab. metal products	23	20	—	1	1	—
Total food and farm products	314	28	192	—	93	—
Subtotal grain	170	6	117	—	47	—
6241 wheat	155	6	115	—	34	—
6344 corn	15	—	2	—	14	—
Subtotal oilseeds	122	—	76	—	46	—
6522 soybeans	122	—	76	—	46	—
Subtotal other agricultural products	22	22	—	—	—	—
6861 sugar	22	22	—	—	—	—
Total all manufactured equipment, machinery and products	26	19	—	3	3	—
7110 machinery (not elec)	8	2	—	3	3	—
7900 manufac. prod. nec	18	18	—	—	—	—
Ton-miles (x1000)	37,584	2,977	2,864	8,167	23,574	2
Internal						

Tons All Traffic (x1000) 8,317
Ton-miles All Traffic (x1000) 315,596
Total Trip-ton-miles Internal and Intraport (x1000) 3,760,541

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
2007	24,482	2010	18,534	2013	15,429	2016	16,424
2008	22,660	2011	20,351	2014	17,483		
2009	19,228	2012	17,159	2015	16,736		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign	
		Inbound	Canadian Inbound
Total, all commodities	1,757	267	1,490
Total crude materials, inedible except fuels	1,288	---	1,288
Subtotal soil, sand, gravel, rock and stone	261	---	261
4322 limestone	144	---	144
4331 sand & gravel	117	---	117
Subtotal iron ore and scrap	153	---	153
4410 iron ore	153	---	153
Subtotal non-ferrous ores and scrap	30	---	30
4650 aluminum ore	30	---	30
Subtotal sulphur, clay and salt	844	---	844
4782 clay & refrac. mat.	68	---	68
4783 salt	777	---	777
Total primary manufactured goods	447	266	182
Subtotal primary iron and steel products	376	249	127
5312 pig iron	30	19	11
5315 ferro alloys	23	23	---
5320 i&s primary forms	190	112	78
5330 i&s plates & sheets	111	73	39
5360 i&s bars & shapes	22	22	---
Subtotal primary non-ferrous metal products	71	17	54
5421 copper	2	---	2
5480 fab. metal products	69	17	52
Total food and farm products	0	0	---
Subtotal other agricultural products	0	0	---
6871 coffee	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	---
7600 rubber & plastic pr.	0	0	---
7900 manufac. prod. nec	0	0	---
Total unknown or not elsewhere classified	21	1	20
9900 unknown or nec	21	1	20

Commodity	Total	Domestic					
		Coastwise Shipments	Lakewise		Internal		
			Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	14,667	16	1,903	942	5,923	3,435	2,447
Total coal	500	---	---	446	---	54	---
1100 coal & lignite	446	---	---	446	---	---	---
1200 coal coke	54	---	---	---	---	54	---
Total petroleum and petroleum products	3,454	---	1,051	53	710	1,546	94
Subtotal petroleum products	3,454	---	1,051	53	710	1,546	94
2211 gasoline	185	---	---	---	127	51	7
2221 kerosene	125	---	---	---	125	---	---
2330 distillate fuel oil	579	---	32	12	150	323	63
2340 residual fuel oil	69	---	3	---	30	26	10
2350 lube oil & greases	17	---	---	---	14	2	---
2429 naphtha & solvents	207	---	---	---	89	114	4
2430 asphalt, tar & pitch	1,289	---	1,009	---	153	117	10
2540 petroleum coke	981	---	7	42	19	913	---
2640 hydrocarbon & petrol gases, liquefied and gaseous	3	---	---	---	3	---	---
Total chemicals and related products	1,458	16	---	---	883	475	84
Subtotal fertilizers	53	---	---	---	53	---	---
3110 nitrogenous fert.	43	---	---	---	43	---	---
3190 fert. & mixes nec	10	---	---	---	10	---	---
Subtotal other chemicals and related products	1,405	16	---	---	830	475	84
3212 benzene & toluene	45	---	---	---	---	45	---
3219 other hydrocarbons	68	---	---	---	32	---	36
3220 alcohols	697	16	---	---	203	429	48
3260 organic comp. nec	40	---	---	---	40	---	---
3274 sodium hydroxide	395	---	---	---	395	---	---
3275 inorg. elem., oxides, & halogen salts	18	---	---	---	18	---	---
3276 metallic salts	103	---	---	---	103	---	---
3299 chem. products nec	40	---	---	---	40	---	---
Total crude materials, inedible except fuels	6,030	---	268	9	2,484	1,000	2,268
Subtotal forest products, wood and chips	122	---	---	---	122	---	---
4161 wood chips	122	---	---	---	122	---	---
Subtotal soil, sand, gravel, rock and stone	4,277	---	126	---	1,831	64	2,256
4322 limestone	144	---	126	---	18	---	---

PORT OF CHICAGO, IL
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise Shipments	Lakewise		Internal		
			Receipts	Shipments	Receipts	Shipments	Intraport
4331 sand & gravel	3,596	—	—	—	1,802	64	1,729
4335 waterway improv. mat	11	—	—	—	11	—	—
4338 soil & fill dirt	527	—	—	—	—	—	527
Subtotal iron ore and scrap	869	—	—	2	3	863	2
4410 iron ore	38	—	—	—	1	36	—
4420 iron & steel scrap	831	—	—	2	2	826	2
Subtotal non-ferrous ores and scrap	119	—	—	6	106	8	—
4650 aluminum ore	60	—	—	6	54	—	—
4670 manganese ore	55	—	—	—	47	8	—
4690 non-ferrous ores nec	5	—	—	—	5	—	—
Subtotal sulphur, clay and salt	571	—	142	—	418	—	11
4782 clay & refrac. mat.	23	—	—	—	23	—	—
4783 salt	548	—	142	—	395	—	11
Subtotal slag	69	—	—	2	2	65	—
4860 slag	69	—	—	2	2	65	—
Subtotal other non-metal. min.	3	—	—	—	3	—	—
4900 non-metal. min. nec	3	—	—	—	3	—	—
Total primary manufactured goods	2,941	—	585	433	1,759	165	—
Subtotal lime, cement and glass	1,856	—	585	329	805	138	—
5220 cement & concrete	1,856	—	585	329	805	138	—
Subtotal primary iron and steel products	1,019	—	—	86	907	27	—
5312 pig iron	390	—	—	86	299	6	—
5315 ferro alloys	186	—	—	—	185	2	—
5320 i&s primary forms	1	—	—	—	1	—	—
5330 i&s plates & sheets	106	—	—	—	92	15	—
5360 i&s bars & shapes	193	—	—	—	193	—	—
5370 i&s pipe & tube	2	—	—	—	2	—	—
5390 primary i&s nec	140	—	—	—	136	5	—
Subtotal primary non-ferrous metal products	65	—	—	18	47	—	—
5429 smelted prod. nec	21	—	—	—	21	—	—
5480 fab. metal products	44	—	—	18	26	—	—
Total food and farm products	259	—	—	1	65	192	—
Subtotal grain	124	—	—	1	6	117	—
6241 wheat	123	—	—	1	6	115	—
6344 corn	2	—	—	—	—	2	—
Subtotal oilseeds	76	—	—	—	—	76	—
6522 soybeans	76	—	—	—	—	76	—
Subtotal other agricultural products	59	—	—	—	59	—	—
6861 sugar	59	—	—	—	59	—	—
Total all manufactured equipment, machinery and products	26	—	—	—	23	3	—
7110 machinery (not elec)	8	—	—	—	5	3	—
7900 manufac. prod. nec	18	—	—	—	18	—	—

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
2007	15,026	2010	10,169	2013	12,354	2016	12,217
2008	15,381	2011	12,141	2014	13,019		
2009	8,191	2012	13,164	2015	11,617		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic				
			Total	Lakewise		Internal	
				Receipts	Shipments	Receipts	Shipments
Total, all commodities	12,217	187	12,030	9,502	1,540	369	619
Total coal	31	—	31	11	—	20	—
1100 coal & lignite	11	—	11	11	—	—	—
1200 coal coke	20	—	20	—	—	20	—
Total petroleum and petroleum products	2,021	—	2,021	36	1,236	231	517
Subtotal petroleum products	2,021	—	2,021	36	1,236	231	517
2211 gasoline	93	—	93	—	—	70	23
2221 kerosene	13	—	13	—	—	13	—
2330 distillate fuel oil	505	—	505	10	68	48	380
2340 residual fuel oil	36	—	36	26	—	—	10
2350 lube oil & greases	6	—	6	—	—	—	6
2429 naphtha & solvents	161	—	161	—	—	78	83
2430 asphalt, tar & pitch	1,171	—	1,171	—	1,162	—	9
2540 petroleum coke	23	—	23	—	7	9	7
2990 petro. products nec	14	—	14	—	—	14	—
Total crude materials, inedible except fuels	10,099	187	9,912	9,454	304	115	39
Subtotal soil, sand, gravel, rock and stone	1,036	64	972	900	—	72	—
4322 limestone	935	35	900	900	—	—	—
4323 gypsum	72	—	72	—	—	72	—
4331 sand & gravel	29	29	—	—	—	—	—

INDIANA HARBOR, IN
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic				
			Total	Lakewise		Internal	
				Receipts	Shipments	Receipts	Shipments
Subtotal iron ore and scrap	8,683	58	8,625	8,546	—	39	39
4410 iron ore	8,653	58	8,595	8,546	—	34	14
4420 iron & steel scrap	30	—	30	—	—	5	25
Subtotal non-ferrous ores and scrap	30	30	—	—	—	—	—
4650 aluminum ore	30	30	—	—	—	—	—
Subtotal sulphur, clay and salt	35	35	—	—	—	—	—
4783 salt	35	35	—	—	—	—	—
Subtotal slag	315	—	315	8	304	3	—
4860 slag	315	—	315	8	304	3	—
Total primary manufactured goods	63	—	63	—	—	1	62
Subtotal primary iron and steel products	62	—	62	—	—	—	62
5312 pig iron	21	—	21	—	—	—	21
5330 i&s plates & sheets	28	—	28	—	—	—	28
5390 primary i&s nec	13	—	13	—	—	—	13
Subtotal primary non-ferrous metal products	1	—	1	—	—	1	—
5480 fab. metal products	1	—	1	—	—	1	—
Total all manufactured equipment, machinery and products	2	—	2	—	—	2	—
7110 machinery (not elec)	2	—	2	—	—	2	—

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
2007	6,495	2010	6,055	2013	7,970	2016	8,595
2008	6,283	2011	8,281	2014	9,607		
2009	4,026	2012	8,391	2015	8,950		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Inbound	Canadian Inbound	Domestic				
				Total	Lakewise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total, all commodities	8,595	394	870	7,331	6,654	140	274	262
Total coal	148	12	15	121	88	—	10	24
1100 coal & lignite	112	—	—	112	88	—	—	24
1200 coal coke	37	12	15	10	—	—	10	—
Total petroleum and petroleum products	14	—	—	14	9	4	—	—
Subtotal petroleum products	14	—	—	14	9	4	—	—
2330 distillate fuel oil	4	—	—	4	—	4	—	—
2340 residual fuel oil	9	—	—	9	9	—	—	—
Total chemicals and related products	113	14	30	69	27	—	42	—
Subtotal fertilizers	86	14	30	42	—	—	42	—
3110 nitrogenous fert.	43	14	—	29	—	—	29	—
3130 potassic fert.	38	—	30	8	—	—	8	—
3190 fert. & mixes nec	4	—	—	4	—	—	4	—
Subtotal other chemicals and related products	27	0	—	27	27	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—	—	—	—
3276 metallic salts	27	—	—	27	27	—	—	—
Total crude materials, inedible except fuels	7,547	—	656	6,891	6,495	136	176	84
Subtotal soil, sand, gravel, rock and stone	943	—	—	943	943	—	—	—
4322 limestone	943	—	—	943	943	—	—	—
Subtotal iron ore and scrap	6,182	—	563	5,619	5,500	—	119	—
4410 iron ore	6,103	—	563	5,540	5,476	—	64	—
4420 iron & steel scrap	79	—	—	79	24	—	55	—
Subtotal non-ferrous ores and scrap	61	—	61	—	—	—	—	—
4650 aluminum ore	61	—	61	—	—	—	—	—
Subtotal sulphur, clay and salt	110	—	—	110	52	—	57	—
4782 clay & refrac. mat.	57	—	—	57	—	—	57	—
4783 salt	52	—	—	52	52	—	—	—
Subtotal slag	252	—	32	220	—	136	—	84
4860 slag	252	—	32	220	—	136	—	84
Total primary manufactured goods	660	336	166	158	—	—	45	113
Subtotal primary iron and steel products	475	220	100	155	—	—	44	111
5320 i&s primary forms	174	140	34	—	—	—	—	—
5330 i&s plates & sheets	123	14	47	62	—	—	23	39
5360 i&s bars & shapes	71	66	—	5	—	—	4	1
5370 i&s pipe & tube	0	0	—	—	—	—	—	—
5390 primary i&s nec	106	—	19	88	—	—	17	71
Subtotal primary non-ferrous metal products	185	117	66	3	—	—	2	1
5480 fab. metal products	185	117	66	3	—	—	2	1
Total food and farm products	88	15	—	73	35	—	—	38
Subtotal grain	45	15	—	30	1	—	—	29
6241 wheat	17	—	—	17	1	—	—	15

BURNS WATERWAY HARBOR, IN
 Freight Traffic, 2016 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic				
		Inbound	Inbound	Total	Lakewise		Internal	
					Receipts	Shipments	Receipts	Shipments
6344 corn	28	15	—	14	—	—	—	14
Subtotal oilseeds	9	—	—	9	—	—	—	9
6522 soybeans	9	—	—	9	—	—	—	9
Subtotal processed grain and animal feed	34	—	—	34	34	—	—	—
6782 animal feed, prep.	34	—	—	34	34	—	—	—
Total all manufactured equipment, machinery and products	11	6	—	5	—	—	1	3
7110 machinery (not elec)	9	4	—	5	—	—	1	3
7120 electrical machinery	1	1	—	—	—	—	—	—
7210 vehicles & parts	0	0	—	—	—	—	—	—
7230 ships & boats	0	0	—	—	—	—	—	—
7400 manufac. wood prod.	0	0	—	—	—	—	—	—
7600 rubber & plastic pr.	1	1	—	—	—	—	—	—
7900 manufac. prod. nec	0	0	—	—	—	—	—	—
Total unknown or not elsewhere classified	14	11	4	—	—	—	—	—
9900 unknown or nec	14	11	4	—	—	—	—	—

Other Harbors and Waterways 2016

Harbor or Waterway	Commodity	Thousand Short Tons
Project		
CHICAGO HARBOR, IL (INCLUDED IN PORT OF CHICAGO)	1200 coal coke	3
	2211 gasoline	2
	2330 distillate fuel oil	23
	2540 petroleum coke	3
	3276 metallic salts	12
	4420 iron & steel scrap	2
	4783 salt	12
	5390 primary i&s nec	3
	5480 fab. metal products	2
	Total Tons(x1000)	61
	Total Ton-miles(x1000)	2,172
	Total Trip-ton-miles Internal and Intraport (x1000)	69,584
Non-project		
MICHIGAN CITY HARBOR, IN	No Commerce Reported	
WAUKEGAN HARBOR, IL	2340 residual fuel oil	0
	4323 gypsum	96
	4331 sand & gravel	0
	4335 waterway improv. mat	5
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7230 ships & boats	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	101
BUFFINGTON HARBOR, IN	1100 coal & lignite	177
	2340 residual fuel oil	1
	4322 limestone	1,161
	4331 sand & gravel	16
	4782 clay & refrac. mat.	35
	Total Tons(x1000)	1,389
GARY HARBOR, IN	2340 residual fuel oil	5
	4322 limestone	212
	4410 iron ore	7,816
	4420 iron & steel scrap	23
	4782 clay & refrac. mat.	16
	5330 i&s plates & sheets	1
	5390 primary i&s nec	131
	Total Tons(x1000)	8,206

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
2007	13,672	2010	13,877	2013	16,709	2016	15,432
2008	13,433	2011	15,630	2014	14,779		
2009	7,096	2012	16,210	2015	15,780		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Outbound	Lakewise Shipments
Total, all commodities	15,432	351	15,081
Total crude materials, inedible except fuels	15,432	351	15,081
Subtotal iron ore and scrap	15,432	351	15,081
4410 iron ore	15,432	351	15,081

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
2007	46,498	2010	36,598	2013	36,477	2016	30,278
2008	45,342	2011	35,081	2014	37,390		
2009	30,226	2012	34,683	2015	33,327		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise	
						Receipts	Shipments	
Total, all commodities	30,278	64	1,333	361	5,874	22,645	3,188	19,457
Total coal	10,232	---	---	---	376	9,855	172	9,683
1100 coal & lignite	10,232	---	---	---	376	9,855	172	9,683
Total petroleum and petroleum products	30	---	---	---	30	---	---	---
Subtotal petroleum products	30	---	---	---	30	---	---	---
2540 petroleum coke	30	---	---	---	30	---	---	---
Total chemicals and related products	48	---	---	---	---	48	48	---
Subtotal other chemicals and related products	48	---	---	---	---	48	48	---
products								
3276 metallic salts	48	---	---	---	---	48	48	---
Total crude materials, inedible except fuels	17,877	36	88	287	5,044	12,422	2,873	9,549
Subtotal soil, sand, gravel, rock and stone	2,897	---	---	40	---	2,857	2,857	---
4322 limestone	2,845	---	---	40	---	2,806	2,806	---
4331 sand & gravel	52	---	---	---	---	52	52	---
Subtotal iron ore and scrap	14,630	---	46	---	5,044	9,541	---	9,541
4410 iron ore	14,630	---	46	---	5,044	9,541	---	9,541
Subtotal sulphur, clay and salt	326	36	43	248	---	---	---	---
4782 clay & refrac. mat.	78	36	43	---	---	---	---	---
4783 salt	248	---	---	248	---	---	---	---
Subtotal slag	23	---	---	---	---	23	15	8
4860 slag	23	---	---	---	---	23	15	8
Total primary manufactured goods	189	20	---	74	---	95	95	---
Subtotal lime, cement and glass	180	19	---	66	---	95	95	---
5220 cement & concrete	180	19	---	66	---	95	95	---
Subtotal primary iron and steel products	8	---	---	8	---	---	---	---
5320 i&s primary forms	8	---	---	8	---	---	---	---
Subtotal primary non-ferrous metal products	1	1	---	---	---	---	---	---
5480 fab. metal products	1	1	---	---	---	---	---	---
Total food and farm products	1,811	---	1,245	---	342	224	---	224
Subtotal grain	1,495	---	959	---	311	224	---	224
6241 wheat	1,485	---	949	---	311	224	---	224
6344 corn	10	---	10	---	---	---	---	---
Subtotal oilseeds	100	---	100	---	---	---	---	---
6534 flaxseed	13	---	13	---	---	---	---	---
6590 oilseeds nec	88	---	88	---	---	---	---	---
Subtotal processed grain and animal feed	164	---	164	---	---	---	---	---
6782 animal feed, prep.	164	---	164	---	---	---	---	---
Subtotal other agricultural products	52	---	21	---	30	---	---	---
6889 food products nec	52	---	21	---	30	---	---	---
Total all manufactured equipment, machinery and products	62	9	---	---	53	---	---	---

DULUTH-SUPERIOR HARBOR, MN AND WI
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise	
							Receipts	Shipments
7110 machinery (not elec)	3	3	—	—	—	—	—	—
7120 electrical machinery	54	1	—	—	53	—	—	—
7210 vehicles & parts	3	3	—	—	—	—	—	—
7500 textile products	0	0	—	—	—	—	—	—
7600 rubber & plastic pr.	0	0	—	—	—	—	—	—
7900 manufac. prod. nec	2	2	—	—	—	—	—	—
Total unknown or not elsewhere classified	30	0	—	—	30	—	—	—
9900 unknown or nec	30	0	—	—	30	—	—	—

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
2007	8,792	2010	8,721	2013	8,294	2016	8,790
2008	8,808	2011	10,605	2014	9,100		
2009	6,990	2012	8,944	2015	7,206		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian Outbound	Domestic		
			Total	Lakewise	
				Receipts	Shipments
Total, all commodities	8,790	1,465	7,324	1,430	5,894
Total coal	1,404	—	1,404	1,404	—
1100 coal & lignite	1,404	—	1,404	1,404	—
Total crude materials, inedible except fuels	7,386	1,465	5,921	27	5,894
Subtotal soil, sand, gravel, rock and stone	27	—	27	27	—
4322 limestone	27	—	27	27	—
Subtotal iron ore and scrap	7,359	1,465	5,894	—	5,894
4410 iron ore	7,359	1,465	5,894	—	5,894

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
2007	1,136	2010	1,010	2013	1,024	2016	1,106
2008	1,222	2011	1,774	2014	1,273		
2009	626	2012	1,124	2015	1,045		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic	
			Receipts	Lakewise Shipments
Total coal	190	—	190	
1100 coal & lignite	190	—	190	
Total crude materials, inedible except fuels	915	364	551	
Subtotal soil, sand, gravel, rock and stone	915	364	551	
4322 limestone	915	364	551	
Total all manufactured equipment, machinery and products	1	—	1	
7110 machinery (not elec)	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
2007	1,533	2010	1,069	2013	1,075	2016	819
2008	1,116	2011	1,050	2014	1,122		
2009	1,040	2012	1,169	2015	788		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Outbound	Lakewise Shipments
Total, all commodities	819	286	534
Total crude materials, inedible except fuels	819	286	534
Subtotal soil, sand, gravel, rock and stone	775	242	534
4322 limestone	703	170	534
4331 sand & gravel	72	72	—
Subtotal iron ore and scrap	44	44	—
4410 iron ore	44	44	—
Total unknown or not elsewhere classified	0	0	—
9900 unknown or nec	0	0	—

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	28.8	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
2007	78,558	2010	68,343	2013	70,338	2016	63,569
2008	78,467	2011	69,794	2014	72,492		
2009	49,873	2012	68,802	2015	65,319		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian			
		Through		Inbound	Outbound	Through	
		Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	17,352	64	1,333	41	286	2,481	13,146
Total coal	1,876	—	—	—	—	1,260	616
1100 coal & lignite	1,861	—	—	—	—	1,260	600
1200 coal coke	15	—	—	—	—	—	15
Total petroleum and petroleum products	37	—	—	—	—	8	30
Subtotal petroleum products	37	—	—	—	—	8	30
2540 petroleum coke	37	—	—	—	—	8	30
Total chemicals and related products	108	—	—	—	—	—	108
Subtotal fertilizers	108	—	—	—	—	—	108
3130 potassic fert.	108	—	—	—	—	—	108

ST. MARYS RIVER, MI
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian			
		Through		Inbound	Outbound	Through	
		Upbound	Downbnd			Upbound	Downbnd
Total crude materials, inedible except fuels	11,344	36	88	---	286	1,107	9,827
Subtotal forest products, wood and chips	45	---	---	---	---	---	45
4189 lumber	45	---	---	---	---	---	45
Subtotal soil, sand, gravel, rock and stone	3,084	---	---	---	242	742	2,100
4322 limestone	2,046	---	---	---	170	742	1,135
4331 sand & gravel	1,037	---	---	---	72	0	965
Subtotal iron ore and scrap	7,061	---	46	---	44	82	6,890
4410 iron ore	7,035	---	46	---	44	56	6,890
4420 iron & steel scrap	26	---	---	---	---	26	---
Subtotal sulphur, clay and salt	744	36	43	---	---	284	382
4782 clay & refrac. mat.	460	36	43	---	---	---	382
4783 salt	284	---	---	---	---	284	---
Subtotal slag	410	---	---	---	---	---	410
4860 slac	410	---	---	---	---	---	410
Total primary manufactured goods	1,858	20	---	---	---	106	1,732
Subtotal lime, cement and glass	1,318	19	---	---	---	98	1,201
5220 cement & concrete	1,318	19	---	---	---	98	1,201
Subtotal primary iron and steel products	373	---	---	---	---	8	365
5320 i&s primary forms	243	---	---	---	---	8	234
5330 i&s plates & sheets	89	---	---	---	---	---	89
5390 primary i&s nec	42	---	---	---	---	---	42
Subtotal primary non-ferrous metal products	166	1	---	---	---	---	166
5421 copper	3	---	---	---	---	---	3
5480 fab. metal products	163	1	---	---	---	---	163
Total food and farm products	1,870	---	1,245	---	---	---	624
Subtotal grain	1,538	---	959	---	---	---	579
6241 wheat	1,448	---	949	---	---	---	499
6344 corn	10	---	10	---	---	---	---
6443 barley & rye	3	---	---	---	---	---	3
6445 oats	77	---	---	---	---	---	77
Subtotal oilseeds	100	---	100	---	---	---	---
6534 flaxseed	13	---	13	---	---	---	---
6590 oilseeds nec	88	---	88	---	---	---	---
Subtotal processed grain and animal feed	179	---	164	---	---	---	15
6747 grain mill products	15	---	---	---	---	---	15
6782 animal feed, prep.	164	---	164	---	---	---	---
Subtotal other agricultural products	52	---	21	---	---	---	30
6889 food products nec	52	---	21	---	---	---	30
Total all manufactured equipment, machinery and products	62	9	---	---	---	---	53
7110 machinery (not elec)	3	3	---	---	---	---	---
7120 electrical machinery	54	1	---	---	---	---	53
7210 vehicles & parts	3	3	---	---	---	---	---
7500 textile products	0	0	---	---	---	---	---
7600 rubber & plastic pr.	0	0	---	---	---	---	---
7900 manufac. prod. nec	2	2	---	---	---	---	---
Total unknown or not elsewhere classified	196	0	---	41	0	---	155
9900 unknown or nec	196	0	---	41	0	---	155
Ton-miles (x1000)	946,740	4,126	85,343	1,877	11,747	124,908	718,739
Foreign & Canadian							

Commodity	Total	Lakewise		
		Shipments	Through	
			Upbound	Downbnd
Total, all commodities	46,218	534	3,824	41,861
Total coal	8,040	---	226	7,814
1100 coal & lignite	8,040	---	226	7,814
Total chemicals and related products	48	---	48	---
Subtotal other chemicals and related products	48	---	48	---
3276 metallic salts	48	---	48	---
Total crude materials, inedible except fuels	37,809	534	3,453	33,823
Subtotal soil, sand, gravel, rock and stone	3,972	534	3,438	---
4322 limestone	3,920	534	3,386	---
4331 sand & gravel	52	---	52	---
Subtotal iron ore and scrap	33,814	---	---	33,814
4410 iron ore	33,814	---	---	33,814
Subtotal slag	23	---	15	8
4860 slac	23	---	15	8
Total primary manufactured goods	95	---	95	---
Subtotal lime, cement and glass	95	---	95	---
5220 cement & concrete	95	---	95	---
Subtotal primary non-ferrous metal products	0	---	0	---
5480 fab. metal products	0	---	0	---
Total food and farm products	224	---	---	224
Subtotal grain	224	---	---	224
6241 wheat	224	---	---	224
Total all manufactured equipment, machinery and products	1	---	1	---
7110 machinery (not elec)	1	---	1	---
Ton-miles (x1000)	2,933,997	10,199	244,712	2,679,086
Lakewise				

ST. MARYS RIVER, MI
Freight Traffic, 2016 - continued
(thousand short tons)

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

63,569
3,880,737

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
2007	72,361	2010	63,286	2013	65,446	2016	57,604
2008	72,034	2011	64,810	2014	66,986		
2009	45,222	2012	64,031	2015	60,231		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Lakewise	
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd
Total, all commodities	57,604	64	1,333	919	9,572	45,715	3,854	41,861
Total coal	8,795	—	—	155	600	8,040	226	7,814
1100 coal & lignite	8,795	—	—	155	600	8,040	226	7,814
Total petroleum and petroleum products	30	—	—	—	30	—	—	—
Subtotal petroleum products	30	—	—	—	30	—	—	—
2540 petroleum coke	30	—	—	—	30	—	—	—
Total chemicals and related products	156	—	—	—	108	48	48	—
Subtotal fertilizers	108	—	—	—	108	—	—	—
3130 potassic fert.	108	—	—	—	108	—	—	—
Subtotal other chemicals and related products	48	—	—	—	—	48	48	—
3276 metallic salts	48	—	—	—	—	48	48	—
Total crude materials, inedible except fuels	45,022	36	88	669	6,922	37,306	3,484	33,823
Subtotal forest products, wood and chips	45	—	—	—	45	—	—	—
4189 lumber	45	—	—	—	45	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,872	—	—	404	—	3,468	3,468	—
4322 limestone	3,820	—	—	404	—	3,417	3,417	—
4331 sand & gravel	52	—	—	—	—	52	52	—
Subtotal iron ore and scrap	40,720	—	46	—	6,860	33,814	—	33,814
4410 iron ore	40,720	—	46	—	6,860	33,814	—	33,814
Subtotal sulphur, clay and salt	361	36	43	265	18	—	—	—
4782 clay & refrac. mat.	96	36	43	—	18	—	—	—
4783 salt	265	—	—	265	—	—	—	—
Subtotal slag	23	—	—	—	—	23	15	8
4860 slag	23	—	—	—	—	23	15	8
Total primary manufactured goods	1,411	20	—	95	1,201	95	95	—
Subtotal lime, cement and glass	1,402	19	—	87	1,201	95	95	—
5220 cement & concrete	1,402	19	—	87	1,201	95	95	—
Subtotal primary iron and steel products	8	—	—	8	—	—	—	—
5320 i&s primary forms	8	—	—	8	—	—	—	—
Subtotal primary non-ferrous metal products	1	1	—	—	0	0	0	—
5480 fab. metal products	1	1	—	—	0	0	0	—
Total food and farm products	2,082	—	1,245	—	612	224	—	224
Subtotal grain	1,751	—	959	—	567	224	—	224
6241 wheat	1,661	—	949	—	487	224	—	224
6344 corn	10	—	10	—	—	—	—	—
6443 barley & rye	3	—	—	—	3	—	—	—
6445 oats	77	—	—	—	77	—	—	—
Subtotal oilseeds	100	—	100	—	—	—	—	—
6534 flaxseed	13	—	13	—	—	—	—	—
6590 oilseeds nec	88	—	88	—	—	—	—	—
Subtotal processed grain and animal feed	179	—	164	—	15	—	—	—
6747 grain mill products	15	—	—	—	15	—	—	—
6782 animal feed, prep.	164	—	164	—	—	—	—	—
Subtotal other agricultural products	52	—	21	—	30	—	—	—
6889 food products nec	52	—	21	—	30	—	—	—
Total all manufactured equipment, machinery and products	63	9	—	—	53	1	1	—
7110 machinery (not elec)	4	3	—	—	—	1	1	—
7120 electrical machinery	54	1	—	—	53	—	—	—
7210 vehicles & parts	3	3	—	—	—	—	—	—
7500 textile products	0	0	—	—	—	—	—	—
7600 rubber & plastic pr.	0	0	—	—	—	—	—	—
7900 manufac. prod. nec	2	2	—	—	—	—	—	—
Total unknown or not elsewhere classified	46	0	—	—	46	—	—	—
9900 unknown or nec	46	0	—	—	46	—	—	—
Ton-miles (x1000)	3,214,868	4,061	84,009	919	481,451	2,644,428	7,202	2,637,225

ST. MARYS FALLS CANAL, MI AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CN (INCLUDED IN ST. MARYS RIVER)
 Freight Traffic, 2016 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic	
		Through		Through		Total	Lakewise
		Upbound	Downbnd	Upbound	Downbnd	Through	
						Upbound	Downbnd

Tons All Traffic (x1000) **57,604**
Ton-miles All Traffic (x1000) **3,214,868**

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
2007	12,358	2010	7,680	2013	10,166	2016	5,432
2008	10,368	2011	10,729	2014	8,785		
2009	7,443	2012	11,216	2015	6,479		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Through		Through		Total	Coastwise	Lakewise		Internal
		Downbnd	Upbound	Downbnd	Upbound	Through	Through	Through	Through	
						Upbound	Upbound	Downbnd	Downbnd	
Total, all commodities	5,432	4	15	76	5,337	16	1,714	3,580	27	
Total coal	998	---	---	---	998	---	141	857	---	
1100 coal & lignite	978	---	---	---	978	---	141	837	---	
1200 coal coke	20	---	---	---	20	---	---	20	---	
Total petroleum and petroleum products	422	---	---	9	413	---	183	204	27	
Subtotal petroleum products	422	---	---	9	413	---	183	204	27	
2211 gasoline	122	---	---	---	122	---	20	82	20	
2330 distillate fuel oil	23	---	---	---	23	---	23	---	---	
2340 residual fuel oil	62	---	---	---	62	---	9	54	---	
2430 asphalt, tar & pitch	101	---	---	---	101	---	90	11	---	
2540 petroleum coke	108	---	---	9	98	---	42	57	---	
2990 petro. products nec	7	---	---	---	7	---	---	---	7	
Total chemicals and related products	120	---	---	---	120	16	104	---	---	
Subtotal other chemicals and related products	120	---	---	---	120	16	104	---	---	
3220 alcohols	24	---	---	---	24	16	8	---	---	
3276 metallic salts	96	---	---	---	96	---	96	---	---	
Total crude materials, inedible except fuels	2,983	---	4	67	2,911	---	1,158	1,753	---	
Subtotal soil, sand, gravel, rock and stone	1,788	---	4	20	1,765	---	865	900	---	
4322 limestone	1,656	---	4	---	1,652	---	865	787	---	
4323 gypsum	115	---	---	20	96	---	---	96	---	
4331 sand & gravel	17	---	---	---	17	---	---	17	---	
Subtotal iron ore and scrap	416	---	---	---	416	---	184	232	---	
4410 iron ore	416	---	---	---	416	---	184	232	---	
Subtotal non-ferrous ores and scrap	53	---	---	47	6	---	6	---	---	
4650 aluminum ore	53	---	---	47	6	---	6	---	---	
Subtotal sulphur, clay and salt	527	---	---	---	527	---	---	527	---	
4783 salt	527	---	---	---	527	---	---	527	---	
Subtotal slag	198	---	---	---	198	---	103	94	---	
4860 slag	198	---	---	---	198	---	103	94	---	
Total primary manufactured goods	905	---	11	---	894	---	127	767	---	
Subtotal lime, cement and glass	887	---	11	---	876	---	109	767	---	
5220 cement & concrete	887	---	11	---	876	---	109	767	---	
Subtotal primary non-ferrous metal products	18	---	---	---	18	---	18	---	---	
5480 fab. metal products	18	---	---	---	18	---	18	---	---	
Total all manufactured equipment, machinery and products	5	4	---	---	1	---	1	---	---	
7110 machinery (not elec)	4	3	---	---	1	---	1	---	---	
7900 manufac. prod. nec	1	1	---	---	---	---	---	---	---	
Ton-miles (x1000)	703,168	86	302	13,632	689,148	4,058	155,470	525,862	3,759	

Tons All Traffic (x1000) **5,432**
Ton-miles All Traffic (x1000) **703,186**
Total Trip-ton-miles Internal and Intraport (x1000) **135,545**

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
2007	510	2010	401	2013	271	2016	354
2008	511	2011	372	2014	406		
2009	531	2012	353	2015	392		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	354	29	326
Total coal	308	—	308
1100 coal & lignite	308	—	308
Total petroleum and petroleum products	17	17	—
Subtotal petroleum products	17	17	—
2540 petroleum coke	17	17	—
Total crude materials, inedible except fuels	29	12	17
Subtotal soil, sand, gravel, rock and stone	17	—	17
4322 limestone	17	—	17
Subtotal slag	12	12	—
4860 slag	12	12	—

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
2007	601	2010	212	2013	401	2016	552
2008	539	2011	408	2014	338		
2009	353	2012	430	2015	464		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic			
		Inbound	Outbound	Total	Lakewise		Internal Shipments
					Receipts	Shipments	
Total, all commodities	552	44	111	396	185	123	89
Total chemicals and related products	322	—	111	211	—	123	89
Subtotal other chemicals and related products	322	—	111	211	—	123	89
3276 metallic salts	322	—	111	211	—	123	89
Total crude materials, inedible except fuels	229	44	—	185	185	—	—
Subtotal soil, sand, gravel, rock and stone	185	—	—	185	185	—	—
4322 limestone	174	—	—	174	174	—	—
4331 sand & gravel	12	—	—	12	12	—	—
Subtotal sulphur, clay and salt	17	17	—	—	—	—	—
4782 clay & refrac. mat.	17	17	—	—	—	—	—
Subtotal slag	27	27	—	—	—	—	—
4860 slag	27	27	—	—	—	—	—

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
2007	2,086	2010	1,479	2013	1,479	2016	884
2008	2,116	2011	1,494	2014	1,850		
2009	1,737	2012	1,690	2015	1,656		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Inbound	Inbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	884	6	140	738	710	28
Total coal	28	—	—	28	—	28
1100 coal & lignite	28	—	—	28	—	28
Total crude materials, inedible except fuels	764	—	124	639	639	—
Subtotal soil, sand, gravel, rock and stone	510	—	21	489	489	—
4322 limestone	510	—	21	489	489	—
Subtotal sulphur, clay and salt	254	—	104	150	150	—
4782 clay & refrac. mat.	38	—	38	—	—	—
4783 salt	216	—	66	150	150	—
Total primary manufactured goods	70	—	—	70	70	—
Subtotal lime, cement and glass	70	—	—	70	70	—
5220 cement & concrete	70	—	—	70	70	—
Total unknown or not elsewhere classified	22	6	16	—	—	—
9900 unknown or nec	22	6	16	—	—	—

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
2007	1,128	2010	763	2013	751	2016	1,302
2008	1,080	2011	653	2014	723		
2009	868	2012	712	2015	1,163		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Inbound
Total, all commodities	1,302	131	21	1,150	1,145	5
Total coal	134	—	—	134	134	—
1100 coal & lignite	134	—	—	134	134	—
Total crude materials, inedible except fuels	1,007	131	21	855	850	5
Subtotal soil, sand, gravel, rock and stone	529	92	—	437	432	5
4322 limestone	408	—	—	408	403	5
4331 sand & gravel	120	92	—	28	28	—
Subtotal iron ore and scrap	21	—	21	—	—	—
4410 iron ore	21	—	21	—	—	—
Subtotal sulphur, clay and salt	39	39	—	—	—	—
4782 clay & refrac. mat.	33	33	—	—	—	—
4783 salt	6	6	—	—	—	—
Subtotal slag	419	—	—	419	419	—
4860 slag	419	—	—	419	419	—
Total primary manufactured goods	161	—	—	161	161	—
Subtotal lime, cement and glass	161	—	—	161	161	—
5220 cement & concrete	161	—	—	161	161	—
Ton-miles (x1000)	146,046	0	0	146,046	146,046	0

Tons All Traffic (x1000) 1,302
 Ton-miles All Traffic (x1000) 146,046
 Total Trip-ton-miles Internal and Intraport (x1000) 1,676

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
2007	392	2010	200	2013	207	2016	354
2008	432	2011	223	2014	210		
2009	324	2012	252	2015	375		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	354	16	26	312	258	54
Total coal	10	—	—	10	—	10
1100 coal & lignite	10	—	—	10	—	10
Total crude materials, inedible except fuels	344	16	26	302	258	44
Subtotal soil, sand, gravel, rock and stone	252	—	—	252	252	—
4322 limestone	219	—	—	219	219	—
4331 sand & gravel	33	—	—	33	33	—
Subtotal iron ore and scrap	70	—	26	44	—	44
4420 iron & steel scrap	70	—	26	44	—	44
Subtotal sulphur, clay and salt	16	16	—	—	—	—
4782 clay & refrac. mat.	16	16	—	—	—	—
Subtotal slag	6	—	—	6	6	—
4860 slag	6	—	—	6	6	—

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
2007	637	2010	286	2013	256	2016	282
2008	358	2011	235	2014	243		
2009	427	2012	272	2015	413		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	282	32	251
Total crude materials, inedible except fuels	102	32	70
Subtotal soil, sand, gravel, rock and stone	102	32	70
4322 limestone	70	—	70
4331 sand & gravel	32	32	—
Total primary manufactured goods	180	—	180
Subtotal lime, cement and glass	180	—	180
5220 cement & concrete	180	—	180

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
2007	4,019	2010	2,435	2013	3,129	2016	2,465
2008	3,240	2011	2,901	2014	2,977		
2009	3,381	2012	2,267	2015	2,649		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Inbound	Outbound	Inbound	Total	Lakewise		Internal	
					Receipts	Shipments	Shipments	Intraport	
Total, all commodities	2,465	216	255	839	1,156	976	124	55	1
Total petroleum and petroleum products	74	—	—	—	74	74	—	—	—
Subtotal petroleum products	74	—	—	—	74	74	—	—	—
2430 asphalt, tar & pitch	74	—	—	—	74	74	—	—	—
Total crude materials, inedible except fuels	1,119	—	—	838	281	191	90	—	0
Subtotal soil, sand, gravel, rock and stone	118	—	—	—	118	118	—	—	—
4322 limestone	118	—	—	—	118	118	—	—	—
4335 waterway improv. mat	0	—	—	—	0	0	—	—	—
Subtotal iron ore and scrap	0	—	—	—	0	—	—	—	0
4420 iron & steel scrap	0	—	—	—	0	—	—	—	0
Subtotal sulphur, clay and salt	861	—	—	788	73	73	—	—	—
4783 salt	861	—	—	788	73	73	—	—	—
Subtotal slag	140	—	—	50	90	—	90	—	—
4860 slag	140	—	—	50	90	—	90	—	—
Total primary manufactured goods	908	197	—	1	710	710	—	—	—
Subtotal lime, cement and glass	710	—	—	—	710	710	—	—	—
5220 cement & concrete	710	—	—	—	710	710	—	—	—
Subtotal primary iron and steel products	101	100	—	—	0	0	—	—	—
5320 i&s primary forms	81	81	—	—	—	—	—	—	—
5330 i&s plates & sheets	11	11	—	—	—	—	—	—	—
5360 i&s bars & shapes	8	8	—	—	0	0	—	—	—
Subtotal primary non-ferrous metal products	97	96	—	1	—	—	—	—	—
5480 fab. metal products	97	96	—	1	—	—	—	—	—
Total food and farm products	363	18	255	—	89	—	34	55	—
Subtotal grain	245	18	208	—	18	—	—	18	—
6241 wheat	18	—	—	—	18	—	—	18	—
6344 corn	208	—	208	—	—	—	—	—	—
6443 barley & rye	18	18	—	—	—	—	—	—	—
Subtotal oilseeds	84	—	47	—	37	—	—	37	—
6522 soybeans	84	—	47	—	37	—	—	37	—
Subtotal processed grain and animal feed	34	—	—	—	34	—	34	—	—

MILWAUKEE HARBOR, WI
 Freight Traffic, 2016 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Inbound	Outbound	Inbound	Total	Lakewise		Internal	
						Receipts	Shipments	Shipments	Intraport
6782 animal feed, prep.	34	---	---	---	34	---	---	34	---
Total all manufactured equipment, machinery and products	1	1	---	---	1	0	---	---	1
7110 machinery (not elec)	1	0	---	---	1	0	---	---	1
7210 vehicles & parts	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	---	---	---	---	---	---	---

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
2007	2,610	2010	1,910	2013	2,402	2016	1,790
2008	2,477	2011	2,178	2014	2,483		
2009	2,104	2012	1,958	2015	2,025		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic				
		Inbound	Outbound	Total	Lakewise		Internal	
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	1,790	281	43	1,467	1,388	61	13	5
Total coal	354	—	—	354	354	—	—	—
1100 coal & lignite	354	—	—	354	354	—	—	—
Total petroleum and petroleum products	172	20	—	152	110	29	13	—
Subtotal petroleum products	172	20	—	152	110	29	13	—
2211 gasoline	124	9	—	115	82	20	13	—
2330 distillate fuel oil	29	10	—	19	19	—	—	—
2340 residual fuel oil	18	—	—	18	9	9	—	—
Total chemicals and related products	51	—	43	8	—	8	—	—
Subtotal other chemicals and related products	51	—	43	8	—	8	—	—
3220 alcohols	51	—	43	8	—	8	—	—
Total crude materials, inedible except fuels	832	261	—	571	542	25	—	5
Subtotal soil, sand, gravel, rock and stone	512	39	—	473	468	—	—	5
4322 limestone	512	39	—	473	468	—	—	5
Subtotal sulphur, clay and salt	296	222	—	74	74	—	—	—
4782 clay & refrac. mat.	30	30	—	—	—	—	—	—
4783 salt	266	192	—	74	74	—	—	—
Subtotal slag	25	—	—	25	—	25	—	—
4860 slag	25	—	—	25	—	25	—	—
Total primary manufactured goods	382	—	—	382	382	—	—	—
Subtotal lime, cement and glass	381	—	—	381	381	—	—	—
5220 cement & concrete	381	—	—	381	381	—	—	—
5290 misc. mineral prod.	0	—	—	0	0	—	—	—
Subtotal primary iron and steel products	0	—	—	0	0	—	—	—
5370 i&s pipe & tube	0	—	—	0	0	—	—	—
Total all manufactured equipment, machinery and products	0	—	—	0	0	—	—	—
7230 ships & boats	0	—	—	0	0	—	—	—
Tons All Traffic (x1000)	1,790							
Total Trip-ton-miles Internal and Intraport (x1000)	51,373							

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
2007	3,477	2010	2,148	2013	2,224	2016	2,131
2008	3,099	2011	2,330	2014	2,249		
2009	2,199	2012	2,553	2015	2,410		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic				
		Inbound	Outbound	Total	Lakewise			
					Receipts	Shipments		
Total, all commodities	2,131	27	103	2,001	387	1,614		
Total coal	123	—	—	123	123	—	—	—
1100 coal & lignite	123	—	—	123	123	—	—	—
Total petroleum and petroleum products	129	—	—	129	129	—	—	—
Subtotal petroleum products	129	—	—	129	129	—	—	—
2540 petroleum coke	129	—	—	129	129	—	—	—
Total crude materials, inedible except fuels	144	27	—	117	117	—	—	—
Subtotal soil, sand, gravel, rock and stone	38	—	—	38	38	—	—	—
4322 limestone	10	—	—	10	10	—	—	—
4323 gypsum	28	—	—	28	28	—	—	—
Subtotal non-ferrous ores and scrap	17	11	—	6	6	—	—	—
4650 aluminum ore	17	11	—	6	6	—	—	—
Subtotal sulphur, clay and salt	17	17	—	—	—	—	—	—
4783 salt	17	17	—	—	—	—	—	—

ALPENA HARBOR, MI
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Subtotal slag	73	---	---	73	73	---
4860 slag	73	---	---	73	73	---
Total primary manufactured goods	1,736	---	103	1,632	18	1,614
Subtotal lime, cement and glass	1,718	---	103	1,614	---	1,614
5220 cement & concrete	1,718	---	103	1,614	---	1,614
Subtotal primary non-ferrous metal products	18	---	---	18	18	---
5480 fab. metal products	18	---	---	18	18	---

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
2007	4,335	2010	2,521	2013	2,487	2016	2,222
2008	3,681	2011	2,116	2014	2,023		
2009	2,915	2012	2,295	2015	2,534		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Inbound	Canadian		Domestic			
			Inbound	Outbound	Total	Lakewise Receipts	Internal	
							Upbound	Downbnd
Total, all commodities	2,222	16	283	11	1,912	1,862	9	42
Total coal	290	---	---	---	290	290	---	---
1100 coal & lignite	290	---	---	---	290	290	---	---
Total chemicals and related products	55	13	---	---	42	42	---	---
Subtotal fertilizers	13	13	---	---	---	---	---	---
3110 nitrogenous fert.	13	13	---	---	---	---	---	---
Subtotal other chemicals and related products	42	---	---	---	42	42	---	---
3276 metallic salts	42	---	---	---	42	42	---	---
Total crude materials, inedible except fuels	1,788	---	275	11	1,502	1,452	9	42
Subtotal soil, sand, gravel, rock and stone	1,587	---	74	11	1,502	1,452	9	42
4322 limestone	1,529	---	16	11	1,502	1,452	9	42
4331 sand & gravel	58	---	58	---	---	---	---	---
Subtotal sulphur, clay and salt	96	---	96	---	---	---	---	---
4782 clay & refrac. mat.	46	---	46	---	---	---	---	---
4783 salt	50	---	50	---	---	---	---	---
Subtotal slag	105	---	105	---	---	---	---	---
4860 slag	105	---	105	---	---	---	---	---
Total primary manufactured goods	87	1	8	---	78	78	---	---
Subtotal lime, cement and glass	78	---	---	---	78	78	---	---
5220 cement & concrete	78	---	---	---	78	78	---	---
Subtotal primary iron and steel products	8	---	8	---	---	---	---	---
5320 i&s primary forms	8	---	8	---	---	---	---	---
Subtotal primary non-ferrous metal products	1	1	---	---	---	---	---	---
5422 aluminum	0	0	---	---	---	---	---	---
5480 fab. metal products	1	1	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	2	2	---	---	---	---	---	---
7110 machinery (not elec)	2	2	---	---	---	---	---	---
7210 vehicles & parts	0	0	---	---	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---

Tons All Traffic (x1000) **2,222**
Total Trip-ton-miles Internal and Intraport (x1000) **283**

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
2007	73,087	2010	60,602	2013	57,591	2016	52,100
2008	65,010	2011	58,071	2014	57,981		
2009	46,081	2012	55,073	2015	53,342		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Inbound	Canadian	
		Through			Through	
		Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	17,596	982	1,589	44	3,518	11,464
Total coal	1,876	16	---	---	1,260	600
1100 coal & lignite	1,861	---	---	---	1,260	600
1200 coal coke	16	16	---	---	---	---
Total petroleum and petroleum products	441	---	---	---	135	306
Subtotal petroleum products	441	---	---	---	135	306
2211 gasoline	62	---	---	---	52	11
2330 distillate fuel oil	103	---	---	---	51	52
2340 residual fuel oil	32	---	---	---	8	24
2540 petroleum coke	244	---	---	---	25	219
Total chemicals and related products	275	27	---	---	39	209
Subtotal fertilizers	105	27	---	---	---	79
3110 nitrogenous fert.	27	27	---	---	---	---
3130 potassic fert.	79	---	---	---	---	79
Subtotal other chemicals and related products	169	0	---	---	39	130
3211 acyclic hydrocarbons	3	---	---	---	---	3
3212 benzene & toluene	17	---	---	---	---	17
3220 alcohols	43	---	---	---	---	43
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---	---
3276 metallic salts	68	---	---	---	---	68
3297 chemical additives	39	---	---	---	39	---
Total crude materials, inedible except fuels	10,004	45	88	44	1,908	7,920
Subtotal forest products, wood and chips	45	---	---	---	---	45
4189 lumber	45	---	---	---	---	45
Subtotal pulp and waste paper	9	9	---	---	---	---
4225 pulp & waste paper	9	9	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,203	---	---	34	121	2,048
4322 limestone	1,074	---	---	24	69	981
4323 gypsum	20	---	---	---	20	---
4331 sand & gravel	1,108	---	---	10	31	1,067
Subtotal iron ore and scrap	5,888	---	46	---	885	4,958
4410 iron ore	5,888	---	46	---	885	4,958
Subtotal non-ferrous ores and scrap	132	---	---	---	132	---
4650 aluminum ore	132	---	---	---	132	---
Subtotal sulphur, clay and salt	1,497	36	43	10	739	670
4782 clay & refrac. mat.	262	36	43	10	36	139
4783 salt	1,235	---	---	---	704	531
Subtotal slag	224	---	---	---	32	193
4860 slag	224	---	---	---	32	193
Subtotal other non-metal. min.	6	---	---	---	---	6
4900 non-metal. min. nec	6	---	---	---	---	6
Total primary manufactured goods	2,265	820	---	---	93	1,352
Subtotal lime, cement and glass	1,248	19	---	---	66	1,163
5220 cement & concrete	1,248	19	---	---	66	1,163
Subtotal primary iron and steel products	741	569	---	---	27	145
5312 pig iron	41	19	---	---	22	---
5315 ferro alloys	23	23	---	---	---	---
5320 i&s primary forms	457	334	---	---	4	119
5330 i&s plates & sheets	100	97	---	---	---	3
5360 i&s bars & shapes	96	96	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---
5390 primary i&s nec	23	---	---	---	---	23
Subtotal primary non-ferrous metal products	276	232	---	---	---	44
5421 copper	1	---	---	---	---	1
5422 aluminum	0	0	---	---	---	---
5480 fab. metal products	275	231	---	---	---	44
Total food and farm products	2,376	33	1,500	---	---	843
Subtotal grain	1,998	33	1,167	---	---	798
6241 wheat	1,663	---	949	---	---	714
6344 corn	233	15	218	---	---	---
6443 barley & rye	22	18	---	---	---	3
6445 oats	81	---	---	---	---	81
Subtotal oilseeds	147	---	147	---	---	---
6522 soybeans	47	---	47	---	---	---
6534 flaxseed	13	---	13	---	---	---
6590 oilseeds nec	88	---	88	---	---	---
Subtotal processed grain and animal feed	179	---	164	---	---	15
6747 grain mill products	15	---	---	---	---	15
6782 animal feed, prep.	164	---	164	---	---	---
Subtotal other agricultural products	52	0	21	---	---	30
6871 coffee	0	0	---	---	---	---
6889 food products nec	52	---	21	---	---	30
Total all manufactured equipment, machinery and products	81	25	0	---	---	56
7110 machinery (not elec)	18	15	0	---	---	3
7120 electrical machinery	54	1	---	---	---	53

PORT OF DETROIT, MI
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian		
		Through		Inbound	Through	
		Upbound	Downbnd		Upbound	Downbnd
7210 vehicles & parts	3	3	—	—	—	—
7230 ships & boats	0	0	—	—	—	—
7400 manufac. wood prod.	0	0	—	—	—	—
7500 textile products	0	0	—	—	—	—
7600 rubber & plastic pr.	1	1	—	—	—	—
7900 manufac. prod. nec	4	4	—	—	—	—
Total unknown or not elsewhere classified	278	17	—	—	83	178
9900 unknown or nec	278	17	—	—	83	178
Ton-miles (x1000)	685,144	38,287	61,959	599	137,189	447,110
Foreign & Canadian						

Commodity	Total	Domestic				
		Coastwise	Lakewise			Internal
			Through	Receipts	Through	
Downbnd	Upbound	Downbnd	Upbound		Downbnd	Upbound
Total, all commodities	34,504	16	6,843	2,113	25,498	34
Total coal	8,270	—	5,475	891	1,904	—
1100 coal & lignite	8,250	—	5,475	871	1,904	—
1200 coal coke	20	—	—	20	—	—
Total petroleum and petroleum products	506	—	—	359	112	34
Subtotal petroleum products	506	—	—	359	112	34
2211 gasoline	157	—	—	129	—	27
2330 distillate fuel oil	23	—	—	—	23	—
2340 residual fuel oil	75	—	—	75	—	—
2430 asphalt, tar & pitch	101	—	—	11	90	—
2540 petroleum coke	144	—	—	144	—	—
2990 petro. products nec	7	—	—	—	—	7
Total chemicals and related products	21	16	—	—	6	—
Subtotal other chemicals and related products	21	16	—	—	6	—
3220 alcohols	16	16	—	—	—	—
3276 metallic salts	6	—	—	—	6	—
Total crude materials, inedible except fuels	24,699	—	1,368	863	22,467	—
Subtotal soil, sand, gravel, rock and stone	7,157	—	1,368	119	5,670	—
4322 limestone	6,962	—	1,368	85	5,509	—
4323 gypsum	28	—	—	28	—	—
4331 sand & gravel	168	—	—	6	162	—
Subtotal iron ore and scrap	16,905	—	—	123	16,782	—
4410 iron ore	16,905	—	—	123	16,782	—
Subtotal sulphur, clay and salt	527	—	—	527	—	—
4783 salt	527	—	—	527	—	—
Subtotal slag	109	—	—	94	15	—
4860 slac	109	—	—	94	15	—
Total primary manufactured goods	784	—	—	—	784	—
Subtotal lime, cement and glass	784	—	—	—	784	—
5220 cement & concrete	784	—	—	—	784	—
Total food and farm products	224	—	—	—	224	—
Subtotal grain	224	—	—	—	224	—
6241 wheat	224	—	—	—	224	—
Ton-miles (x1000)	1,183,592	616	104,804	82,421	994,416	1,335
Domestic						
Tons All Traffic (x1000)	52,100					
Ton-miles All Traffic (x1000)	1,868,736					
Total Trip-ton-miles Internal and Intraport (x1000)	162,376					

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
2007	887	2010	435	2013	418	2016	482
2008	730	2011	554	2014	398		
2009	528	2012	453	2015	692		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	482	24	458
Total coal	12	—	12
1100 coal & lignite	12	—	12
Total crude materials, inedible except fuels	470	24	446
Subtotal soil, sand, gravel, rock and stone	470	24	446
4322 limestone	470	24	446

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
2007	4,478	2010	7,988	2013	7,221	2016	5,463
2008	7,880	2011	7,500	2014	6,917		
2009	8,074	2012	6,753	2015	7,473		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Domestic
		Lakewise Receipts
Total, all commodities	5,463	5,463
Total coal	5,463	5,463
1100 coal & lignite	5,463	5,463

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	4,100	2010	585	2013	567	2016	941
2008	1,010	2011	514	2014	585		
2009	478	2012	431	2015	880		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	941	20	922
Total crude materials, inedible except fuels	941	20	922
Subtotal soil, sand, gravel, rock and stone	932	10	922
4322 limestone	922	—	922
4331 sand & gravel	10	10	—
Subtotal sulphur, clay and salt	10	10	—
4782 clay & refrac. mat.	10	10	—

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
2007	63,205	2010	51,359	2013	49,004	2016	45,302
2008	54,933	2011	49,433	2014	50,048		
2009	36,465	2012	47,348	2015	44,355		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	17,258	982	1,589	3,501	11,187
Total coal	1,876	16	—	1,260	600
1100 coal & lignite	1,861	—	—	1,260	600
1200 coal coke	16	16	—	—	—
Total petroleum and petroleum products	424	—	—	118	306
Subtotal petroleum products	424	—	—	118	306
2211 gasoline	62	—	—	52	11
2330 distillate fuel oil	103	—	—	51	52
2340 residual fuel oil	32	—	—	8	24
2540 petroleum coke	227	—	—	8	219
Total chemicals and related products	275	27	—	39	209
Subtotal fertilizers	105	27	—	—	79
3110 nitrogenous fert.	27	27	—	—	—
3130 potassic fert.	79	—	—	—	79
Subtotal other chemicals and related products	169	0	—	39	130
3211 acyclic hydrocarbons	3	—	—	—	3
3212 benzene & toluene	17	—	—	—	17
3220 alcohols	43	—	—	—	43
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—
3276 metallic salts	68	—	—	—	68
3297 chemical additives	39	—	—	39	—
Total crude materials, inedible except fuels	9,682	45	88	1,908	7,642
Subtotal forest products, wood and chips	45	—	—	—	45
4189 lumber	45	—	—	—	45
Subtotal pulp and waste paper	9	9	—	—	—
4225 pulp & waste paper	9	9	—	—	—

CHANNELS IN LAKE ST. CLAIR
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Subtotal soil, sand, gravel, rock and stone	1,920	—	—	121	1,800
4322 limestone	914	—	—	69	844
4323 gypsum	20	—	—	20	—
4331 sand & gravel	987	—	—	31	955
Subtotal iron ore and scrap	5,888	—	46	885	4,958
4410 iron ore	5,888	—	46	885	4,958
Subtotal non-ferrous ores and scrap	132	—	—	132	—
4650 aluminum ore	132	—	—	132	—
Subtotal sulphur, clay and salt	1,458	36	43	739	640
4782 clay & refrac. mat.	223	36	43	36	109
4783 salt	1,235	—	—	704	531
Subtotal slag	224	—	—	32	193
4860 slag	224	—	—	32	193
Subtotal other non-metal. min.	6	—	—	—	6
4900 non-metal. min. nec	6	—	—	—	6
Total primary manufactured goods	2,265	820	—	93	1,352
Subtotal lime, cement and glass	1,248	19	—	66	1,163
5220 cement & concrete	1,248	19	—	66	1,163
Subtotal primary iron and steel products	741	569	—	27	145
5312 pig iron	41	19	—	22	—
5315 ferro alloys	23	23	—	—	—
5320 i&s primary forms	457	334	—	4	119
5330 i&s plates & sheets	100	97	—	—	3
5360 i&s bars & shapes	96	96	—	—	—
5370 i&s pipe & tube	0	0	—	—	—
5390 primary i&s nec	23	—	—	—	23
Subtotal primary non-ferrous metal products	276	232	—	—	44
5421 copper	1	—	—	—	1
5422 aluminum	0	0	—	—	—
5480 fab. metal products	275	231	—	—	44
Total food and farm products	2,376	33	1,500	—	843
Subtotal grain	1,998	33	1,167	—	798
6241 wheat	1,663	—	949	—	714
6344 corn	233	15	218	—	—
6443 barley & rye	22	18	—	—	3
6445 oats	81	—	—	—	81
Subtotal oilseeds	147	—	147	—	—
6522 soybeans	47	—	47	—	—
6534 flaxseed	13	—	13	—	—
6590 oilseeds nec	88	—	88	—	—
Subtotal processed grain and animal feed	179	—	164	—	15
6747 grain mill products	15	—	—	—	15
6782 animal feed, prep.	164	—	164	—	—
Subtotal other agricultural products	52	0	21	—	30
6871 coffee	0	0	—	—	—
6889 food products nec	52	—	21	—	30
Total all manufactured equipment, machinery and products	81	25	0	—	56
7110 machinery (not elec)	18	15	0	—	3
7120 electrical machinery	54	1	—	—	53
7210 vehicles & parts	3	3	—	—	—
7230 ships & boats	0	0	—	—	—
7400 manufac. wood prod.	0	0	—	—	—
7500 textile products	0	0	—	—	—
7600 rubber & plastic pr.	1	1	—	—	—
7900 manufac. prod. nec	4	4	—	—	—
Total unknown or not elsewhere classified	278	17	—	83	178
9900 unknown or nec	278	17	—	83	178
Ton-miles (x1000)	310,636	17,671	28,597	63,009	201,359
Foreign & Canadian					

Commodity	Total	Domestic			
		Coastwise	Lakewise		Internal
		Through	Through		Through
		Downbnd	Upbound	Downbnd	Upbound
Total, all commodities	28,044	16	2,496	25,498	34
Total coal	2,807	—	903	1,904	—
1100 coal & lignite	2,787	—	882	1,904	—
1200 coal coke	20	—	20	—	—
Total petroleum and petroleum products	506	—	359	112	34
Subtotal petroleum products	506	—	359	112	34
2211 gasoline	157	—	129	—	27
2330 distillate fuel oil	23	—	—	23	—
2340 residual fuel oil	75	—	75	—	—
2430 asphalt, tar & pitch	101	—	11	90	—
2540 petroleum coke	144	—	144	—	—
2990 petro. products nec	7	—	—	—	7
Total chemicals and related products	21	16	—	6	—
Subtotal other chemicals and related products	21	16	—	6	—
3220 alcohols	16	16	—	—	—
3276 metallic salts	6	—	—	6	—

CHANNELS IN LAKE ST. CLAIR
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise	Lakewise		Internal
		Through	Through		Through
		Downbnd	Upbound	Downbnd	Upbound
Total crude materials, inedible except fuels	23,702	---	1,235	22,467	---
Subtotal soil, sand, gravel, rock and stone	6,161	---	490	5,670	---
4322 limestone	5,965	---	457	5,509	---
4323 gypsum	28	---	28	---	---
4331 sand & gravel	168	---	6	162	---
Subtotal iron ore and scrap	16,905	---	123	16,782	---
4410 iron ore	16,905	---	123	16,782	---
Subtotal sulphur, clay and salt	527	---	527	---	---
4783 salt	527	---	527	---	---
Subtotal slag	109	---	94	15	---
4860 slag	109	---	94	15	---
Total primary manufactured goods	784	---	---	784	---
Subtotal lime, cement and glass	784	---	---	784	---
5220 cement & concrete	784	---	---	784	---
Total food and farm products	224	---	---	224	---
Subtotal grain	224	---	---	224	---
6241 wheat	224	---	---	224	---
Ton-miles (x1000)	504,794	284	44,933	458,961	616
Domestic					
Tons All Traffic (x1000)	45,302				
Ton-miles All Traffic (x1000)	815,430				
Total Trip-ton-miles Internal and Inraport (x1000)	162,376				

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
2007	68,762	2010	55,232	2013	52,861	2016	47,832
2008	59,741	2011	53,521	2014	54,010		
2009	40,168	2012	50,307	2015	47,774		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign			Canadian			
		Inbound	Through		Inbound	Outbound	Through	
			Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	18,331	358	982	1,589	2,231	133	3,686	9,352
Total coal	1,920	---	16	---	224	---	1,304	376
1100 coal & lignite	1,904	---	---	---	224	---	1,304	376
1200 coal coke	16	---	16	---	---	---	---	---
Total petroleum and petroleum products	471	---	---	---	261	15	103	92
Subtotal petroleum products	471	---	---	---	261	15	103	92
2211 gasoline	62	---	---	---	---	---	52	11
2330 distillate fuel oil	115	---	---	---	12	---	51	52
2340 residual fuel oil	44	---	---	---	36	8	---	---
2540 petroleum coke	250	---	---	---	213	8	---	30
Total chemicals and related products	275	---	27	---	---	---	39	209
Subtotal fertilizers	105	---	27	---	---	---	---	79
3110 nitrogenous fert.	27	---	27	---	---	---	---	---
3130 potassic fert.	79	---	---	---	---	---	---	79
Subtotal other chemicals and related products	169	---	0	---	---	---	39	130
3211 acyclic hydrocarbons	3	---	---	---	---	---	---	3
3212 benzene & toluene	17	---	---	---	---	---	---	17
3220 alcohols	43	---	---	---	---	---	---	43
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---	---
3276 metallic salts	68	---	---	---	---	---	---	68
3297 chemical additives	39	---	---	---	---	---	39	---
Total crude materials, inedible except fuels	10,203	---	45	88	963	118	2,042	6,947
Subtotal forest products, wood and chips	45	---	---	---	---	---	---	45
4189 lumber	45	---	---	---	---	---	---	45
Subtotal pulp and waste paper	9	---	9	---	---	---	---	---
4225 pulp & waste paper	9	---	9	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,175	---	---	---	342	118	209	1,505
4322 limestone	1,091	---	---	---	61	118	129	784
4323 gypsum	20	---	---	---	---	---	20	---
4331 sand & gravel	1,063	---	---	---	282	---	60	722
Subtotal iron ore and scrap	5,888	---	---	46	---	---	885	4,958
4410 iron ore	5,888	---	---	46	---	---	885	4,958
Subtotal non-ferrous ores and scrap	132	---	---	---	---	---	132	---
4650 aluminum ore	132	---	---	---	---	---	132	---

DETROIT RIVER, MI
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Foreign			Canadian			
		Inbound	Through		Inbound	Outbound	Through	
			Upbound	Downbnd			Upbound	Downbnd
Subtotal sulphur, clay and salt	1,564	---	36	43	261	---	785	439
4782 clay & refrac. mat.	223	---	36	43	27	---	36	82
4783 salt	1,341	---	---	---	234	---	750	357
Subtotal slag	385	---	---	---	354	---	32	---
4860 slag	385	---	---	---	354	---	32	---
Subtotal other non-metal. min.	6	---	---	---	6	---	---	---
4900 non-metal. min. nec	6	---	---	---	6	---	---	---
Total primary manufactured goods	2,577	291	820	---	733	---	93	640
Subtotal paper products	1	1	---	---	---	---	---	---
5190 paper products nec	1	1	---	---	---	---	---	---
Subtotal lime, cement and glass	1,254	---	19	---	615	---	66	554
5220 cement & concrete	1,254	---	19	---	615	---	66	554
Subtotal primary iron and steel products	1,003	262	569	---	74	---	27	72
5312 pig iron	41	---	19	---	---	---	22	---
5315 ferro alloys	23	---	23	---	---	---	---	---
5320 i&s primary forms	566	109	334	---	63	---	4	56
5330 i&s plates & sheets	179	78	97	---	3	---	---	0
5360 i&s bars & shapes	170	74	96	---	---	---	---	---
5370 i&s pipe & tube	0	---	0	---	---	---	---	---
5390 primary i&s nec	23	---	---	---	8	---	---	15
Subtotal primary non-ferrous metal products	318	28	232	---	44	---	---	15
5421 copper	1	---	---	---	1	---	---	---
5422 aluminum	14	---	0	---	14	---	---	---
5480 fab. metal products	304	28	231	---	29	---	---	15
Total food and farm products	2,503	60	33	1,500	---	---	22	888
Subtotal grain	2,043	---	33	1,167	---	---	---	843
6241 wheat	1,708	---	---	949	---	---	---	759
6344 corn	233	---	15	218	---	---	---	---
6443 barley & rye	22	---	18	---	---	---	---	3
6445 oats	81	---	---	---	---	---	---	81
Subtotal oilseeds	169	---	---	147	---	---	22	---
6522 soybeans	69	---	---	47	---	---	22	---
6534 flaxseed	13	---	---	13	---	---	---	---
6590 oilseeds nec	88	---	---	88	---	---	---	---
Subtotal processed grain and animal feed	179	---	---	164	---	---	---	15
6747 grain mill products	15	---	---	---	---	---	---	15
6782 animal feed, prep.	164	---	---	164	---	---	---	---
Subtotal other agricultural products	112	60	0	21	---	---	---	30
6861 sugar	60	60	---	---	---	---	---	---
6871 coffee	0	---	0	---	---	---	---	---
6889 food products nec	52	---	---	21	---	---	---	30
Total all manufactured equipment, machinery and products	88	7	25	0	---	---	---	56
7110 machinery (not elec)	22	4	15	0	---	---	---	3
7120 electrical machinery	54	0	1	---	---	---	---	53
7210 vehicles & parts	6	3	3	---	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---	---
7500 textile products	0	---	0	---	---	---	---	---
7600 rubber & plastic pr.	1	---	1	---	---	---	---	---
7900 manufac. prod. nec	4	0	4	---	---	---	---	---
Total unknown or not elsewhere classified	295	0	17	---	50	---	84	143
9900 unknown or nec	295	0	17	---	50	---	84	143
Ton-miles (x1000)	532,407	6,598	30,433	49,250	40,382	1,567	114,267	289,910
Foreign & Canadian								

Commodity	Total	Domestic				
		Through Downbnd	Lakewise			
			Receipts	Shipments	Through	
					Upbound	Downbnd
Total, all commodities	29,432	16	9,887	622	2,216	16,691
Total coal	3,656	---	865	---	903	1,888
1100 coal & lignite	3,636	---	865	---	882	1,888
1200 coal coke	20	---	---	---	20	---
Total petroleum and petroleum products	794	---	7	371	304	112
Subtotal petroleum products	794	---	7	371	304	112
2211 gasoline	129	---	---	---	129	---
2330 distillate fuel oil	23	---	---	---	---	23
2340 residual fuel oil	75	---	---	44	31	---
2430 asphalt, tar & pitch	423	---	7	327	---	90
2540 petroleum coke	144	---	---	---	144	---
Total chemicals and related products	21	16	---	---	---	6
Subtotal other chemicals and related products	21	16	---	---	---	6
3220 alcohols	16	16	---	---	---	---
3276 metallic salts	6	---	---	---	---	6
Total crude materials, inedible except fuels	23,952	---	8,553	251	1,010	14,139
Subtotal soil, sand, gravel, rock and stone	6,171	---	1,439	49	442	4,241
4322 limestone	5,975	---	1,439	49	408	4,080

DETROIT RIVER, MI
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise Through Downbnd	Lakewise			Through Downbnd
			Receipts	Shipments	Upbound	
4323 gypsum	28	---	---	---	28	---
4331 sand & gravel	168	---	---	---	6	162
Subtotal iron ore and scrap	16,931	---	6,900	108	41	9,882
4410 iron ore	16,931	---	6,900	108	41	9,882
Subtotal sulphur, clay and salt	741	---	214	---	527	---
4783 salt	741	---	214	---	527	---
Subtotal slag	109	---	---	94	---	15
4860 slag	109	---	---	94	---	15
Total primary manufactured goods	784	---	461	---	---	323
Subtotal lime, cement and glass	784	---	461	---	---	323
5220 cement & concrete	784	---	461	---	---	323
Total food and farm products	224	---	---	---	---	224
Subtotal grain	224	---	---	---	---	224
6241 wheat	224	---	---	---	---	224
Ton-miles (x1000)	800,168	489	199,607	13,953	68,690	517,429
Domestic						

Commodity	Total	Internal			
		Through Upbound	Upbound	Intra	
				Downbnd	Downbnd
Total, all commodities	69	34	29	29	6
Total petroleum and petroleum products	69	34	29	29	6
Subtotal petroleum products	69	34	29	29	6
2211 gasoline	27	27	---	---	---
2330 distillate fuel oil	29	---	---	29	---
2430 asphalt, tar & pitch	6	---	---	---	6
2990 petro. products nec	7	7	---	---	---
Ton-miles (x1000)	1,214	1,061	29	124	
Internal					
Tons All Traffic (x1000)	47,832				
Ton-miles All Traffic (x1000)	1,333,789				
Total Trip-ton-miles Internal and Intraport (x1000)	162,410				

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
2007	5,812	2010	5,176	2013	5,697	2016	5,177
2008	4,909	2011	5,205	2014	5,538		
2009	2,603	2012	5,347	2015	5,480		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign Inbound	Canadian		Domestic		
			Inbound	Outbound	Total	Lakewise	
						Receipts	Shipments
Total, all commodities	5,177	189	843	96	4,049	3,980	69
Total coal	224	---	224	---	---	---	---
1100 coal & lignite	224	---	224	---	---	---	---
Total petroleum and petroleum products	96	---	70	8	18	---	18
Subtotal petroleum products	96	---	70	8	18	---	18
2330 distillate fuel oil	12	---	12	---	---	---	---
2340 residual fuel oil	12	---	12	---	---	---	---
2430 asphalt, tar & pitch	18	---	---	---	18	---	18
2540 petroleum coke	53	---	46	8	---	---	---
Total crude materials, inedible except fuels	4,027	---	369	88	3,569	3,519	51
Subtotal soil, sand, gravel, rock and stone	258	---	75	88	95	95	---
4322 limestone	197	---	14	88	95	95	---
4331 sand & gravel	61	---	61	---	---	---	---
Subtotal iron ore and scrap	3,297	---	---	---	3,297	3,246	51
4410 iron ore	3,297	---	---	---	3,297	3,246	51
Subtotal sulphur, clay and salt	361	---	183	---	178	178	---
4783 salt	361	---	183	---	178	178	---
Subtotal slag	111	---	111	---	---	---	---
4860 slag	111	---	111	---	---	---	---
Total primary manufactured goods	797	188	147	---	461	461	---
Subtotal lime, cement and glass	505	---	43	---	461	461	---
5220 cement & concrete	505	---	43	---	461	461	---
Subtotal primary iron and steel products	228	163	65	---	---	---	---
5320 i&s primary forms	139	85	55	---	---	---	---
5330 i&s plates & sheets	15	12	3	---	---	---	---
5360 i&s bars & shapes	66	66	---	---	---	---	---
5390 primary i&s nec	8	---	8	---	---	---	---

DETROIT HARBOR, MI (INCLUDED IN PORT OF DETROIT)
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Inbound	Inbound	Outbound	Total	Lakewise	
						Receipts	Shipments
Subtotal primary non-ferrous metal products	64	26	38	---	---	---	---
5421 copper	1	---	1	---	---	---	---
5422 aluminum	8	---	8	---	---	---	---
5480 fab. metal products	55	26	29	---	---	---	---
Total all manufactured equipment, machinery and products	1	1	---	---	---	---	---
7110 machinery (not elec)	1	1	---	---	---	---	---
7120 electrical machinery	0	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---
Total unknown or not elsewhere classified	33	0	33	---	---	---	---
9900 unknown or nec	33	0	33	---	---	---	---

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
2007	8,374	2010	7,015	2013	6,763	2016	7,293
2008	7,487	2011	8,089	2014	7,533		
2009	5,504	2012	7,143	2015	7,073		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic			Internal Intraport
		Inbound	Outbound	Total	Lakewise		
					Receipts	Shipments	
Total, all commodities	7,293	1,375	37	5,881	5,294	553	35
Total coal	667	---	---	667	667	---	---
1100 coal & lignite	667	---	---	667	667	---	---
Total petroleum and petroleum products	593	191	8	394	7	353	35
Subtotal petroleum products	593	191	8	394	7	353	35
2330 distillate fuel oil	29	---	---	29	---	---	29
2340 residual fuel oil	76	24	8	44	---	44	---
2430 asphalt, tar & pitch	322	---	---	322	7	308	6
2540 petroleum coke	167	167	---	---	---	---	---
Total crude materials, inedible except fuels	5,444	594	30	4,820	4,619	200	---
Subtotal soil, sand, gravel, rock and stone	1,319	267	30	1,022	973	49	---
4322 limestone	1,098	46	30	1,022	973	49	---
4331 sand & gravel	221	221	---	---	---	---	---
Subtotal iron ore and scrap	3,686	---	---	3,686	3,628	57	---
4410 iron ore	3,686	---	---	3,686	3,628	57	---
Subtotal sulphur, clay and salt	96	78	---	18	18	---	---
4782 clay & refrac. mat.	27	27	---	---	---	---	---
4783 salt	69	51	---	18	18	---	---
Subtotal slag	337	243	---	94	---	94	---
4860 slag	337	243	---	94	---	94	---
Subtotal other non-metal. min.	6	6	---	---	---	---	---
4900 non-metal. min. nec	6	6	---	---	---	---	---
Total primary manufactured goods	572	572	---	---	---	---	---
Subtotal lime, cement and glass	572	572	---	---	---	---	---
5220 cement & concrete	572	572	---	---	---	---	---
Total unknown or not elsewhere classified	17	17	---	---	---	---	---
9900 unknown or nec	17	17	---	---	---	---	---

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
2007	531	2010	396	2013	324	2016	538
2008	373	2011	299	2014	624		
2009	550	2012	348	2015	329		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic	
		Inbound	Inbound	Lakewise Receipts	Shipments
Total, all commodities	538	109	14	415	415
Total crude materials, inedible except fuels	415	---	---	415	415
Subtotal soil, sand, gravel, rock and stone	371	---	---	371	371
4322 limestone	371	---	---	---	371
Subtotal iron ore and scrap	26	---	---	---	26
4410 iron ore	26	---	---	---	26
Subtotal sulphur, clay and salt	18	---	---	---	18
4783 salt	18	---	---	---	18

ECORSE, MI (INCLUDED IN PORT OF DETROIT)
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic
		Inbound	Inbound	Lakewise Receipts
Total primary manufactured goods	117	103	14	---
Subtotal paper products	1	1	---	---
5190 paper products nec	1	1	---	---
Subtotal primary iron and steel products	107	99	8	---
5320 i&s primary forms	33	25	8	---
5330 i&s plates & sheets	66	66	---	---
5360 i&s bars & shapes	8	8	---	---
Subtotal primary non-ferrous metal products	8	2	6	---
5422 aluminum	6	---	6	---
5480 fab. metal products	2	2	---	---
Total all manufactured equipment, machinery and products	7	7	---	---
7110 machinery (not elec)	4	4	---	---
7210 vehicles & parts	3	3	---	---

TRENTON, MI (INCLUDED IN PORT OF DETROIT)

Section Included: U.S. shore of Detroit River from foot of Sibley Road to foot of Parkway Drive. Controlling and Project Depths: 28 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	76	2010	41	2013	198	2016	258
2008	0	2011	53	2014	535		
2009	48	2012	79	2015	419		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	258	60	198
Total coal	198	---	198
1100 coal & lignite	198	---	198
Total food and farm products	60	60	---
Subtotal other agricultural products	60	60	---
6861 sugar	60	60	---

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
2007	14,941	2010	12,704	2013	12,981	2016	13,267
2008	12,836	2011	13,739	2014	14,147		
2009	8,824	2012	12,929	2015	13,285		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise	Internal	
						Receipts	Shipments	Intraport	
Total, all commodities	13,267	358	133	2,231	133	10,544	9,887	622	35
Total coal	1,089	---	---	224	---	865	865	---	---
1100 coal & lignite	1,089	---	---	224	---	865	865	---	---
Total petroleum and petroleum products	689	---	---	261	15	413	7	371	35
Subtotal petroleum products	689	---	---	261	15	413	7	371	35
2330 distillate fuel oil	41	---	---	12	---	29	---	---	29
2340 residual fuel oil	88	---	---	36	8	44	---	44	---
2430 asphalt, tar & pitch	340	---	---	---	---	340	7	327	6
2540 petroleum coke	220	---	---	213	8	---	---	---	---
Total crude materials, inedible except fuels	9,885	---	---	963	118	8,804	8,553	251	---
Subtotal soil, sand, gravel, rock and stone	1,948	---	---	342	118	1,488	1,439	49	---
4322 limestone	1,666	---	---	61	118	1,488	1,439	49	---
4331 sand & gravel	282	---	---	282	---	---	---	---	---
Subtotal iron ore and scrap	7,008	---	---	---	---	7,008	6,900	108	---
4410 iron ore	7,008	---	---	---	---	7,008	6,900	108	---
Subtotal sulphur, clay and salt	475	---	---	261	---	214	214	---	---
4782 clay & refrac. mat.	27	---	---	27	---	---	---	---	---
4783 salt	448	---	---	234	---	214	214	---	---
Subtotal slag	448	---	---	354	---	94	---	94	---
4860 slag	448	---	---	354	---	94	---	94	---
Subtotal other non-metal. min.	6	---	---	6	---	---	---	---	---
4900 non-metal. min. nec	6	---	---	6	---	---	---	---	---
Total primary manufactured goods	1,485	291	---	733	---	461	461	---	---
Subtotal paper products	1	1	---	---	---	---	---	---	---
5190 paper products nec	1	1	---	---	---	---	---	---	---

PORT OF DETROIT, MI
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Foreign			Domestic			
		Inbound	Canadian		Total	Lakewise		Internal Intraport
			Inbound	Outbound		Receipts	Shipments	
Subtotal lime, cement and glass	1,076	---	615	---	461	461	---	---
5220 cement & concrete	1,076	---	615	---	461	461	---	---
Subtotal primary iron and steel products	335	262	74	---	---	---	---	---
5320 i&s primary forms	172	109	63	---	---	---	---	---
5330 i&s plates & sheets	81	78	3	---	---	---	---	---
5360 i&s bars & shapes	74	74	---	---	---	---	---	---
5390 primary i&s nec	8	---	8	---	---	---	---	---
Subtotal primary non-ferrous metal products	72	28	44	---	---	---	---	---
5421 copper	1	---	1	---	---	---	---	---
5422 aluminum	14	---	14	---	---	---	---	---
5480 fab. metal products	57	28	29	---	---	---	---	---
Total food and farm products	60	60	---	---	---	---	---	---
Subtotal other agricultural products	60	60	---	---	---	---	---	---
6861 sucar	60	60	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	7	7	---	---	---	---	---	---
7110 machinery (not elec)	4	4	---	---	---	---	---	---
7120 electrical machinery	0	0	---	---	---	---	---	---
7210 vehicles & parts	3	3	---	---	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---	---
Total unknown or not elsewhere classified	50	0	50	---	---	---	---	---
9900 unknown or nec	50	0	50	---	---	---	---	---

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
2007	1,038	2010	2,413	2013	2,431	2016	2,680
2008	1,059	2011	2,251	2014	2,763		
2009	1,453	2012	2,308	2015	2,856		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	2,680	7	37	2,635	2,597	38
Total coal	2,278	---	---	2,278	2,278	---
1100 coal & lignite	2,278	---	---	2,278	2,278	---
Total petroleum and petroleum products	78	---	---	78	78	---
Subtotal petroleum products	78	---	---	78	78	---
2430 asphalt, tar & pitch	78	---	---	78	78	---
Total crude materials, inedible except fuels	317	---	37	279	242	38
Subtotal soil, sand, gravel, rock and stone	317	---	37	279	242	38
4322 limestone	252	---	---	252	242	10
4323 gypsum	65	---	37	28	---	28
Total primary manufactured goods	7	7	---	---	---	---
Subtotal primary iron and steel products	7	7	---	---	---	---
5330 i&s plates & sheets	0	0	---	---	---	---
5390 primary i&s nec	7	7	---	---	---	---

CALCITE, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	6,622	2010	4,760	2013	5,868	2016	4,658
2008	5,834	2011	5,590	2014	6,017		
2009	4,796	2012	4,718	2015	5,856		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian Outbound	Domestic		
			Total	Lakewise	
				Receipts	Shipments
Total, all commodities	4,658	22	4,636	14	4,623
Total crude materials, inedible except fuels	4,658	22	4,636	14	4,623
Subtotal soil, sand, gravel, rock and stone	4,658	22	4,636	14	4,623
4322 limestone	4,613	---	4,613	14	4,600
4331 sand & gravel	45	22	23	---	23

ESCANABA, MI
NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	5,861	2010	4,736	2013	3,757	2016	4,576
2008	6,340	2011	4,259	2014	4,553		
2009	4,855	2012	3,318	2015	3,934		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	4,576	3	62	4,511	39	4,472
Total coal	39	—	—	39	39	—
1100 coal & lignite	39	—	—	39	39	—
Total crude materials, inedible except fuels	4,530	—	59	4,470	—	4,470
Subtotal iron ore and scrap	4,530	—	59	4,470	—	4,470
4410 iron ore	4,530	—	59	4,470	—	4,470
Total primary manufactured goods	1	—	—	1	—	1
Subtotal primary iron and steel products	1	—	—	1	—	1
5360 i&s bars & shapes	0	—	—	0	—	0
5370 i&s pipe & tube	0	—	—	0	—	0
Subtotal primary non-ferrous metal products	0	—	—	0	—	0
5480 fab. metal products	0	—	—	0	—	0
Total all manufactured equipment, machinery and products	7	3	3	1	—	1
7110 machinery (not elec)	7	3	3	1	—	1

STONEPORT, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	6,670	2010	5,649	2013	6,316	2016	5,751
2008	6,625	2011	5,652	2014	5,937		
2009	4,847	2012	6,304	2015	6,234		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	5,751	23	394	5,334	27	5,308
Total coal	18	—	—	18	—	18
1100 coal & lignite	18	—	—	18	—	18
Total crude materials, inedible except fuels	5,710	—	394	5,316	27	5,290
Subtotal soil, sand, gravel, rock and stone	5,693	—	377	5,316	27	5,290
4322 limestone	5,637	—	344	5,294	27	5,267
4331 sand & gravel	56	—	33	23	—	23
Subtotal iron ore and scrap	17	—	17	—	—	—
4410 iron ore	17	—	17	—	—	—
Total unknown or not elsewhere classified	23	23	—	—	—	—
9900 unknown or nec	23	23	—	—	—	—

Other Harbors and Waterways 2016

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	No Commerce Reported	
AU SABLE HARBOR AND RIVER (OSCODA), MI	No Commerce Reported	
BAYFIELD HARBOR, WI	2211 gasoline	0
	2330 distillate fuel oil	0
	2640 hydrocarbon & petrol gases, liquefied and gaseous	1
	4335 waterway improv. mat	0
	5290 misc. mineral prod.	0
	7900 manufac. prod. nec	11
	Total Tons(x1000)	12
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	
CHARLEVOIX HARBOR, MI	9900 unknown or nec	14
	Total Tons(x1000)	14
CHEBOYGAN HARBOR, MI	2211 gasoline	99
	2340 residual fuel oil	12
	3220 alcohols	8
	4322 limestone	18
	4331 sand & gravel	12
	7900 manufac. prod. nec	1
	Total Tons(x1000)	149
CHIPPEWA HARBOR (ISLE ROYALE), MI	No Commerce Reported	
CLINTON RIVER, MICHIGAN	No Commerce Reported	
CORNUCOPIA HARBOR, WI	No Commerce Reported	
DETOUR, MI AND VICINITY (INCLUDED IN ST. MARYS RIVER)	No Commerce Reported	
DETROIT HARBOR, WI	2211 gasoline	1
	2330 distillate fuel oil	0
	2640 hydrocarbon & petrol gases, liquefied and gaseous	1
	4170 wood in the rough	0
	6134 fish (not shellfish)	0
	9900 unknown or nec	4
	Total Tons(x1000)	6
EAGLE HARBOR, MI	No Commerce Reported	
FRANKFORT HARBOR, MI	No Commerce Reported	
GLADSTONE HARBOR, MI	4783 salt	36
	Total Tons(x1000)	36
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MI	No Commerce Reported	
GRAND MARAIS HARBOR, MN	No Commerce Reported	
GRAND TRAVERSE BAY HARBOR, MI	No Commerce Reported	
HARBOR BEACH, MI (HARBOR OF REFUGE, LAKE HURON)	No Commerce Reported	
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	0
	4783 salt	18
	7900 manufac. prod. nec	1
	Total Tons(x1000)	19
	Total Ton-miles(x1000)	252
KNIFE RIVER HARBOR, MN	No Commerce Reported	
LA POINTE HARBOR, WI	2211 gasoline	0
	2330 distillate fuel oil	0
	2640 hydrocarbon & petrol gases, liquefied and gaseous	1
	7900 manufac. prod. nec	11
	Total Tons(x1000)	12
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	
MACKINAC HARBOR, MI	4331 sand & gravel	3
	7900 manufac. prod. nec	10
MACKINAW CITY HARBOR, MI	No Commerce Reported	
MANISTIQUE HARBOR, MI	2211 gasoline	1
	2330 distillate fuel oil	0
	Total Tons(x1000)	1
	Total Tons(x1000)	13

Other Harbors and Waterways 2016 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MANITOWOC HARBOR, WI	4322 limestone	6
	4860 slag	12
	5220 cement & concrete	152
	Total Tons(x1000)	169
MENOMINEE HARBOR AND RIVER, MI AND WI	1200 coal coke	4
	4225 pulp & waste paper	9
	4783 salt	51
	5312 pig iron	97
Total Tons(x1000)	160	
NEW BUFFALO HARBOR MI OCONTO HARBOR, WI ONTONAGON HARBOR, MI PENSAUKEE HARBOR, WI PENTWATER HARBOR, MI PORT HURON, MI (INCLUDED IN ST. CLAIR RIVER) PORT SANILAC HARBOR, MI PORT WASHINGTON HARBOR, WI PORT WING HARBOR, WI PUT-IN-BAY HARBOR, OH	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	2211 gasoline	1
	2330 distillate fuel oil	1
4322 limestone	5	
7900 manufac. prod. nec	1	
Total Tons(x1000)	8	
RACINE HARBOR, WI	4335 waterway improv. mat	0
	Total Tons(x1000)	0
ROGERS CITY, MI	2340 residual fuel oil	18
	Total Tons(x1000)	18
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MI SAULT STE. MARIE, MI (INCLUDED IN ST. MARYS RIVER)	No Commerce Reported	
	9900 unknown or nec	41
	Total Tons(x1000)	41
SEBEWAING, MI SHEBOYGAN HARBOR, WI SOUTH HAVEN HARBOR, MI ST. JAMES (BEAVER ISLAND), MI	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	2211 gasoline	1
	2330 distillate fuel oil	0
	9900 unknown or nec	14
Total Tons(x1000)	15	
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WI TACONITE HARBOR, MN	No Commerce Reported	
	1100 coal & lignite	209
	Total Tons(x1000)	209
TRAVERSE CITY HARBOR, MI TWO RIVERS HARBOR, WI WARROAD HARBOR, MN WHITE LAKE HARBOR, MI WHITEFISH POINT HARBOR, MI WYANDOTTE, MI (INCLUDED IN PORT OF DETROIT)	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
	No Commerce Reported	
Non-project MARBLEHEAD, OH	4322 limestone	2,576
	4331 sand & gravel	10
	4782 clay & refrac. mat.	5
	Total Tons(x1000)	2,591
PORT DOLOMITE, MI	4322 limestone	2,584
	4331 sand & gravel	95
	4782 clay & refrac. mat.	30
	Total Tons(x1000)	2,709
PORT INLAND, MI	4322 limestone	3,921
	4331 sand & gravel	142
	4860 slag	40
	Total Tons(x1000)	4,103
SILVER BAY, MN	1100 coal & lignite	67
	4322 limestone	34
	4410 iron ore	3,299
	Total Tons(x1000)	3,400

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
2007	12,468	2010	10,720	2013	8,837	2016	8,393
2008	10,955	2011	11,128	2014	11,278		
2009	9,682	2012	9,612	2015	8,495		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise		Internal Intraport
						Receipts	Shipments		
Total, all commodities	8,393	37	502	1,557	3,201	3,097	1,938	1,145	14
Total coal	3,015	—	—	—	2,181	834	—	834	—
1100 coal & lignite	2,995	—	—	—	2,181	814	—	814	—
1200 coal coke	20	—	—	—	—	20	—	20	—
Total petroleum and petroleum products	556	—	48	—	110	399	88	311	—
Subtotal petroleum products	556	—	48	—	110	399	88	311	—
2211 gasoline	142	—	—	—	13	129	—	129	—
2330 distillate fuel oil	23	—	—	—	—	23	23	—	—
2340 residual fuel oil	31	—	—	—	—	31	—	31	—
2430 asphalt, tar & pitch	73	—	—	—	—	73	66	7	—
2540 petroleum coke	288	—	48	—	97	144	—	144	—
Total chemicals and related products	43	17	—	26	—	—	—	—	—
Subtotal fertilizers	43	17	—	26	—	—	—	—	—
3110 nitrogenous fert.	17	17	—	—	—	—	—	—	—
3130 potassic fert.	26	—	—	26	—	—	—	—	—
Total crude materials, inedible except fuels	2,445	—	—	706	—	1,739	1,739	—	—
Subtotal forest products, wood and chips	45	—	—	45	—	—	—	—	—
4189 lumber	45	—	—	45	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	747	—	—	575	—	173	173	—	—
4322 limestone	510	—	—	337	—	173	173	—	—
4331 sand & gravel	237	—	—	237	—	—	—	—	—
Subtotal iron ore and scrap	1,508	—	—	21	—	1,487	1,487	—	—
4410 iron ore	1,487	—	—	—	—	1,487	1,487	—	—
4420 iron & steel scrap	21	—	—	21	—	—	—	—	—
Subtotal sulphur, clay and salt	145	—	—	66	—	79	79	—	—
4783 salt	145	—	—	66	—	79	79	—	—
Total primary manufactured goods	413	—	—	301	—	112	112	—	—
Subtotal lime, cement and glass	194	—	—	83	—	112	112	—	—
5220 cement & concrete	194	—	—	83	—	112	112	—	—
Subtotal primary iron and steel products	23	—	—	23	—	—	—	—	—
5320 i&s primary forms	22	—	—	22	—	—	—	—	—
5390 primary i&s nec	1	—	—	1	—	—	—	—	—
Subtotal primary non-ferrous metal products	196	—	—	196	—	—	—	—	—
5422 aluminum	183	—	—	183	—	—	—	—	—
5480 fab. metal products	13	—	—	13	—	—	—	—	—
Total food and farm products	1,828	—	455	450	910	14	—	—	14
Subtotal grain	880	—	303	450	113	14	—	—	14
6241 wheat	380	—	—	366	—	14	—	—	14
6344 corn	416	—	303	—	113	—	—	—	—
6443 barley & rye	3	—	—	3	—	—	—	—	—
6445 oats	81	—	—	81	—	—	—	—	—
Subtotal oilseeds	877	—	129	—	748	—	—	—	—
6522 soybeans	877	—	129	—	748	—	—	—	—
Subtotal other agricultural products	71	—	22	—	49	—	—	—	—
6889 food products nec	71	—	22	—	49	—	—	—	—
Total all manufactured equipment, machinery and products	12	12	—	—	—	—	—	—	—
7110 machinery (not elec)	4	4	—	—	—	—	—	—	—
7120 electrical machinery	1	1	—	—	—	—	—	—	—
7500 textile products	8	8	—	—	—	—	—	—	—
7900 manufac. prod. nec	0	0	—	—	—	—	—	—	—
Total unknown or not elsewhere classified	81	8	—	73	—	—	—	—	—
9900 unknown or nec	81	8	—	73	—	—	—	—	—

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
2007	3,880	2010	2,304	2013	2,988	2016	2,647
2008	2,765	2011	2,370	2014	2,139		
2009	1,654	2012	2,952	2015	1,614		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign			Domestic		
		Outbound	Canadian		Total	Lakewise	
			Inbound	Outbound		Receipts	Shipments
Total, all commodities	2,647	356	62	1,162	1,067	16	1,051
Total coal	2,423	275	—	1,097	1,051	—	1,051
1100 coal & lignite	2,423	275	—	1,097	1,051	—	1,051
Total crude materials, inedible except fuels	70	—	37	17	16	16	—
Subtotal soil, sand, gravel, rock and stone	37	—	37	—	—	—	—
4331 sand & gravel	37	—	37	—	—	—	—
Subtotal iron ore and scrap	17	—	—	17	—	—	—
4410 iron ore	17	—	—	17	—	—	—
Subtotal sulphur, clay and salt	16	—	—	—	16	16	—
4783 salt	16	—	—	—	16	16	—
Total food and farm products	128	80	—	48	—	—	—
Subtotal other agricultural products	128	80	—	48	—	—	—
6889 food products nec	128	80	—	48	—	—	—
Total unknown or not elsewhere classified	25	—	25	—	—	—	—
9900 unknown or nec	25	—	25	—	—	—	—

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
2007	1,143	2010	717	2013	367	2016	343
2008	1,002	2011	454	2014	543		
2009	472	2012	466	2015	338		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic	
		Inbound	Receipts	Lakewise	
				Receipts	Shipments
Total, all commodities	343	17	17	327	327
Total crude materials, inedible except fuels	343	17	17	327	327
Subtotal soil, sand, gravel, rock and stone	343	17	17	327	327
4322 limestone	327	—	—	327	327
4331 sand & gravel	17	17	—	—	—

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
2007	2,996	2010	853	2013	762	2016	771
2008	2,186	2011	667	2014	960		
2009	580	2012	656	2015	979		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Receipts	Lakewise		Shipments
				Receipts	Shipments	
Total, all commodities	771	220	551	524	27	
Total chemicals and related products	26	26	—	—	—	
Subtotal fertilizers	26	26	—	—	—	
3130 potassic fert.	26	26	—	—	—	

LORAIN HARBOR, OH
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Canadian		Domestic	
		Inbound	Outbound	Total	Lakewise
				Receipts	Shipments
Total crude materials, inedible except fuels	734	183	551	524	27
Subtotal soil, sand, gravel, rock and stone	646	122	524	524	—
4322 limestone	609	85	524	524	—
4331 sand & gravel	37	37	—	—	—
Subtotal iron ore and scrap	27	—	27	—	27
4410 iron ore	27	—	27	—	27
Subtotal sulphur, clay and salt	61	61	—	—	—
4782 clay & refrac. mat.	11	11	—	—	—
4783 salt	51	51	—	—	—
Total unknown or not elsewhere classified	11	11	—	—	—
9900 unknown or nec	11	11	—	—	—

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 upperproject 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
2007	12,793	2010	10,791	2013	11,454	2016	12,423
2008	10,637	2011	11,574	2014	12,999		
2009	6,076	2012	11,319	2015	13,697		

Freight Traffic, 2016 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total, all commodities	1,640	378	24	959	280
Total coal	0	0	—	—	—
1100 coal & lignite	0	0	—	—	—
Total petroleum and petroleum products	0	—	0	—	—
Subtotal petroleum products	0	—	0	—	—
2429 naophtha & solvents	0	—	0	—	—
Total chemicals and related products	5	5	0	—	—
Subtotal other chemicals and related products	5	5	0	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—
3276 metallic salts	0	0	—	—	—
3279 inorganic chem. nec	0	0	—	—	—
3281 radioactive material	0	0	—	—	—
3282 pigments & paints	0	0	—	—	—
3286 plastics	1	1	0	—	—
3297 chemical additives	0	—	0	—	—
3299 chem. products nec	4	4	0	—	—
Total crude materials, inedible except fuels	521	3	24	215	279
Subtotal forest products, wood and chips	1	1	—	—	—
4189 lumber	1	1	—	—	—
4190 forest products nec	0	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	75	—	—	75	—
4322 limestone	27	—	—	27	—
4331 sand & gravel	48	—	—	48	—
Subtotal sulphur, clay and salt	352	—	24	49	279
4782 clay & refrac. mat.	49	—	—	49	—
4783 salt	303	—	24	—	279
Subtotal slag	91	—	—	91	—
4860 slag	91	—	—	91	—
Subtotal other non-metal. min.	2	2	—	—	—
4900 non-metal. min. nec	2	2	—	—	—
Total primary manufactured goods	1,095	362	0	733	0
Subtotal paper products	0	0	—	—	—
5120 paper & paperboard	0	0	—	—	—
5190 paper products nec	0	0	—	—	—
Subtotal lime, cement and glass	683	0	—	683	—
5220 cement & concrete	683	—	—	683	—
5240 glass & glass prod.	0	0	—	—	—
5290 misc. mineral prod.	0	0	—	—	—
Subtotal primary iron and steel products	267	218	0	48	—
5320 i&s primary forms	187	153	0	34	—
5330 i&s plates & sheets	22	15	—	7	—
5360 i&s bars & shapes	46	46	—	—	—
5370 i&s pipe & tube	3	3	—	—	—
5390 primary i&s nec	8	1	—	7	—
Subtotal primary non-ferrous metal products	145	143	0	1	0
5421 copper	0	—	0	—	0
5422 aluminum	0	0	—	—	—
5480 fab. metal products	144	143	—	1	—

CLEVELAND HARBOR, OH
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Subtotal primary wood products	0	0	—	—	—
5540 primary wood prod.	0	0	—	—	—
Total food and farm products	1	1	—	0	—
Subtotal grain	0	0	—	—	—
6443 barley & rye	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	—	0	—
6889 food products nec	0	0	—	0	—
Total all manufactured equipment, machinery and products	7	7	0	—	0
7110 machinery (not elec)	4	4	—	—	0
7120 electrical machinery	1	1	—	—	—
7210 vehicles & parts	1	1	—	—	0
7230 ships & boats	0	0	—	—	—
7400 manufac. wood prod.	0	0	—	—	—
7500 textile products	0	0	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—
7900 manufac. prod. nec	0	0	0	—	0
Total unknown or not elsewhere classified	12	0	0	11	—
9900 unknown or nec	12	0	0	11	—

Commodity	Total	Domestic			
		Lakewise		Internal	
		Receipts	Shipments	Receipts	Intraport
Total, all commodities	10,782	7,078	585	1	3,118
Total coal	17	17	—	—	—
1100 coal & lignite	17	17	—	—	—
Total petroleum and petroleum products	118	106	6	—	6
Subtotal petroleum products	118	106	6	—	6
2430 asphalt, tar & pitch	118	106	6	—	6
Total chemicals and related products	6	6	—	—	—
Subtotal other chemicals and related products	6	6	—	—	—
3276 metallic salts	6	6	—	—	—
Total crude materials, inedible except fuels	10,446	6,754	579	—	3,112
Subtotal soil, sand, gravel, rock and stone	2,356	2,336	10	—	10
4322 limestone	2,265	2,244	10	—	10
4331 sand & gravel	92	92	—	—	—
Subtotal iron ore and scrap	7,399	4,385	14	—	3,000
4410 iron ore	7,399	4,385	14	—	3,000
Subtotal sulphur, clay and salt	676	18	555	—	103
4783 salt	676	18	555	—	103
Subtotal slag	15	15	—	—	—
4860 slag	15	15	—	—	—
Total primary manufactured goods	196	196	—	—	—
Subtotal lime, cement and glass	196	196	—	—	—
5220 cement & concrete	196	196	—	—	—
Total all manufactured equipment, machinery and products	1	—	—	1	—
7900 manufac. prod. nec	1	—	—	1	—

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
2007	2,107	2010	1,498	2013	1,461	2016	1,713
2008	1,798	2011	2,201	2014	1,719		
2009	1,122	2012	1,534	2015	1,570		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	1,713	192	26	1,495	1,061	434
Total crude materials, inedible except fuels	1,713	192	26	1,495	1,061	434
Subtotal soil, sand, gravel, rock and stone	1,259	192	—	1,067	1,061	6
4322 limestone	1,184	124	—	1,061	1,061	—
4331 sand & gravel	74	68	—	6	—	6
Subtotal sulphur, clay and salt	454	—	26	428	—	428
4783 salt	454	—	26	428	—	428

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
2007	5,580	2010	6,346	2013	4,954	2016	2,616
2008	6,906	2011	4,716	2014	4,834		
2009	3,448	2012	4,540	2015	3,909		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise	
							Receipts	Shipments
Total, all commodities	2,616	159	6	234	129	2,089	1,525	565
Total coal	402	—	—	—	129	273	—	273
1100 coal & lignite	402	—	—	—	129	273	—	273
Total crude materials, inedible except fuels	2,172	126	—	230	—	1,816	1,525	292
Subtotal soil, sand, gravel, rock and stone	1,211	—	—	50	—	1,161	1,161	—
4322 limestone	1,194	—	—	32	—	1,161	1,161	—
4331 sand & gravel	17	—	—	17	—	—	—	—
Subtotal iron ore and scrap	630	—	—	—	—	630	339	292
4410 iron ore	630	—	—	—	—	630	339	292
Subtotal non-ferrous ores and scrap	260	126	—	134	—	—	—	—
4680 non-ferrous scrap	146	12	—	134	—	—	—	—
4690 non-ferrous ores nec	113	113	—	—	—	—	—	—
Subtotal sulphur, clay and salt	70	—	—	46	—	24	24	—
4782 clay & refrac. mat.	17	—	—	17	—	—	—	—
4783 salt	53	—	—	29	—	24	24	—
Total primary manufactured goods	28	22	6	—	—	—	—	—
Subtotal primary non-ferrous metal products	28	22	6	—	—	—	—	—
5480 fab. metal products	28	22	6	—	—	—	—	—
Total food and farm products	11	11	—	—	—	—	—	—
Subtotal oilseeds	11	11	—	—	—	—	—	—
6522 soybeans	11	11	—	—	—	—	—	—
Total unknown or not elsewhere classified	4	—	—	4	—	—	—	—
9900 unknown or nec	4	—	—	4	—	—	—	—

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. 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
2007	5,009	2010	3,558	2013	4,772	2016	5,061
2008	4,654	2011	4,669	2014	4,800		
2009	3,122	2012	3,990	2015	4,130		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	5,061	17	1,051	3,993	3,966	27
Total crude materials, inedible except fuels	5,061	17	1,051	3,993	3,966	27
Subtotal soil, sand, gravel, rock and stone	61	17	—	44	17	27
4322 limestone	61	17	—	44	17	27
Subtotal iron ore and scrap	5,000	—	1,051	3,949	3,949	—
4410 iron ore	5,000	—	1,051	3,949	3,949	—

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
2007	1,253	2010	582	2013	575	2016	719
2008	749	2011	660	2014	615		
2009	590	2012	634	2015	772		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic			
			Total	Lakewise		Internal
				Receipts	Shipments	
Total, all commodities	719	7	712	638	16	58
Total crude materials, inedible except fuels	712	---	712	638	16	58
Subtotal soil, sand, gravel, rock and stone	584	---	584	511	16	58
4322 limestone	387	---	387	371	16	---
4331 sand & gravel	197	---	197	140	---	58
Subtotal iron ore and scrap	40	---	40	40	---	---
4410 iron ore	40	---	40	40	---	---
Subtotal sulphur, clay and salt	87	---	87	87	---	---
4783 salt	87	---	87	87	---	---
Total primary manufactured goods	7	7	---	---	---	---
Subtotal lime, cement and glass	7	7	---	---	---	---
5220 cement & concrete	7	7	---	---	---	---

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
2007	1,492	2010	1,206	2013	755	2016	625
2008	1,328	2011	843	2014	619		
2009	1,263	2012	725	2015	576		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic	
			Receipts	Shipments
Total, all commodities	625	287	338	338
Total crude materials, inedible except fuels	233	126	107	107
Subtotal soil, sand, gravel, rock and stone	90	---	90	90
4322 limestone	20	---	20	20
4331 sand & gravel	70	---	70	70
Subtotal sulphur, clay and salt	143	126	17	17
4783 salt	143	126	17	17
Total primary manufactured goods	76	69	7	7
Subtotal lime, cement and glass	76	69	7	7
5220 cement & concrete	76	69	7	7
Total food and farm products	317	92	224	224
Subtotal grain	317	92	224	224
6241 wheat	317	92	224	224

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
2007	1,618	2010	1,298	2013	826	2016	787
2008	1,457	2011	943	2014	701		
2009	1,367	2012	830	2015	671		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	787	287	500
Total petroleum and petroleum products	162	---	162
Subtotal petroleum products	162	---	162
2430 asphalt, tar & pitch	162	---	162
Total crude materials, inedible except fuels	233	126	107
Subtotal soil, sand, gravel, rock and stone	90	---	90
4322 limestone	20	---	20
4331 sand & gravel	70	---	70
Subtotal sulphur, clay and salt	143	126	17
4783 salt	143	126	17
Total primary manufactured goods	76	69	7
Subtotal lime, cement and glass	76	69	7
5220 cement & concrete	76	69	7
Total food and farm products	317	92	224
Subtotal grain	317	92	224
6241 wheat	317	92	224

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
2007	558	2010	362	2013	536	2016	406
2008	436	2011	342	2014	420		
2009	303	2012	417	2015	408		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	406	398	8
Total chemicals and related products	17	17	---
Subtotal fertilizers	17	17	---
3130 potassic fert.	17	17	---
Total crude materials, inedible except fuels	40	40	---
Subtotal sulphur, clay and salt	40	40	---
4783 salt	40	40	---
Total primary manufactured goods	321	313	8
Subtotal lime, cement and glass	232	224	8
5220 cement & concrete	232	224	8
Subtotal primary non-ferrous metal products	88	88	---
5422 aluminum	88	88	---
5480 fab. metal products	0	0	---
Total food and farm products	28	28	---
Subtotal grain	13	13	---
6344 corn	13	13	---
Subtotal processed grain and animal feed	15	15	---
6747 grain mill products	15	15	---
Total all manufactured equipment, machinery and products	0	0	---
7900 manufac. prod. nec	0	0	---
Total unknown or not elsewhere classified	1	1	---
9900 unknown or nec	1	1	---

Other Harbors and Waterways 2016

Harbor or Waterway Project	Commodity	Thousand Short Tons
BARCELONA HARBOR, NY	No Commerce Reported	
CAPE VINCENT, NY	No Commerce Reported	
DUNKIRK HARBOR, NY	No Commerce Reported	
GREAT SODUS BAY HARBOR, NY	No Commerce Reported	
IRONDEQUOIT BAY HARBOR, NEW YORK	No Commerce Reported	
KELLEYS ISLAND, OH	No Commerce Reported	
NIAGARA FALLS, NY	No Commerce Reported	
NIAGARA RIVER, NY (INCLUDED IN PORT OF BUFFALO)	2430 asphalt, tar & pitch	162
	Total Tons(x1000)	162
	Total Ton-miles(x1000)	2,334
OGDENSBURG HARBOR, NY	4783 salt	78
	5390 primary i&s nec	0
	5480 fab. metal products	0
	7110 machinery (not elec)	5
	7210 vehicles & parts	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	8
	Total Tons(x1000)	91
PORT CLINTON HARBOR, OH	4322 limestone	2
	Total Tons(x1000)	2
ROCHESTER (CHARLOTTE) HARBOR, NY	5220 cement & concrete	113
	Total Tons(x1000)	113
SACKETS HARBOR, NY	No Commerce Reported	
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. Maintained Depth: 9 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	35,648	2010	32,042	2013	25,464	2016	36,060
2008	32,647	2011	32,167	2014	35,313		
2009	32,276	2012	31,014	2015	33,537		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	36,060	5,507	664	2,022	19,044	4,163	3,468	989	203
Total coal	1,004	110	—	—	44	29	78	742	—
1100 coal & lignite	876	110	—	—	—	—	24	742	—
1200 coal coke	127	—	—	—	44	29	54	—	—
Total petroleum and petroleum products	6,062	889	118	140	2,738	456	1,615	79	27
Subtotal petroleum products	6,062	889	118	140	2,738	456	1,615	79	27
2211 gasoline	234	37	—	—	44	134	19	—	—
2221 kerosene	138	—	—	—	—	138	—	—	—
2330 distillate fuel oil	1,779	41	73	21	1,037	75	529	3	—
2340 residual fuel oil	376	18	—	20	284	10	36	9	—
2350 lube oil & greases	110	87	—	—	—	14	8	—	—
2429 naphtha & solvents	235	183	—	—	9	7	36	—	—
2430 asphalt, tar & pitch	623	30	31	96	234	51	89	65	27
2540 petroleum coke	2,121	54	14	3	1,130	18	899	2	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	3	—	—	—	—	3	—	—	—
2990 petro. products nec	445	438	—	—	—	7	—	—	—
Total chemicals and related products	5,746	2,778	11	100	1,555	736	464	31	71
Subtotal fertilizers	1,953	1,616	—	15	197	80	—	31	14
3110 nitrogenous fert.	967	885	—	15	5	57	—	—	5
3120 phosphatic fert.	26	20	—	—	6	—	—	—	—
3130 potassic fert.	493	262	—	—	184	8	—	30	9
3190 fert. & mixes nec	466	448	—	—	2	15	—	1	—
Subtotal other chemicals and related products	3,793	1,162	11	85	1,357	656	464	—	57
3211 acyclic hydrocarbons	32	32	—	—	—	—	—	—	—
3212 benzene & toluene	55	10	—	—	—	—	45	—	—
3219 other hydrocarbons	668	608	—	—	3	32	—	—	25
3220 alcohols	2,086	82	11	85	1,339	118	418	—	32
3230 carboxylic acids	22	22	—	—	—	—	—	—	—
3260 organic comp. nec	82	38	—	—	4	40	—	—	—
3273 ammonia	157	152	—	—	5	—	—	—	—
3274 sodium hydroxide	506	111	—	—	—	395	—	—	—
3275 inorg. elem., oxides, & halogen salts	18	—	—	—	—	18	—	—	—
3276 metallic salts	66	52	—	—	—	14	—	—	—
3279 inorganic chem. nec	6	6	—	—	—	—	—	—	—
3292 starches, gluten, glue	6	—	—	—	6	—	—	—	—
3299 chem. products nec	89	50	—	—	—	40	—	—	—
Total crude materials, inedible except fuels	5,117	823	332	1,782	154	1,048	753	135	90
Subtotal forest products, wood and chips	244	122	—	—	—	122	—	—	—
4161 wood chips	244	122	—	—	—	122	—	—	—
Subtotal soil, sand, gravel, rock and stone	2,407	104	64	1,777	132	126	—	125	78
4322 limestone	87	69	—	—	—	18	—	—	—
4323 gypsum	103	30	—	—	—	72	—	—	—
4327 phosphate rock	26	—	—	—	26	—	—	—	—
4331 sand & gravel	2,177	5	64	1,777	105	25	—	125	75
4335 waterway improv. mat	14	—	—	—	—	11	—	—	3
Subtotal iron ore and scrap	1,151	41	268	2	19	214	595	2	11
4410 iron ore	245	4	—	—	—	190	50	—	—
4420 iron & steel scrap	906	36	268	2	19	23	545	2	11
Subtotal non-ferrous ores and scrap	161	48	—	—	—	106	8	—	—
4650 aluminum ore	77	23	—	—	—	54	—	—	—
4670 manganese ore	79	25	—	—	—	47	8	—	—
4690 non-ferrous ores nec	5	—	—	—	—	5	—	—	—
Subtotal sulphur, clay and salt	992	508	—	—	—	475	—	8	2
4782 clay & refrac. mat.	86	6	—	—	—	80	—	—	—
4783 salt	906	501	—	—	—	395	—	8	2
Subtotal slag	158	—	—	3	3	2	150	—	—
4860 slag	158	—	—	3	3	2	150	—	—
Subtotal other non-metal. min.	5	2	—	—	—	3	—	—	—
4900 non-metal. min. nec	5	2	—	—	—	3	—	—	—
Total primary manufactured goods	2,971	637	203	—	43	1,805	268	—	14
Subtotal lime, cement and glass	1,252	295	—	—	—	805	138	—	14

ILLINOIS RIVER, IL (INCLUDED IN THE ILLINOIS WATERWAY CONSOLIDATED)
 Freight Traffic, 2016 - continued
 (thousand short tons)

Commodity	Grand Total	Internal								
		Inbound		Outbound		Through		Intra		
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
5210 lime	14	—	—	—	—	—	—	—	—	14
5220 cement & concrete	1,238	295	—	—	—	805	138	—	—	—
Subtotal primary iron and steel products	1,658	334	202	—	42	950	130	—	—	—
5312 pig iron	638	312	—	—	—	299	27	—	—	—
5315 ferro alloys	190	3	—	—	—	185	2	—	—	—
5320 i&s primary forms	1	—	—	—	—	1	—	—	—	—
5330 i&s plates & sheets	199	2	6	—	—	115	77	—	—	—
5360 i&s bars & shapes	236	12	—	—	26	196	1	—	—	—
5370 i&s pipe & tube	8	—	—	—	6	2	—	—	—	—
5390 primary i&s nec	385	4	196	—	9	153	23	—	—	—
Subtotal primary non-ferrous metal products	61	8	1	—	2	50	—	—	—	—
5422 aluminum	2	—	—	—	2	—	—	—	—	—
5429 smelted prod. nec	21	—	—	—	—	21	—	—	—	—
5480 fab. metal products	39	8	1	—	—	29	—	—	—	—
Total food and farm products	15,131	269	—	—	14,511	65	286	1	—	—
Subtotal grain	7,949	9	—	—	7,770	6	164	—	—	—
6241 wheat	176	—	—	—	21	6	149	—	—	—
6344 corn	7,773	9	—	—	7,749	—	15	—	—	—
Subtotal oilseeds	4,491	20	—	—	4,350	—	122	—	—	—
6522 soybeans	4,470	7	—	—	4,341	—	122	—	—	—
6590 oilseeds nec	22	13	—	—	9	—	—	—	—	—
Subtotal vegetable products	165	165	—	—	—	—	—	—	—	—
6653 vegetable oils	165	165	—	—	—	—	—	—	—	—
Subtotal processed grain and animal feed	2,367	5	—	—	2,361	—	—	1	—	—
6747 grain mill products	16	—	—	—	16	—	—	—	—	—
6782 animal feed, prep.	2,351	5	—	—	2,345	—	—	1	—	—
Subtotal other agricultural products	158	69	—	—	30	59	—	—	—	—
6861 sugar	59	—	—	—	—	59	—	—	—	—
6865 molasses	69	69	—	—	—	—	—	—	—	—
6885 alcoholic beverages	30	—	—	—	30	—	—	—	—	—
Total all manufactured equipment, machinery and products	30	2	—	—	—	24	4	—	—	—
7110 machinery (not elec)	12	2	—	—	—	6	4	—	—	—
7900 manufac. prod. nec	18	—	—	—	—	18	—	—	—	—
Ton-miles (x1000)	7,188,731	1,223,364	59,423	93,296	3,494,462	1,211,520	1,009,098	83,287	14,281	—
Tons All Traffic (x1000)										36,060
Ton-miles All Traffic (x1000)										7,188,731
Total Trip-ton-miles Internal and Intraport (x1000)										38,528,862

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). Maintained Depth: 9 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	6,256	2010	5,074	2013	4,954	2016	4,357
2008	6,093	2011	5,992	2014	5,918		
2009	4,304	2012	5,503	2015	4,746		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	4,357	414	94	121	14	1,887	1,821	1	6
Total coal	52	—	—	—	—	26	25	—	—
1100 coal & lignite	24	—	—	—	—	—	24	—	—
1200 coal coke	28	—	—	—	—	26	1	—	—
Total petroleum and petroleum products	985	208	94	121	4	99	453	1	6
Subtotal petroleum products	985	208	94	121	4	99	453	1	6
2211 gasoline	174	81	11	43	2	18	12	1	6
2221 kerosene	138	125	—	—	—	13	—	—	—
2330 distillate fuel oil	457	—	—	—	—	54	402	—	—
2340 residual fuel oil	10	—	—	—	—	10	—	—	—
2350 lube oil & greases	8	—	—	—	2	—	6	—	—
2429 naphtha & solvents	161	—	83	78	—	—	—	—	—
2430 asphalt, tar & pitch	9	—	—	—	—	—	9	—	—
2540 petroleum coke	19	—	—	—	—	6	13	—	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	3	3	—	—	—	—	—	—	—

CALUMET-SAG CHANNEL, IL (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)
 Freight Traffic, 2016 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
2990 petro. products nec	7	---	---	---	---	7	---	---	---
Total chemicals and related products	349	53	---	---	10	164	121	---	---
Subtotal fertilizers	95	---	---	---	---	95	---	---	---
3110 nitrogenous fert.	72	---	---	---	---	72	---	---	---
3130 potassic fert.	8	---	---	---	---	8	---	---	---
3190 fert. & mixes nec	15	---	---	---	---	15	---	---	---
Subtotal other chemicals and related products	254	53	---	---	10	69	121	---	---
3220 alcohols	135	53	---	---	10	27	45	---	---
3275 inorg. elem., oxides, & halogen salts	3	---	---	---	---	3	---	---	---
3276 metallic salts	78	---	---	---	---	1	76	---	---
3299 chem. products nec	38	---	---	---	---	38	---	---	---
Total crude materials, inedible except fuels	1,314	153	---	---	---	695	466	---	---
Subtotal forest products, wood and chips	5	5	---	---	---	---	---	---	---
4161 wood chips	5	5	---	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	252	148	---	---	---	103	---	---	---
4323 gypsum	72	---	---	---	---	72	---	---	---
4331 sand & gravel	169	148	---	---	---	20	---	---	---
4335 waterway improv. mat	11	---	---	---	---	11	---	---	---
Subtotal iron ore and scrap	557	---	---	---	---	255	302	---	---
4410 iron ore	241	---	---	---	---	190	50	---	---
4420 iron & steel scrap	317	---	---	---	---	65	252	---	---
Subtotal non-ferrous ores and scrap	110	---	---	---	---	102	8	---	---
4650 aluminum ore	54	---	---	---	---	54	---	---	---
4670 manganese ore	55	---	---	---	---	47	8	---	---
4690 non-ferrous ores nec	2	---	---	---	---	2	---	---	---
Subtotal sulphur, clay and salt	235	---	---	---	---	226	9	---	---
4782 clay & refrac. mat.	80	---	---	---	---	80	---	---	---
4783 salt	155	---	---	---	---	146	9	---	---
Subtotal slag	152	---	---	---	---	5	147	---	---
4860 slag	152	---	---	---	---	5	147	---	---
Subtotal other non-metal. min.	3	---	---	---	---	3	---	---	---
4900 non-metal. min. nec	3	---	---	---	---	3	---	---	---
Total primary manufactured goods	1,291	---	---	---	---	824	467	---	---
Subtotal lime, cement and glass	139	---	---	---	---	2	138	---	---
5220 cement & concrete	139	---	---	---	---	2	138	---	---
Subtotal primary iron and steel products	1,115	---	---	---	---	787	328	---	---
5312 pig iron	326	---	---	---	---	299	27	---	---
5315 ferro alloys	186	---	---	---	---	185	2	---	---
5330 i&s plates & sheets	183	---	---	---	---	103	80	---	---
5360 i&s bars & shapes	99	---	---	---	---	98	1	---	---
5370 i&s pipe & tube	1	---	---	---	---	1	---	---	---
5390 primary i&s nec	320	---	---	---	---	102	218	---	---
Subtotal primary non-ferrous metal products	36	---	---	---	---	35	1	---	---
5429 smelted prod. nec	7	---	---	---	---	7	---	---	---
5480 fab. metal products	29	---	---	---	---	28	1	---	---
Total food and farm products	341	---	---	---	---	55	286	---	---
Subtotal grain	170	---	---	---	---	6	164	---	---
6241 wheat	155	---	---	---	---	6	149	---	---
6344 corn	15	---	---	---	---	---	15	---	---
Subtotal oilseeds	122	---	---	---	---	---	122	---	---
6522 soybeans	122	---	---	---	---	---	122	---	---
Subtotal other agricultural products	49	---	---	---	---	49	---	---	---
6861 sugar	49	---	---	---	---	49	---	---	---
Total all manufactured equipment, machinery and products	27	---	---	---	---	24	3	---	---
7110 machinery (not elec)	9	---	---	---	---	6	3	---	---
7900 manufac. prod. nec	18	---	---	---	---	18	---	---	---
Ton-miles (x1000)	113,576	6,198	2,060	2,657	201	46,381	56,072	1	6
Tons All Traffic (x1000)			4,357						
Ton-miles All Traffic (x1000)			113,576						
Total Trip-ton-miles Internal and Intraport (x1000)			4,357,777						

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. Maintained Depth: 9 feet at low water stages.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	16,929	2010	13,153	2013	10,540	2016	13,002
2008	15,923	2011	13,555	2014	12,820		
2009	13,372	2012	11,983	2015	12,350		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	13,002	2,833	45	910	2,021	3,533	2,214	836	610
Total coal	107	—	—	—	53	29	25	—	—
1100 coal & lignite	24	—	—	—	—	—	24	—	—
1200 coal coke	83	—	—	—	53	29	1	—	—
Total petroleum and petroleum products	2,533	409	21	—	1,398	280	367	39	20
Subtotal petroleum products	2,533	409	21	—	1,398	280	367	39	20
2211 gasoline	155	35	—	—	7	101	12	—	—
2221 kerosene	138	—	—	—	—	138	—	—	—
2330 distillate fuel oil	862	150	21	—	306	23	327	14	20
2340 residual fuel oil	76	30	—	—	26	—	10	10	—
2350 lube oil & greases	22	14	—	—	—	—	8	—	—
2429 naphtha & solvents	46	7	—	—	36	—	—	4	—
2430 asphalt, tar & pitch	283	153	—	—	117	—	3	10	—
2540 petroleum coke	942	19	—	—	907	9	6	—	—
2640 hydrocarbon & petrol gases, liquefied and gaseous	3	—	—	—	—	3	—	—	—
2990 petro. products nec	7	—	—	—	—	7	—	—	—
Total chemicals and related products	1,484	736	15	—	464	186	42	—	40
Subtotal fertilizers	95	—	—	—	—	95	—	—	—
3110 nitrogenous fert.	72	—	—	—	—	72	—	—	—
3130 potassic fert.	8	—	—	—	—	8	—	—	—
3190 fert. & mixes nec	15	—	—	—	—	15	—	—	—
Subtotal other chemicals and related products	1,389	736	15	—	464	92	42	—	40
3212 benzene & toluene	45	—	—	—	45	—	—	—	—
3219 other hydrocarbons	68	32	—	—	—	—	—	—	36
3220 alcohols	681	164	3	—	419	49	42	—	4
3260 organic comp. nec	40	40	—	—	—	—	—	—	—
3274 sodium hydroxide	395	395	—	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	18	15	—	—	—	3	—	—	—
3276 metallic salts	103	89	12	—	—	1	—	—	—
3299 chem. products nec	40	1	—	—	—	38	—	—	—
Total crude materials, inedible except fuels	6,220	904	9	910	100	1,926	1,025	797	549
Subtotal forest products, wood and chips	122	116	—	—	—	6	—	—	—
4161 wood chips	122	116	—	—	—	6	—	—	—
Subtotal soil, sand, gravel, rock and stone	4,224	548	—	910	64	1,356	—	797	549
4322 limestone	18	18	—	—	—	—	—	—	—
4323 gypsum	72	—	—	—	—	72	—	—	—
4331 sand & gravel	3,596	529	—	910	64	1,273	—	797	22
4335 waterway improv. mat	11	—	—	—	—	11	—	—	—
4338 soil & fill dirt	527	—	—	—	—	—	—	—	527
Subtotal iron ore and scrap	1,119	—	—	—	33	215	871	—	—
4410 iron ore	241	—	—	—	—	190	50	—	—
4420 iron & steel scrap	878	—	—	—	33	25	820	—	—
Subtotal non-ferrous ores and scrap	113	3	—	—	—	102	8	—	—
4650 aluminum ore	54	—	—	—	—	54	—	—	—
4670 manganese ore	55	—	—	—	—	47	8	—	—
4690 non-ferrous ores nec	5	3	—	—	—	2	—	—	—
Subtotal sulphur, clay and salt	484	237	9	—	—	238	—	—	—
4782 clay & refrac. mat.	80	—	—	—	—	80	—	—	—
4783 salt	405	237	9	—	—	158	—	—	—
Subtotal slag	155	—	—	—	3	5	147	—	—
4860 slag	155	—	—	—	3	5	147	—	—
Subtotal other non-metal. min.	3	—	—	—	—	3	—	—	—
4900 non-metal. min. nec	3	—	—	—	—	3	—	—	—
Total primary manufactured goods	2,277	773	—	—	4	1,032	467	—	—
Subtotal lime, cement and glass	942	599	—	—	—	205	138	—	—
5220 cement & concrete	942	599	—	—	—	205	138	—	—
Subtotal primary iron and steel products	1,283	160	—	—	4	790	328	—	—
5312 pig iron	326	—	—	—	—	299	27	—	—
5315 ferro alloys	186	—	—	—	—	185	2	—	—

CHICAGO SANITARY AND SHIP CANAL, IL (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)
Freight Traffic, 2016 - continued
(thousand short tons)

Commodity	Grand Total	Internal								
		Inbound		Outbound		Through		Intra		
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
5320 i&s primary forms	1	1	—	—	—	—	—	—	—	—
5330 i&s plates & sheets	198	11	—	—	3	103	80	—	—	—
5360 i&s bars & shapes	198	99	—	—	—	98	1	—	—	—
5370 i&s pipe & tube	2	1	—	—	—	1	—	—	—	—
5390 primary i&s nec	372	48	—	—	1	105	218	—	—	—
Subtotal primary non-ferrous metal products	52	14	—	—	—	36	1	—	—	—
5429 smelted prod. nec	21	14	—	—	—	7	—	—	—	—
5480 fab. metal products	31	—	—	—	—	29	1	—	—	—
Total food and farm products	350	10	—	—	—	55	286	—	—	—
Subtotal grain	170	—	—	—	—	6	164	—	—	—
6241 wheat	155	—	—	—	—	6	149	—	—	—
6344 corn	15	—	—	—	—	—	15	—	—	—
Subtotal oilseeds	122	—	—	—	—	—	122	—	—	—
6522 soybeans	122	—	—	—	—	—	122	—	—	—
Subtotal other agricultural products	59	10	—	—	—	49	—	—	—	—
6861 sugar	59	10	—	—	—	49	—	—	—	—
Total all manufactured equipment, machinery and products	30	2	—	—	1	24	3	—	—	—
7110 machinery (not elec)	12	2	—	—	1	6	3	—	—	—
7900 manufac. prod. nec	18	—	—	—	—	18	—	—	—	—
Ton-miles (x1000)	209,684	43,035	2,921	18,253	18,249	61,560	33,568	18,567	13,530	—

Tons All Traffic (x1000) 13,002
Ton-miles All Traffic (x1000) 209,684
Total Trip-ton-miles Internal and Intraport (x1000) 8,957,581

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)

Section Included: Illinois River, Grafton, IL to confluence of Desplaines and Kankakee Rivers thence Desplaines River to Lockport, IL; Chicago Sanitary and Ship Canal, Lockport, IL to Damen Avenue 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. Maintained Depth: 9 feet at low water stages.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
2007	41,122	2010	36,128	2013	27,391	2016	38,966
2008	37,302	2011	36,358	2014	37,064		
2009	36,419	2012	33,405	2015	35,468		

Freight Traffic, 2016 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	38,966	7,855	626	1,283	21,055	2,019	1,532	3,600	995
Total coal	1,004	110	—	—	97	29	25	742	—
1100 coal & lignite	876	110	—	—	—	—	24	742	—
1200 coal coke	127	—	—	—	97	29	1	—	—
Total petroleum and petroleum products	6,487	1,365	147	121	4,054	70	332	259	139
Subtotal petroleum products	6,487	1,365	147	121	4,054	70	332	259	139
2211 gasoline	297	153	11	43	52	18	12	1	6
2221 kerosene	138	125	—	—	—	13	—	—	—
2330 distillate fuel oil	1,943	171	53	—	1,303	23	295	38	61
2340 residual fuel oil	386	28	—	—	309	—	10	40	—
2350 lube oil & greases	110	102	—	—	2	—	6	—	—
2429 naphtha & solvents	399	190	83	78	44	—	—	4	—
2430 asphalt, tar & pitch	639	87	—	—	321	—	3	171	58
2540 petroleum coke	2,128	69	—	—	2,023	9	6	6	14
2640 hydrocarbon & petrol gases, liquefied and gaseous	3	3	—	—	—	—	—	—	—
2990 petro. products nec	445	438	—	—	—	7	—	—	—
Total chemicals and related products	5,919	3,478	26	15	2,024	123	21	121	111
Subtotal fertilizers	1,953	1,616	—	15	197	80	—	31	14
3110 nitrogenous fert.	967	885	—	15	5	57	—	—	5
3120 phosphatic fert.	26	20	—	—	6	—	—	—	—
3130 potassic fert.	493	262	—	—	184	8	—	30	9
3190 fert. & mixes nec	466	448	—	—	2	15	—	1	—
Subtotal other chemicals and related products	3,966	1,863	26	—	1,827	43	21	89	98
3211 acyclic hydrocarbons	32	32	—	—	—	—	—	—	—
3212 benzene & toluene	55	10	—	—	45	—	—	—	—
3219 other hydrocarbons	704	640	—	—	3	—	—	—	61
3220 alcohols	2,135	210	14	—	1,764	—	21	89	37

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)
 Freight Traffic, 2016 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3230 carboxylic acids	22	22	—	—	—	—	—	—	—
3260 organic comp. nec	82	78	—	—	4	—	—	—	
3273 ammonia	157	152	—	—	5	—	—	—	
3274 sodium hydroxide	506	506	—	—	—	—	—	—	
3275 inorg. elem., oxides, & halogen salts	18	15	—	—	—	3	—	—	
3276 metallic salts	154	141	12	—	—	1	—	—	
3279 inorganic chem. nec	6	6	—	—	—	—	—	—	
3292 starches, gluten, glue	6	—	—	—	6	—	—	—	
3299 chem. products nec	89	51	—	—	—	38	—	—	
Total crude materials, inedible except fuels	7,422	1,210	250	1,147	319	686	603	2,476	731
Subtotal forest products, wood and chips	244	244	—	—	—	—	—	—	—
4161 wood chips	244	244	—	—	—	—	—	—	
Subtotal soil, sand, gravel, rock and stone	4,663	129	—	1,142	132	102	—	2,467	691
4322 limestone	87	87	—	—	—	—	—	—	
4323 gypsum	103	30	—	—	—	72	—	—	
4327 phosphate rock	26	—	—	—	26	—	—	—	
4331 sand & gravel	3,906	11	—	1,142	105	19	—	2,467	
4335 waterway improv. mat	14	—	—	—	—	11	—	—	
4338 soil & fill dirt	527	—	—	—	—	—	—	—	
Subtotal iron ore and scrap	1,191	41	241	2	181	239	448	2	38
4410 iron ore	245	4	—	—	—	190	50	—	
4420 iron & steel scrap	946	36	241	2	181	49	398	2	
Subtotal non-ferrous ores and scrap	161	51	—	—	—	102	8	—	—
4650 aluminum ore	77	23	—	—	—	54	—	—	
4670 manganese ore	79	25	—	—	—	47	8	—	
4690 non-ferrous ores nec	5	3	—	—	—	2	—	—	
Subtotal sulphur, clay and salt	1,001	745	9	—	—	238	—	8	2
4782 clay & refrac. mat.	86	6	—	—	—	80	—	—	
4783 salt	915	738	9	—	—	158	—	8	
Subtotal slag	158	—	—	3	6	2	147	—	—
4860 slag	158	—	—	3	6	2	147	—	
Subtotal other non-metal. min.	5	2	—	—	—	3	—	—	—
4900 non-metal. min. nec	5	2	—	—	—	3	—	—	
Total primary manufactured goods	2,971	1,410	203	—	48	1,032	264	—	14
Subtotal lime, cement and glass	1,252	895	—	—	—	205	138	—	14
5210 lime	14	—	—	—	—	—	—	—	
5220 cement & concrete	1,238	895	—	—	—	205	138	—	
Subtotal primary iron and steel products	1,658	494	202	—	46	790	126	—	—
5312 pig iron	638	312	—	—	—	299	27	—	
5315 ferro alloys	190	3	—	—	—	185	2	—	
5320 i&s primary forms	1	1	—	—	—	—	—	—	
5330 i&s plates & sheets	199	13	6	—	3	103	74	—	
5360 i&s bars & shapes	236	111	—	—	26	98	1	—	
5370 i&s pipe & tube	8	1	—	—	6	1	—	—	
5390 primary i&s nec	385	52	196	—	10	105	22	—	
Subtotal primary non-ferrous metal products	61	22	1	—	2	36	—	—	—
5422 aluminum	2	—	—	—	2	—	—	—	
5429 smelted prod. nec	21	14	—	—	—	7	—	—	
5480 fab. metal products	39	8	1	—	—	29	—	—	
Total food and farm products	15,131	278	—	—	14,511	55	286	1	—
Subtotal grain	7,949	9	—	—	7,770	6	164	—	—
6241 wheat	176	—	—	—	21	6	149	—	
6344 corn	7,773	9	—	—	7,749	—	15	—	
Subtotal oilseeds	4,491	20	—	—	4,350	—	122	—	
6522 soybeans	4,470	7	—	—	4,341	—	122	—	
6590 oilseeds nec	22	13	—	—	9	—	—	—	
Subtotal vegetable products	165	165	—	—	—	—	—	—	
6653 vegetable oils	165	165	—	—	—	—	—	—	
Subtotal processed grain and animal feed	2,367	5	—	—	2,361	—	—	1	
6747 grain mill products	16	—	—	—	16	—	—	—	
6782 animal feed, prep.	2,351	5	—	—	2,345	—	—	1	
Subtotal other agricultural products	158	79	—	—	30	49	—	—	
6861 sugar	59	10	—	—	—	49	—	—	
6865 molasses	69	69	—	—	—	—	—	—	
6885 alcoholic beverages	30	—	—	—	30	—	—	—	
Total all manufactured equipment, machinery and products	32	3	—	—	3	24	1	—	
7110 machinery (not elec)	14	3	—	—	3	6	1	—	
7900 manufac. prod. nec	18	—	—	—	—	18	—	—	

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)
 Freight Traffic, 2016 - continued
 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Ton-miles (x1000)	7,539,059	1,914,322	66,068	65,407	4,082,519	650,380	497,827	215,270	47,266
Tons All Traffic (x1000)			38,966						
Ton-miles All Traffic (x1000)			7,539,059						
Total Trip-ton-miles Internal and Intraport (x1000)			38,607,039						

Section 2

Trips and Drafts of Vessels

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CHICAGO RIVER (MAIN AND NORTH BRANCH), IL												
	Upbound						Downbound					
Grand Total	1,424	—	—	258	1,149	17	1,429	—	—	257	1,169	3
DOMESTIC												
Total ≤ 12	1,424	—	—	258	1,149	17	1,429	—	—	257	1,169	3
										Total trips:		2,853
CHICAGO RIVER, SOUTH BRANCH, IL												
	Upbound						Downbound					
Grand Total	2,947	—	—	1,127	1,814	6	2,948	—	—	1,127	1,807	14
DOMESTIC												
Total ≤ 12	2,947	—	—	1,127	1,814	6	2,948	—	—	1,127	1,807	14
										Total trips:		5,895
LAKE CALUMET, IL												
	Upbound						Downbound					
Grand Total	708	48	—	464	151	45	707	45	—	456	155	51
FOREIGN												
Total	32	1	—	14	17	—	14	1	—	7	6	—
23	1	1	—	—	—	—	—	—	—	—	—	—
20	4	—	—	—	4	—	—	—	—	—	—	—
19	6	—	—	—	6	—	—	—	—	—	—	—
18	6	—	—	—	6	—	—	—	—	—	—	—
17	2	—	—	1	1	—	—	—	—	—	—	—
16	5	—	—	5	—	—	3	—	—	1	2	—
15	—	—	—	—	—	—	3	—	—	—	3	—
13	8	—	—	8	—	—	6	—	—	6	—	—
≤ 12	—	—	—	—	—	—	2	1	—	—	1	—
DOMESTIC												
Total	676	47	—	450	134	45	693	44	—	449	149	51
22	32	32	—	—	—	—	—	—	—	—	—	—
21	2	1	—	1	—	—	2	1	—	1	—	—
20	9	2	—	—	7	—	—	—	—	—	—	—
19	4	4	—	—	—	—	—	—	—	—	—	—
18	1	1	—	—	—	—	—	—	—	—	—	—
17	2	2	—	—	—	—	—	—	—	—	—	—
16	9	2	—	7	—	—	7	—	—	7	—	—
14	47	—	—	47	—	—	42	—	—	42	—	—
13	3	3	—	—	—	—	50	43	—	—	7	—
≤ 12	567	—	—	395	127	45	592	—	—	399	142	51
										Total trips:		1,415
CALUMET HARBOR AND RIVER, IL AND IN												
	Upbound						Downbound					
Grand Total	3,766	162	—	1,448	1,686	470	3,762	175	—	1,423	1,698	466
FOREIGN												
Total	91	74	—	9	7	1	120	82	—	18	19	1
28	—	—	—	—	—	—	2	2	—	—	—	—
27	6	6	—	—	—	—	25	25	—	—	—	—
26	1	1	—	—	—	—	5	5	—	—	—	—
25	3	3	—	—	—	—	6	6	—	—	—	—
24	6	6	—	—	—	—	9	9	—	—	—	—
23	15	15	—	—	—	—	13	12	—	—	1	—
22	5	5	—	—	—	—	12	12	—	—	—	—
21	1	1	—	—	—	—	6	5	—	1	—	—

Trips and Drafts of Vessels, 2016
(draft in feet)

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

CALUMET HARBOR AND RIVER, IL AND IN - continued
Upbound

Downbound

FOREIGN

20	4	4	—	—	—	—	7	3	—	—	4	—
19	10	9	—	1	—	—	6	—	—	—	6	—
18	11	11	—	—	—	—	6	—	—	—	6	—
17	9	7	—	1	—	1	3	—	—	2	1	—
16	5	2	—	1	2	—	6	—	—	5	—	1
15	5	2	—	—	3	—	2	2	—	—	—	—
13	6	—	—	6	—	—	9	—	—	9	—	—
≤ 12	4	2	—	—	2	—	3	1	—	1	1	—

DOMESTIC

Total	3,675	88	—	1,439	1,679	469	3,642	93	—	1,405	1,679	465
26	—	—	—	—	—	—	5	3	—	1	1	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	6	4	—	—	1	1	5	4	—	—	1	—
23	4	4	—	—	—	—	6	5	—	—	1	—
22	6	4	—	1	1	—	22	22	—	—	—	—
21	14	8	—	2	4	—	16	14	—	1	1	—
20	20	10	—	3	7	—	13	3	—	1	9	—
19	21	11	—	—	10	—	23	16	—	2	5	—
18	17	3	—	—	13	1	14	6	—	—	5	3
17	130	—	—	47	10	73	137	5	—	45	10	77
16	90	—	—	67	20	3	104	2	—	74	23	5
15	74	1	—	—	5	68	78	—	—	—	4	74
14	91	—	—	91	—	—	101	—	—	101	—	—
13	73	43	—	22	7	1	20	3	—	16	—	1
≤ 12	3,129	—	—	1,206	1,601	322	3,097	9	—	1,164	1,619	305
										Total trips:		7,528

PORT OF CHICAGO, IL

Inbound

Outbound

Grand Total	38,427	27,150	—	4,212	5,655	1,410	38,419	27,138	—	4,205	5,666	1,410
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FOREIGN

Total	127	89	—	18	19	1	96	79	—	9	7	1
28	2	2	—	—	—	—	—	—	—	—	—	—
27	25	25	—	—	—	—	6	6	—	—	—	—
26	5	5	—	—	—	—	1	1	—	—	—	—
25	6	6	—	—	—	—	3	3	—	—	—	—
24	9	9	—	—	—	—	6	6	—	—	—	—
23	13	12	—	—	1	—	15	15	—	—	—	—
22	12	12	—	—	—	—	5	5	—	—	—	—
21	6	5	—	1	—	—	1	1	—	—	—	—
20	7	3	—	—	4	—	4	4	—	—	—	—
19	6	—	—	—	6	—	10	9	—	1	—	—
18	6	—	—	—	6	—	11	11	—	—	—	—
17	3	—	—	2	1	—	9	7	—	1	—	1
16	6	—	—	5	—	1	5	2	—	1	2	—
15	2	2	—	—	—	—	5	2	—	—	3	—
14	3	3	—	—	—	—	2	2	—	—	—	—
13	9	—	—	9	—	—	6	—	—	6	—	—
≤ 12	7	5	—	1	1	—	7	5	—	—	2	—

DOMESTIC

Total	38,300	27,061	—	4,194	5,636	1,409	38,323	27,059	—	4,196	5,659	1,409
26	5	3	—	1	1	—	—	—	—	—	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
24	5	4	—	—	1	—	6	4	—	—	1	1
23	6	5	—	—	1	—	4	4	—	—	—	—
22	33	33	—	—	—	—	6	4	—	1	1	—
21	5	3	—	1	1	—	14	8	—	2	4	—
20	14	4	—	1	9	—	20	10	—	3	7	—
19	22	15	—	2	5	—	22	12	—	—	10	—
18	13	5	—	—	5	3	18	4	—	—	13	1
17	136	4	—	45	10	77	130	—	—	47	10	73
16	104	2	—	74	23	5	90	—	—	67	20	3
15	78	—	—	—	4	74	74	1	—	—	5	68
14	101	—	—	101	—	—	91	—	—	91	—	—
13	21	4	—	16	—	1	72	42	—	22	7	1
≤ 12	37,756	26,978	—	3,953	5,576	1,249	37,776	26,970	—	3,963	5,581	1,262
										Total trips:		76,846

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
INDIANA HARBOR, IN												
	Inbound						Outbound					
Grand Total	1,641	212	---	652	172	605	1,662	197	---	662	189	614
FOREIGN												
Total	4	4	---	---	---	---	11	10	---	1	---	---
28	---	---	---	---	---	---	1	1	---	---	---	---
27	3	3	---	---	---	---	3	3	---	---	---	---
24	---	---	---	---	---	---	1	1	---	---	---	---
23	1	1	---	---	---	---	2	2	---	---	---	---
22	---	---	---	---	---	---	2	2	---	---	---	---
18	---	---	---	---	---	---	1	---	---	1	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	1,637	208	---	652	172	605	1,651	187	---	661	189	614
31	29	24	---	---	5	---	5	5	---	---	---	---
30	17	17	---	---	---	---	2	2	---	---	---	---
29	41	33	---	4	4	---	12	4	---	4	4	---
28	65	51	---	7	7	---	13	3	---	5	5	---
27	38	34	---	2	2	---	15	11	---	2	2	---
26	48	35	---	9	4	---	30	17	---	9	4	---
24	---	---	---	---	---	---	2	2	---	---	---	---
23	1	1	---	---	---	---	37	37	---	---	---	---
22	2	1	---	---	1	---	5	---	---	---	5	---
21	1	1	---	---	---	---	1	1	---	---	---	---
20	8	8	---	---	---	---	36	35	---	---	1	---
19	2	2	---	---	---	---	60	60	---	---	---	---
18	3	1	---	1	---	1	13	10	---	1	1	1
17	80	---	---	---	---	80	94	---	---	---	---	94
16	88	---	---	77	---	11	96	---	---	84	---	12
15	69	---	---	---	---	69	78	---	---	---	---	78
14	49	---	---	49	---	---	57	---	---	57	---	---
13	2	---	---	1	---	1	2	---	---	---	---	1
≤ 12	1,094	---	---	502	149	443	1,093	---	---	498	167	428
										Total trips:		3,303

BURNS WATERWAY HARBOR, IN												
	Inbound						Outbound					
Grand Total	864	200	1	281	314	68	865	182	1	294	324	64
FOREIGN												
Total	101	81	1	13	6	---	108	73	1	19	15	---
29	1	1	---	---	---	---	---	---	---	---	---	---
27	29	29	---	---	---	---	10	10	---	---	---	---
26	1	1	---	---	---	---	1	1	---	---	---	---
25	25	24	1	---	---	---	3	3	---	---	---	---
24	9	9	---	---	---	---	22	22	---	---	---	---
23	5	5	---	---	---	---	14	14	---	---	---	---
22	---	---	---	---	---	---	8	7	1	---	---	---
21	2	2	---	---	---	---	1	1	---	---	---	---
19	7	4	---	---	3	---	5	4	---	---	1	---
18	3	2	---	---	1	---	6	5	---	---	1	---
17	1	---	---	1	---	---	2	---	---	1	1	---
16	---	---	---	---	---	---	10	---	---	6	4	---
15	7	4	---	1	2	---	4	2	---	1	1	---
14	---	---	---	---	---	---	3	2	---	---	1	---
13	10	---	---	10	---	---	13	2	---	10	1	---
≤ 12	1	---	---	1	---	---	6	---	---	1	5	---
DOMESTIC												
Total	763	119	---	268	308	68	757	109	---	275	309	64
29	23	17	---	3	3	---	---	---	---	---	---	---
28	61	61	---	---	---	---	---	---	---	---	---	---
27	18	14	---	2	2	---	6	6	---	---	---	---
26	25	17	---	4	4	---	2	2	---	---	---	---
25	2	---	---	1	1	---	---	---	---	---	---	---
23	5	5	---	---	---	---	4	4	---	---	---	---
22	1	1	---	---	---	---	1	1	---	---	---	---
21	2	---	---	1	1	---	6	---	---	3	3	---
20	7	3	---	1	3	---	46	45	---	---	1	---

Trips and Drafts of Vessels, 2016
(draft in feet)

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

BURNS WATERWAY HARBOR, IN - continued
Inbound

Outbound

DOMESTIC

19	1	—	—	—	1	—	64	46	—	9	9	—
18	2	1	—	—	1	—	7	5	—	—	2	—
17	1	—	—	—	—	1	—	—	—	—	—	—
16	3	—	—	—	—	3	1	—	—	—	—	1
15	2	—	—	2	—	—	—	—	—	—	—	—
13	7	—	—	7	—	—	8	—	—	8	—	—
≤ 12	603	—	—	247	292	64	612	—	—	255	294	63
											Total trips:	1,729

CHICAGO HARBOR, IL
(14 feet and less)

Upbound

Downbound

Grand Total	27,104	26,988	—	94	8	14	27,055	26,963	—	72	17	3
											Total trips:	54,159

MICHIGAN CITY HARBOR, IN
No Vessel Trips Reported

WAUKEGAN HARBOR, IL
(19 feet and less)

Inbound

Outbound

Grand Total	95	7	—	40	47	1	93	7	—	40	45	1
											Total trips:	188

BUFFINGTON HARBOR, IN
(29 feet and less)

Inbound

Outbound

Grand Total	74	44	—	15	11	4	68	39	—	15	10	4
											Total trips:	142

GARY HARBOR, IN
(31 feet and less)

Inbound

Outbound

Grand Total	461	123	—	164	140	34	459	123	—	161	141	34
											Total trips:	920

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
TWO HARBORS (AGATE BAY), MN												
	Inbound						Outbound					
Grand Total	299	232	---	30	37	---	318	238	---	34	46	---
FOREIGN												
Total	18	18	---	---	---	---	14	14	---	---	---	---
28	---	---	---	---	---	---	1	1	---	---	---	---
27	1	1	---	---	---	---	3	3	---	---	---	---
24	1	1	---	---	---	---	9	9	---	---	---	---
23	13	13	---	---	---	---	1	1	---	---	---	---
20	3	3	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	281	214	---	30	37	---	304	224	---	34	46	---
31	---	---	---	---	---	---	3	2	---	---	1	---
30	---	---	---	---	---	---	38	38	---	---	---	---
29	---	---	---	---	---	---	53	32	---	1	20	---
28	25	6	---	6	13	---	119	89	---	12	18	---
27	12	6	---	3	3	---	29	23	---	3	3	---
26	43	41	---	1	1	---	25	21	---	2	2	---
25	29	11	---	---	18	---	16	14	---	---	2	---
24	22	22	---	---	---	---	2	2	---	---	---	---
23	55	55	---	---	---	---	1	1	---	---	---	---
22	1	---	---	---	1	---	---	---	---	---	---	---
21	7	7	---	---	---	---	---	---	---	---	---	---
20	23	4	---	19	---	---	17	1	---	16	---	---
19	62	60	---	1	1	---	---	---	---	---	---	---
18	2	2	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	1	1	---	---	---	---
											Total trips:	617

DULUTH-SUPERIOR HARBOR, MN AND WI												
	Inbound						Outbound					
Grand Total	1,282	644	---	319	312	7	1,305	672	---	314	314	5
FOREIGN												
Total	268	262	---	3	3	---	267	265	---	1	1	---
29	---	---	---	---	---	---	49	49	---	---	---	---
28	---	---	---	---	---	---	21	21	---	---	---	---
27	6	6	---	---	---	---	117	117	---	---	---	---
26	6	6	---	---	---	---	37	37	---	---	---	---
25	13	11	---	---	2	---	14	14	---	---	---	---
24	47	47	---	---	---	---	16	16	---	---	---	---
23	78	78	---	---	---	---	1	1	---	---	---	---
22	41	41	---	---	---	---	3	3	---	---	---	---
21	10	10	---	---	---	---	1	1	---	---	---	---
20	59	59	---	---	---	---	4	4	---	---	---	---
19	2	1	---	1	---	---	---	---	---	---	---	---
18	3	1	---	1	1	---	---	---	---	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
16	1	---	---	1	---	---	1	---	---	1	---	---
13	1	1	---	---	---	---	---	---	---	---	---	---
≤ 12	1	1	---	---	---	---	2	1	---	---	1	---
DOMESTIC												
Total	1,014	382	---	316	309	7	1,038	407	---	313	313	5
31	---	---	---	---	---	---	2	---	---	---	2	---
30	2	---	---	---	2	---	18	17	---	---	1	---
29	5	2	---	---	3	---	37	30	---	3	4	---
28	5	---	---	2	3	---	185	165	---	9	11	---
27	6	4	---	1	1	---	25	19	---	3	3	---
26	56	39	---	12	5	---	57	48	---	8	1	---
25	49	33	---	8	8	---	22	17	---	2	3	---
24	23	17	---	3	3	---	8	7	---	---	1	---
23	57	57	---	---	---	---	16	16	---	---	---	---
22	9	5	---	---	4	---	18	13	---	1	4	---
21	4	2	---	1	1	---	15	15	---	---	---	---
20	39	38	---	1	---	---	8	6	---	2	---	---
19	173	167	---	3	3	---	46	35	---	5	6	---
18	9	8	---	---	1	---	8	7	---	---	1	---
17	12	3	---	2	---	7	5	4	---	---	---	1

Trips and Drafts of Vessels, 2016
(draft in feet)

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

DULUTH-SUPERIOR HARBOR, MN AND WI - continued
Inbound

Outbound

DOMESTIC

15	3	—	—	3	—	—	1	—	—	1	—	—
14	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	562	7	—	280	275	—	566	7	—	279	276	4
Total trips:											2,587	

PRESQUE ISLE HARBOR, MI

Inbound

Outbound

Grand Total	316	231	—	41	44	—	327	246	—	39	42	—
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FOREIGN

Total	90	58	—	16	16	—	74	59	—	8	7	—
27	—	—	—	—	—	—	5	5	—	—	—	—
25	—	—	—	—	—	—	43	39	—	—	4	—
24	1	1	—	—	—	—	17	14	—	—	3	—
23	4	4	—	—	—	—	—	—	—	—	—	—
22	33	33	—	—	—	—	1	1	—	—	—	—
21	37	11	—	13	13	—	6	—	—	6	—	—
20	8	7	—	—	1	—	—	—	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
18	3	—	—	1	2	—	—	—	—	—	—	—
15	2	—	—	2	—	—	2	—	—	2	—	—

DOMESTIC

Total	226	173	—	25	28	—	253	187	—	31	35	—
31	—	—	—	—	—	—	3	—	—	—	3	—
29	1	1	—	—	—	—	9	4	—	2	3	—
28	16	14	—	1	1	—	106	91	—	6	9	—
27	5	5	—	—	—	—	14	14	—	—	—	—
26	4	1	—	3	—	—	57	42	—	9	6	—
25	—	—	—	—	—	—	14	4	—	5	5	—
24	—	—	—	—	—	—	16	—	—	8	8	—
23	—	—	—	—	—	—	3	1	—	1	1	—
22	3	—	—	—	3	—	—	—	—	—	—	—
21	28	—	—	14	14	—	9	9	—	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
19	29	15	—	6	8	—	19	19	—	—	—	—
18	110	107	—	1	2	—	1	1	—	—	—	—
17	29	29	—	—	—	—	1	1	—	—	—	—
Total trips:											643	

MARQUETTE HARBOR, MI

Inbound

Outbound

Grand Total	62	46	—	9	7	—	41	30	—	6	5	—
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FOREIGN

Total	23	18	—	3	2	—	3	2	—	1	—	—
26	6	5	—	—	1	—	—	—	—	—	—	—
25	7	7	—	—	—	—	—	—	—	—	—	—
24	1	—	—	—	1	—	—	—	—	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
21	5	5	—	—	—	—	—	—	—	—	—	—
19	2	—	—	2	—	—	—	—	—	—	—	—
≤ 12	2	1	—	1	—	—	2	1	—	1	—	—

DOMESTIC

Total	39	28	—	6	5	—	38	28	—	5	5	—
27	3	—	—	—	3	—	—	—	—	—	—	—
26	11	8	—	3	—	—	3	—	—	3	—	—
25	6	6	—	—	—	—	—	—	—	—	—	—
23	2	—	—	1	1	—	2	—	—	1	1	—
22	6	6	—	—	—	—	3	—	—	—	3	—
21	8	8	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	6	6	—	—	—	—
18	—	—	—	—	—	—	19	19	—	—	—	—

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MARQUETTE HARBOR, MI - continued												
	Inbound						Outbound					
DOMESTIC												
17	—	—	—	—	—	—	3	3	—	—	—	—
≤ 12	3	—	—	2	1	—	2	—	—	1	1	—
	Total trips:											103
DRUMMOND ISLAND, MI												
	Inbound						Outbound					
Grand Total	17,797	17,760	—	18	19	—	17,792	17,758	—	17	17	—
FOREIGN												
Total	15	15	—	—	—	—	19	15	—	2	2	—
27	—	—	—	—	—	—	2	2	—	—	—	—
26	—	—	—	—	—	—	2	2	—	—	—	—
25	1	1	—	—	—	—	11	9	—	—	2	—
24	—	—	—	—	—	—	2	2	—	—	—	—
22	5	5	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	1	—	—	1	—	—
20	3	3	—	—	—	—	—	—	—	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
18	4	4	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	1	—	—	1	—	—
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	17,782	17,745	—	18	19	—	17,773	17,743	—	15	15	—
26	—	—	—	—	—	—	4	2	—	—	2	—
25	4	1	—	1	2	—	9	3	—	3	3	—
23	2	2	—	—	—	—	4	3	—	—	1	—
22	10	—	—	7	3	—	11	—	—	7	4	—
21	2	—	—	1	1	—	1	—	—	—	1	—
20	—	—	—	—	—	—	2	—	—	—	2	—
19	6	3	—	—	3	—	2	—	—	—	2	—
18	12	—	—	6	6	—	5	—	—	5	—	—
17	3	3	—	—	—	—	—	—	—	—	—	—
14	3	—	—	3	—	—	—	—	—	—	—	—
≤ 12	17,740	17,736	—	—	4	—	17,735	17,735	—	—	—	—
	Total trips:											35,589
ST. MARYS RIVER, MI												
	Upbound						Downbound					
Grand Total	62,732	62,138	—	300	286	8	62,520	61,994	1	262	255	8
FOREIGN												
Total	958	656	—	158	143	1	789	511	1	145	129	3
29	1	1	—	—	—	—	52	52	—	—	—	—
28	2	2	—	—	—	—	29	29	—	—	—	—
27	18	18	—	—	—	—	153	152	—	—	1	—
26	18	17	—	—	1	—	69	62	—	2	5	—
25	52	48	—	—	4	—	70	64	—	—	6	—
24	110	106	—	—	4	—	58	54	—	—	4	—
23	136	132	—	—	4	—	17	16	—	—	1	—
22	124	111	—	4	9	—	30	23	—	3	4	—
21	94	48	—	28	18	—	49	13	—	18	18	—
20	102	90	—	2	10	—	54	12	—	1	40	1
19	49	16	—	31	2	—	39	5	1	17	16	—
18	24	10	—	7	7	—	24	7	—	5	12	—
17	13	5	—	6	2	—	22	—	—	11	11	—
16	72	5	—	47	20	—	47	—	—	47	—	—
15	34	8	—	8	18	—	21	5	—	12	4	—
14	15	14	—	—	1	—	8	4	—	1	1	2
13	55	6	—	19	29	1	26	2	—	22	2	—
≤ 12	39	19	—	6	14	—	21	11	—	6	4	—

Trips and Drafts of Vessels, 2016
(draft in feet)

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

ST. MARYS RIVER, MI - continued

	Upbound						Downbound					
DOMESTIC												
Total	61,774	61,482	---	142	143	7	61,731	61,483	---	117	126	5
31	—	—	—	—	—	—	11	2	—	—	9	—
30	2	—	—	—	2	—	57	56	—	—	1	—
29	5	1	—	—	4	—	114	69	—	12	33	—
28	26	2	—	8	16	—	441	364	—	32	45	—
27	17	6	—	4	7	—	76	62	—	7	7	—
26	116	89	—	19	8	—	136	105	—	22	9	—
25	75	40	—	9	26	—	40	28	—	5	7	—
24	47	39	—	3	5	—	20	4	—	8	8	—
23	136	131	—	2	3	—	14	12	—	1	1	—
22	34	5	—	15	14	—	9	6	—	1	2	—
21	41	8	—	16	17	—	14	14	—	—	—	—
20	63	42	—	19	2	—	28	11	—	17	—	—
19	243	208	—	15	20	—	7	7	—	—	—	—
18	117	96	—	12	9	—	4	4	—	—	—	—
17	61	52	—	2	—	7	7	6	—	—	—	1
16	1	1	—	—	—	—	1	1	—	—	—	—
15	3	—	—	3	—	—	1	—	—	1	—	—
14	3	—	—	3	—	—	2	2	—	—	—	—
≤ 12	60,784	60,762	—	12	10	—	60,749	60,730	—	11	4	4
										Total trips:	125,252	

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

	Upbound						Downbound					
Grand Total	1,545	1,158	---	190	189	8	1,515	1,148	---	177	182	8
FOREIGN												
Total	618	452	---	84	81	1	514	394	---	61	56	3
29	1	1	—	—	—	—	50	50	—	—	—	—
28	1	1	—	—	—	—	28	28	—	—	—	—
27	14	14	—	—	—	—	138	137	—	—	1	—
26	13	12	—	—	1	—	49	46	—	—	3	—
25	30	28	—	—	2	—	61	56	—	—	5	—
24	75	74	—	—	1	—	47	44	—	—	3	—
23	111	111	—	—	—	—	6	6	—	—	—	—
22	81	81	—	—	—	—	8	7	—	—	1	—
21	56	30	—	13	13	—	20	5	—	6	9	—
20	76	72	—	—	4	—	35	9	—	—	25	1
19	33	7	—	26	—	—	15	1	—	13	1	—
18	10	2	—	4	4	—	1	—	—	1	—	—
17	7	3	—	3	1	—	8	—	—	3	5	—
16	51	4	—	35	12	—	32	—	—	32	—	—
15	17	1	—	2	14	—	5	1	—	4	—	—
14	1	1	—	—	—	—	3	—	—	1	—	2
13	32	2	—	—	29	1	4	2	—	—	2	—
≤ 12	9	8	—	1	—	—	4	2	—	1	1	—
DOMESTIC												
Total	927	706	---	106	108	7	1,001	754	---	116	126	5
31	—	—	—	—	—	—	11	2	—	—	9	—
30	2	—	—	—	2	—	57	56	—	—	1	—
29	5	1	—	—	4	—	114	69	—	12	33	—
28	26	2	—	8	16	—	441	364	—	32	45	—
27	17	6	—	4	7	—	76	62	—	7	7	—
26	112	87	—	19	6	—	136	105	—	22	9	—
25	63	36	—	5	22	—	40	28	—	5	7	—
24	46	39	—	3	4	—	20	4	—	8	8	—
23	132	128	—	2	2	—	14	12	—	1	1	—
22	14	5	—	1	8	—	9	6	—	1	2	—
21	37	7	—	15	15	—	14	14	—	—	—	—
20	61	42	—	19	—	—	28	11	—	17	—	—
19	236	205	—	15	16	—	7	7	—	—	—	—
18	99	96	—	1	2	—	4	4	—	—	—	—
17	58	49	—	2	—	7	7	6	—	—	—	1
16	1	1	—	—	—	—	1	1	—	—	—	—
15	3	—	—	3	—	—	1	—	—	1	—	—
14	—	—	—	—	—	—	2	2	—	—	—	—
≤ 12	15	2	—	9	4	—	19	1	—	10	4	4
										Total trips:	3,060	

Trips and Drafts of Vessels, 2016
(draft in feet)

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

GRAYS REEF PASSAGE, MI

	Upbound						Downbound					
Grand Total	1,284	309	---	480	139	356	1,269	305	---	469	120	375

FOREIGN

Total	30	22	---	5	3	---	26	20	---	3	3	---
25	3	3	---	---	---	---	4	4	---	---	---	---
24	3	3	---	---	---	---	3	3	---	---	---	---
23	4	3	---	---	1	---	4	3	---	---	1	---
22	1	1	---	---	---	---	4	4	---	---	---	---
21	2	2	---	---	---	---	1	---	---	1	---	---
20	3	2	---	---	1	---	2	2	---	---	---	---
19	3	2	---	1	---	---	2	1	---	---	1	---
18	---	---	---	---	---	---	2	2	---	---	---	---
17	---	---	---	---	---	---	1	---	---	---	1	---
16	2	---	---	2	---	---	---	---	---	---	---	---
15	1	1	---	---	---	---	---	---	---	---	---	---
13	2	---	---	2	---	---	2	---	---	2	---	---
≤ 12	6	5	---	---	1	---	1	1	---	---	---	---

DOMESTIC

Total	1,254	287	---	475	136	356	1,243	285	---	466	117	375
25	34	13	---	6	15	---	28	25	---	1	2	---
24	39	31	---	3	4	1	48	19	---	8	21	---
23	62	60	---	1	1	---	56	29	---	5	22	---
22	8	3	---	4	1	---	44	27	---	9	8	---
21	28	18	---	4	6	---	27	15	---	2	9	1
20	70	52	---	9	8	1	32	8	---	10	10	4
19	64	12	---	18	30	4	163	138	---	3	11	11
18	72	47	---	10	14	1	35	15	---	9	8	3
17	99	15	---	51	10	23	78	8	---	57	3	10
16	53	1	---	13	32	7	21	---	---	15	1	5
15	12	---	---	6	5	1	5	---	---	3	2	---
14	16	---	---	14	---	2	20	---	---	19	---	1
13	22	---	---	22	---	---	28	1	---	22	2	3
≤ 12	675	35	---	314	10	316	658	---	---	303	18	337

Total trips: 2,553

MANISTEE HARBOR, MI

	Inbound						Outbound					
Grand Total	26	19	---	4	1	2	25	19	---	3	1	2

FOREIGN

Total	7	---	---	4	1	2	6	---	---	3	1	2
23	---	---	---	---	---	---	1	---	---	---	---	1
19	3	---	---	1	1	1	1	---	---	1	---	---
17	2	---	---	1	---	1	1	---	---	1	---	---
16	1	---	---	1	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	1	---	---	---	---	1
≤ 12	1	---	---	1	---	---	2	---	---	1	1	---

DOMESTIC

Total	19	19	---	---	---	---	19	19	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	8	8	---	---	---	---	---	---	---	---	---	---
21	7	7	---	---	---	---	---	---	---	---	---	---
20	2	2	---	---	---	---	---	---	---	---	---	---
18	1	1	---	---	---	---	2	2	---	---	---	---
17	---	---	---	---	---	---	4	4	---	---	---	---
≤ 12	---	---	---	---	---	---	13	13	---	---	---	---

Total trips: 51

Trips and Drafts of Vessels, 2016
(draft in feet)

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

LUDINGTON HARBOR, MI

	Inbound						Outbound					
Grand Total	353	262	---	44	7	40	371	262	---	56	6	47

FOREIGN

Total	32	3	---	13	1	15	31	3	---	13	---	15
29	1	1	---	---	---	---	---	---	---	---	---	---
26	2	2	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
20	1	---	---	---	1	---	---	---	---	---	---	---
18	---	---	---	---	---	---	3	---	---	---	---	3
17	---	---	---	---	---	---	12	---	---	---	---	12
15	---	---	---	---	---	---	1	1	---	---	---	---
14	8	---	---	8	---	---	---	---	7	---	---	---
13	---	---	---	---	---	---	1	---	1	---	---	---
≤ 12	20	---	---	5	---	15	6	1	---	5	---	---

DOMESTIC

Total	321	259	---	31	6	25	340	259	---	43	6	32
26	5	5	---	---	---	---	---	---	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
20	3	---	---	---	3	---	---	---	---	---	---	---
19	255	252	---	---	3	---	252	252	---	---	---	---
18	---	---	---	---	---	---	3	3	---	---	---	---
17	2	---	---	---	---	2	13	1	---	---	---	12
16	1	---	---	---	---	1	4	---	---	---	---	4
15	3	---	---	3	---	---	8	---	---	8	---	---
14	1	---	---	---	---	1	---	---	---	---	---	---
13	6	---	---	6	---	---	6	---	---	6	---	---
≤ 12	43	---	---	22	---	21	54	3	---	29	6	16
										Total trips:		724

MUSKEGON HARBOR, MI

	Inbound						Outbound					
Grand Total	89	31	---	30	28	---	86	30	---	30	26	---

FOREIGN

Total	16	14	---	1	1	---	14	13	---	1	---	---
26	3	3	---	---	---	---	---	---	---	---	---	---
25	2	2	---	---	---	---	---	---	---	---	---	---
24	2	1	---	---	1	---	1	1	---	---	---	---
22	---	---	---	---	---	---	3	2	---	1	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
18	1	---	---	1	---	---	---	---	---	---	---	---
≤ 12	8	8	---	---	---	---	8	8	---	---	---	---

DOMESTIC

Total	73	17	---	29	27	---	72	17	---	29	26	---
27	2	1	---	---	1	---	---	---	---	---	---	---
26	13	8	---	2	3	---	2	---	---	1	1	---
25	7	3	---	2	2	---	6	2	---	2	2	---
24	7	---	---	3	4	---	---	---	---	---	---	---
23	6	1	---	2	3	---	---	---	---	---	---	---
22	2	1	---	1	---	---	1	---	---	1	---	---
21	1	---	---	---	1	---	2	1	---	---	1	---
20	---	---	---	---	---	---	1	1	---	---	---	---
19	2	2	---	---	---	---	18	5	---	6	7	---
18	3	---	---	2	1	---	12	7	---	2	3	---
17	15	1	---	13	1	---	14	---	---	13	1	---
16	10	---	---	---	10	---	9	---	---	---	9	---
15	1	---	---	---	1	---	1	---	---	---	1	---
14	1	---	---	1	---	---	1	---	---	1	---	---
≤ 12	3	---	---	3	---	---	5	1	---	3	1	---
										Total trips:		175

Trips and Drafts of Vessels, 2016
(draft in feet)

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

GRAND HAVEN HARBOR AND GRAND RIVER, MI
Upbound

	Upbound						Downbound					
Grand Total	155	71	---	48	36	---	141	65	---	43	33	---
FOREIGN												
Total	14	14	---	---	---	---	13	13	---	---	---	---
25	2	2	---	---	---	---	---	---	---	---	---	---
24	2	2	---	---	---	---	---	---	---	---	---	---
23	2	2	---	---	---	---	---	---	---	---	---	---
22	4	4	---	---	---	---	1	1	---	---	---	---
21	2	2	---	---	---	---	4	4	---	---	---	---
20	---	---	---	---	---	---	2	2	---	---	---	---
19	---	---	---	---	---	---	1	1	---	---	---	---
18	---	---	---	---	---	---	1	1	---	---	---	---
13	---	---	---	---	---	---	1	1	---	---	---	---
≤ 12	2	2	---	---	---	---	3	3	---	---	---	---
DOMESTIC												
Total	141	57	---	48	36	---	128	52	---	43	33	---
25	5	2	---	1	2	---	2	---	---	1	1	---
24	4	4	---	---	---	---	---	---	---	---	---	---
23	8	3	---	---	5	---	---	---	---	---	---	---
22	15	7	---	5	3	---	8	---	---	5	3	---
21	3	3	---	---	---	---	---	---	---	---	---	---
20	44	31	---	---	13	---	25	25	---	---	---	---
19	8	---	---	---	8	---	1	1	---	---	---	---
18	11	3	---	5	3	---	18	12	---	3	3	---
17	2	---	---	---	2	---	7	6	---	1	---	---
16	10	---	---	10	---	---	8	---	---	8	---	---
15	1	---	---	1	---	---	1	---	---	1	---	---
14	10	---	---	10	---	---	8	---	---	8	---	---
13	20	4	---	16	---	---	32	8	---	16	8	---
≤ 12	---	---	---	---	---	---	18	---	---	---	18	---
											Total trips:	296

HOLLAND HARBOR, MI

	Inbound						Outbound					
Grand Total	46	15	---	16	15	---	58	14	---	22	22	---
FOREIGN												
Total	2	2	---	---	---	---	13	3	---	5	5	---
23	2	2	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	3	---	---	1	2	---
19	---	---	---	---	---	---	3	2	---	---	1	---
18	---	---	---	---	---	---	2	---	---	---	2	---
13	---	---	---	---	---	---	1	---	---	1	---	---
12	---	---	---	---	---	---	3	---	---	3	---	---
11	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	44	13	---	16	15	---	45	11	---	17	17	---
26	1	1	---	---	---	---	---	---	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
22	7	7	---	---	---	---	---	---	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
20	5	---	---	---	5	---	2	---	---	---	2	---
19	3	1	---	---	2	---	5	1	---	---	4	---
18	3	---	---	1	2	---	10	6	---	1	3	---
17	---	---	---	---	---	---	4	4	---	---	---	---
16	1	1	---	---	---	---	---	---	---	---	---	---
13	15	---	---	15	---	---	16	---	---	16	---	---
12	1	1	---	---	---	---	---	---	---	---	---	---
10	6	---	---	---	6	---	8	---	---	---	8	---
											Total trips:	104

Trips and Drafts of Vessels, 2016
(draft in feet)

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

ST. JOSEPH HARBOR, MI

	Upbound						Downbound					
Grand Total	72	12	---	30	30	---	69	11	---	26	32	---
FOREIGN												
Total	5	5	---	---	---	---	5	5	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	2	2	---	---	---	---	---	---	---	---	---	---
20	1	1	---	---	---	---	1	1	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---
≤ 12	---	---	---	---	---	---	4	4	---	---	---	---
DOMESTIC												
Total	67	7	---	30	30	---	64	6	---	26	32	---
22	4	4	---	---	---	---	---	---	---	---	---	---
19	3	2	---	---	1	---	2	1	---	---	1	---
18	1	1	---	---	---	---	2	2	---	---	---	---
17	41	---	---	29	12	---	40	2	---	25	13	---
16	15	---	---	1	14	---	17	1	---	1	15	---
15	3	---	---	---	3	---	3	---	---	---	3	---
											Total trips:	141

MILWAUKEE HARBOR, WI

	Inbound						Outbound					
Grand Total	1,127	792	---	195	129	11	1,134	789	---	183	154	8
FOREIGN												
Total	79	73	---	3	3	---	76	72	---	2	2	---
28	9	9	---	---	---	---	---	---	---	---	---	---
27	19	19	---	---	---	---	12	12	---	---	---	---
26	4	4	---	---	---	---	3	3	---	---	---	---
25	19	19	---	---	---	---	6	6	---	---	---	---
24	6	6	---	---	---	---	21	21	---	---	---	---
23	5	5	---	---	---	---	15	15	---	---	---	---
22	5	5	---	---	---	---	10	10	---	---	---	---
21	3	2	---	1	---	---	2	2	---	---	---	---
20	2	2	---	---	---	---	1	---	---	---	1	---
18	4	2	---	---	2	---	1	1	---	---	---	---
16	---	---	---	---	---	---	1	---	---	---	1	---
15	---	---	---	---	---	---	2	2	---	---	---	---
13	1	---	---	1	---	---	1	---	---	1	---	---
≤ 12	2	---	---	1	1	---	1	---	---	1	---	---
DOMESTIC												
Total	1,048	719	---	192	126	11	1,058	717	---	181	152	8
26	3	3	---	---	---	---	---	---	---	---	---	---
24	20	5	---	1	14	---	12	---	---	1	11	---
23	14	---	---	---	14	---	13	---	---	---	13	---
22	16	16	---	---	---	---	---	---	---	---	---	---
21	10	1	---	1	8	---	9	---	---	1	8	---
20	19	2	---	2	15	---	10	---	---	3	7	---
19	9	1	---	1	7	---	26	6	---	2	18	---
18	4	---	---	1	3	---	15	3	---	3	9	---
17	69	2	---	57	1	9	61	---	---	53	1	7
16	31	1	---	24	6	---	28	---	---	19	9	---
15	7	---	---	---	5	2	5	---	---	---	4	1
14	30	---	---	30	---	---	25	---	---	25	---	---
13	31	5	---	23	3	---	56	25	---	19	12	---
≤ 12	785	683	---	52	50	---	798	683	---	55	60	---
											Total trips:	2,261

GREEN BAY HARBOR, WI

	Upbound						Downbound					
Grand Total	219	72	4	68	48	27	207	71	4	65	46	21
FOREIGN												
Total	20	12	4	2	1	1	29	13	4	6	---	6

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
GREEN BAY HARBOR, WI - continued												
	Upbound						Downbound					
FOREIGN												
27	2	2	—	—	—	—	—	—	—	—	—	—
26	3	3	—	—	—	—	—	—	—	—	—	—
25	5	5	—	—	—	—	1	—	—	—	—	—
24	1	1	—	—	—	—	1	—	1	—	—	—
23	1	—	1	—	—	—	1	—	1	—	—	—
22	1	1	—	—	—	—	5	5	—	—	—	—
21	1	—	1	—	—	—	2	2	—	—	—	—
20	3	—	—	1	1	1	6	—	—	—	—	6
19	2	—	2	—	—	—	2	1	1	—	—	—
15	1	—	—	1	—	—	6	1	—	5	—	—
≤ 12	—	—	—	—	—	—	5	4	—	1	—	—
DOMESTIC												
Total	199	60	—	66	47	26	178	58	—	59	46	15
27	1	1	—	—	—	—	—	—	—	—	—	—
26	8	—	—	4	4	—	—	—	—	—	—	—
25	15	11	—	2	2	—	1	1	—	—	—	—
24	10	4	—	3	3	—	—	—	—	—	—	—
23	13	13	—	—	—	—	1	1	—	—	—	—
22	17	15	—	1	1	—	—	—	—	—	—	—
21	8	7	—	—	—	1	13	2	—	5	5	1
20	17	5	—	—	5	7	8	1	—	—	6	1
19	13	2	—	—	2	9	37	25	—	2	6	4
18	4	2	—	—	1	1	23	12	—	4	6	1
17	18	—	—	12	3	3	15	2	—	10	2	1
16	20	—	—	13	5	2	16	—	—	13	1	2
15	12	—	—	3	8	1	3	—	—	2	1	—
14	17	—	—	16	1	—	12	—	—	11	1	—
13	6	—	—	6	—	—	19	—	—	6	13	—
≤ 12	20	—	—	6	12	2	30	14	—	6	5	5
										Total trips:		426
ALPENA HARBOR, MI												
	Inbound						Outbound					
Grand Total	344	77	—	131	136	—	375	81	—	150	144	—
FOREIGN												
Total	26	13	—	6	7	—	27	14	—	6	7	—
23	—	—	—	—	—	—	2	2	—	—	—	—
22	2	2	—	—	—	—	1	—	—	—	1	—
21	1	1	—	—	—	—	3	3	—	—	—	—
20	10	9	—	—	1	—	8	8	—	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
18	3	—	—	2	1	—	2	1	—	—	1	—
17	8	—	—	4	4	—	8	—	—	5	3	—
16	1	—	—	—	1	—	2	—	—	1	1	—
≤ 12	—	—	—	—	—	—	1	—	—	—	1	—
DOMESTIC												
Total	318	64	—	125	129	—	348	67	—	144	137	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	24	1	—	1	22	—	38	10	—	2	26	—
23	41	—	—	2	39	—	57	10	—	1	46	—
22	10	2	—	3	5	—	19	16	—	1	2	—
21	17	6	—	—	11	—	16	6	—	—	10	—
20	22	8	—	1	13	—	15	5	—	1	9	—
19	52	37	—	1	14	—	25	10	—	4	11	—
18	18	9	—	—	9	—	10	6	—	—	4	—
17	101	—	—	95	6	—	118	2	—	112	4	—
16	9	—	—	—	9	—	5	—	—	—	5	—
13	22	—	—	22	—	—	23	—	—	23	—	—
≤ 12	2	1	—	—	1	—	21	1	—	—	20	—
										Total trips:		719

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels		
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	
SAGINAW RIVER, MI													
			Upbound						Downbound				
Grand Total	180	52	1	63	59	5	235	56	1	90	82	6	
FOREIGN													
Total	25	16	1	4	4	—	27	16	1	5	5	—	
27	1	1	—	—	—	—	1	1	—	—	—	—	
26	—	—	—	—	—	—	1	1	—	—	—	—	
25	1	1	—	—	—	—	2	1	1	—	—	—	
24	—	—	—	—	—	—	5	4	—	—	1	—	
23	—	—	—	—	—	—	3	3	—	—	—	—	
22	1	—	1	—	—	—	3	3	—	—	—	—	
20	4	4	—	—	—	—	2	—	—	—	2	—	
19	2	2	—	—	—	—	—	—	—	—	—	—	
18	4	3	—	—	1	—	2	1	—	1	—	—	
17	1	1	—	—	—	—	3	—	—	1	2	—	
16	3	—	—	3	—	—	2	—	—	2	—	—	
15	1	—	—	1	—	—	—	—	—	—	—	—	
≤ 12	7	4	—	—	3	—	3	2	—	1	—	—	
DOMESTIC													
Total	155	36	—	59	55	5	208	40	—	85	77	6	
28	—	—	—	—	—	—	8	8	—	—	—	—	
26	—	—	—	—	—	—	9	1	—	4	4	—	
25	—	—	—	—	—	—	13	1	—	6	6	—	
24	—	—	—	—	—	—	19	7	—	4	8	—	
23	2	—	—	1	1	—	30	6	—	10	14	—	
22	—	—	—	—	—	—	12	6	—	1	5	—	
21	—	—	—	—	—	—	3	—	—	—	3	—	
20	—	—	—	—	—	—	16	3	—	4	9	—	
19	27	20	—	2	5	—	21	4	—	2	15	—	
18	92	13	—	39	40	—	39	3	—	29	7	—	
17	10	1	—	5	2	2	13	1	—	5	2	5	
16	4	2	—	—	2	—	3	—	—	—	2	1	
15	3	—	—	2	1	—	4	—	—	3	1	—	
14	3	—	—	3	—	—	10	—	—	10	—	—	
13	2	—	—	2	—	—	2	—	—	2	—	—	
≤ 12	12	—	—	5	4	3	6	—	—	5	1	—	
										Total trips:		415	
ST. CLAIR RIVER, MI													
			Upbound						Downbound				
Grand Total	3,031	1,489	44	729	356	413	2,997	1,415	42	760	366	414	
FOREIGN													
Total	1,177	810	44	167	108	48	1,091	733	42	162	84	70	
29	8	2	4	2	—	—	56	53	3	—	—	—	
28	5	3	2	—	—	—	35	33	2	—	—	—	
27	62	58	4	—	—	—	208	205	2	—	1	—	
26	29	17	12	—	—	—	92	79	4	2	7	—	
25	96	88	6	—	2	—	67	56	9	—	2	—	
24	132	124	4	—	4	—	61	56	5	—	—	—	
23	152	139	3	—	2	8	50	39	1	—	—	10	
22	143	129	—	2	10	2	54	35	5	2	2	10	
21	70	42	3	16	7	2	40	17	2	1	12	8	
20	120	96	4	2	11	7	58	16	2	1	33	6	
19	58	17	2	36	1	2	70	20	5	34	5	6	
18	42	23	—	14	4	1	52	28	2	14	2	6	
17	23	4	—	17	—	2	53	9	—	28	5	11	
16	67	4	—	49	13	1	57	3	—	49	1	4	
15	35	8	—	12	15	—	24	7	—	14	3	—	
14	25	13	—	10	—	2	23	9	—	8	1	5	
13	42	4	—	2	31	5	15	2	—	4	5	4	
≤ 12	68	39	—	5	8	16	76	66	—	5	5	—	
DOMESTIC													
Total	1,854	679	—	562	248	365	1,906	682	—	598	282	344	
31	—	—	—	—	—	—	5	—	—	—	5	—	
30	—	—	—	—	—	—	27	26	—	—	1	—	
29	1	1	—	—	—	—	59	29	—	9	21	—	
28	18	9	—	3	6	—	306	257	—	19	30	—	

Trips and Drafts of Vessels, 2016
(draft in feet)

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

ST. CLAIR RIVER, MI - continued

	Upbound						Downbound					
DOMESTIC												
27	4	2	—	1	1	—	66	53	—	5	8	—
26	77	63	—	13	1	—	170	93	—	39	38	—
25	30	13	—	4	13	—	108	68	—	19	21	—
24	70	30	—	19	21	—	112	27	—	35	49	1
23	113	97	—	8	8	—	98	49	—	9	40	—
22	55	12	—	22	21	—	43	15	—	20	8	—
21	60	21	—	16	20	3	30	20	—	3	7	—
20	36	14	—	11	7	4	32	13	—	8	11	—
19	309	222	—	35	42	10	42	14	—	4	21	3
18	204	114	—	47	40	3	57	9	—	38	9	1
17	122	62	—	47	6	7	73	5	—	55	2	11
16	53	—	—	18	30	5	24	1	—	12	5	6
15	13	—	—	1	12	—	2	—	—	1	—	1
14	18	—	—	17	—	1	14	1	—	10	—	3
13	11	1	—	6	2	2	9	—	—	7	—	2
≤ 12	660	18	—	294	18	330	629	2	—	305	6	316
										Total trips:		6,028

MARYSVILLE, MI

	Inbound						Outbound					
Grand Total												
	43	11	—	16	16	—	39	12	—	14	13	—
FOREIGN												
Total	—	—	—	—	—	—	4	1	—	2	1	—
29	—	—	—	—	—	—	1	—	—	1	—	—
25	—	—	—	—	—	—	1	—	—	—	1	—
20	—	—	—	—	—	—	1	1	—	—	—	—
14	—	—	—	—	—	—	1	—	—	1	—	—
DOMESTIC												
Total	43	11	—	16	16	—	35	11	—	12	12	—
26	2	—	—	1	1	—	—	—	—	—	—	—
25	11	7	—	2	2	—	—	—	—	—	—	—
24	7	1	—	3	3	—	—	—	—	—	—	—
23	1	—	—	—	1	—	—	—	—	—	—	—
22	4	1	—	1	2	—	—	—	—	—	—	—
21	2	2	—	—	—	—	2	—	—	1	1	—
20	3	—	—	1	2	—	—	—	—	—	—	—
19	1	—	—	—	1	—	7	6	—	—	1	—
18	11	—	—	7	4	—	24	4	—	10	10	—
17	—	—	—	—	—	—	1	1	—	—	—	—
14	1	—	—	1	—	—	1	—	—	1	—	—
										Total trips:		82

ST. CLAIR, MI

	Inbound						Outbound					
Grand Total												
	113	113	—	—	—	—	108	108	—	—	—	—
DOMESTIC												
Total	113	113	—	—	—	—	108	108	—	—	—	—
30	14	14	—	—	—	—	—	—	—	—	—	—
29	5	5	—	—	—	—	3	3	—	—	—	—
28	55	55	—	—	—	—	33	33	—	—	—	—
27	6	6	—	—	—	—	—	—	—	—	—	—
26	21	21	—	—	—	—	—	—	—	—	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
23	7	7	—	—	—	—	48	48	—	—	—	—
20	3	3	—	—	—	—	1	1	—	—	—	—
19	1	1	—	—	—	—	23	23	—	—	—	—
										Total trips:		221

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MARINE CITY, MI												
	Inbound						Outbound					
Grand Total	65	27	---	19	19	---	67	29	---	19	19	---
FOREIGN												
Total	1	1	---	---	---	---	4	2	---	1	1	---
26	1	1	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	---	---	---	---	---	---	1	1	---	---	---	---
14	---	---	---	---	---	---	1	---	---	1	---	---
13	---	---	---	---	---	---	1	---	---	---	1	---
DOMESTIC												
Total	64	26	---	19	19	---	63	27	---	18	18	---
27	2	2	---	---	---	---	---	---	---	---	---	---
26	8	8	---	---	---	---	---	---	---	---	---	---
25	15	9	---	3	3	---	2	---	---	1	1	---
24	16	3	---	6	7	---	3	1	---	1	1	---
23	2	---	---	1	1	---	---	---	---	---	---	---
22	3	---	---	1	2	---	---	---	---	---	---	---
21	2	1	---	---	1	---	2	---	---	1	1	---
20	2	---	---	---	2	---	---	---	---	---	---	---
19	2	1	---	---	1	---	15	15	---	---	---	---
18	12	2	---	8	2	---	38	8	---	15	15	---
17	---	---	---	---	---	---	2	2	---	---	---	---
12	---	---	---	---	---	---	1	1	---	---	---	---
											Total trips:	132

CHANNELS IN LAKE ST. CLAIR												
	Upbound						Downbound					
Grand Total	2,702	1,284	23	675	326	394	2,693	1,233	23	707	344	386
FOREIGN												
Total	1,024	735	23	136	101	29	909	641	23	125	78	42
29	4	2	2	---	---	---	54	52	2	---	---	---
28	4	3	1	---	---	---	32	31	1	---	---	---
27	59	57	2	---	---	---	192	190	1	---	---	---
26	22	16	6	---	---	---	78	69	2	2	5	---
25	84	80	4	---	---	---	52	45	5	---	2	---
24	116	110	2	---	4	---	55	52	3	---	---	---
23	135	127	2	---	2	4	37	32	1	---	---	4
22	120	107	---	2	10	1	45	34	2	2	2	5
21	65	39	2	16	7	1	34	17	1	1	11	4
20	105	85	2	2	11	5	57	16	1	1	33	6
19	48	17	---	30	1	---	51	17	3	23	5	3
18	37	23	---	11	2	1	35	21	1	7	2	4
17	15	4	---	11	---	---	38	7	---	17	5	9
16	62	4	---	44	13	1	49	2	---	44	1	2
15	32	8	---	9	15	---	23	6	---	14	3	---
14	20	13	---	6	---	1	21	9	---	7	1	4
13	37	4	---	1	29	3	10	2	---	3	4	1
≤ 12	59	36	---	4	7	12	46	39	---	4	3	---
DOMESTIC												
Total	1,678	549	---	539	225	365	1,784	592	---	582	266	344
31	---	---	---	---	---	---	5	---	---	---	5	---
30	---	---	---	---	---	---	13	12	---	---	1	---
29	1	1	---	---	---	---	54	24	---	9	21	---
28	10	1	---	3	6	---	251	202	---	19	30	---
27	4	2	---	1	1	---	58	45	---	5	8	---
26	30	16	---	13	1	---	188	111	---	39	38	---
25	30	13	---	4	13	---	89	55	---	16	18	---
24	67	29	---	18	20	---	93	24	---	27	41	1
23	90	74	---	8	8	---	93	47	---	8	38	---
22	55	12	---	22	21	---	41	14	---	20	7	---
21	56	21	---	14	18	3	29	19	---	3	7	---
20	34	14	---	10	6	4	29	10	---	8	11	---
19	268	182	---	35	41	10	40	13	---	4	20	3
18	161	107	---	29	22	3	51	7	---	35	8	1
17	119	59	---	47	6	7	73	5	---	55	2	11
16	53	---	---	18	30	5	24	1	---	12	5	6

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CHANNELS IN LAKE ST. CLAIR - continued												
	Upbound						Downbound					
DOMESTIC												
15	13	—	—	1	12	—	2	—	—	1	—	1
14	17	—	—	16	—	1	13	1	—	9	—	3
13	11	1	—	6	2	2	9	—	—	7	—	2
≤ 12	659	17	—	294	18	330	629	2	—	305	6	316
										Total trips:		5,395
DETROIT RIVER, MI												
	Upbound						Downbound					
Grand Total	3,988	1,717	27	1,112	517	615	3,663	1,521	30	1,062	452	598
FOREIGN												
Total	1,732	1,118	27	309	226	52	1,377	871	30	259	162	55
30	2	2	—	—	—	—	2	2	—	—	—	—
29	4	2	2	—	—	—	54	52	2	—	—	—
28	9	8	1	—	—	—	32	31	1	—	—	—
27	103	100	2	—	1	—	199	197	1	—	1	—
26	67	55	6	—	6	—	95	86	2	2	5	—
25	115	106	6	—	3	—	92	83	5	—	4	—
24	167	159	2	—	5	1	75	70	4	—	—	1
23	204	185	2	—	2	15	61	55	1	—	—	5
22	167	153	—	2	10	2	82	67	2	2	2	9
21	93	49	3	26	14	1	44	26	2	1	11	4
20	135	109	3	2	16	5	82	37	1	4	33	7
19	110	40	—	62	8	—	94	36	4	45	5	4
18	95	37	—	36	21	1	53	29	3	11	6	4
17	37	8	—	25	4	—	53	10	—	25	9	9
16	72	8	—	50	13	1	71	8	2	56	3	2
15	42	10	—	13	19	—	36	11	—	17	8	—
14	27	18	—	8	—	1	27	10	—	9	2	6
13	55	8	—	5	31	11	16	4	—	4	4	4
≤ 12	228	61	—	80	73	14	209	57	—	83	69	—
DOMESTIC												
Total	2,256	599	—	803	291	563	2,286	650	—	803	290	543
31	—	—	—	—	—	—	6	—	—	—	6	—
30	—	—	—	—	—	—	13	12	—	—	1	—
29	1	1	—	—	—	—	54	24	—	9	21	—
28	12	1	—	4	7	—	261	213	—	19	29	—
27	7	5	—	1	1	—	58	45	—	5	8	—
26	29	16	—	12	1	—	188	111	—	39	38	—
25	35	18	—	4	13	—	90	56	—	16	18	—
24	75	32	—	20	23	—	105	26	—	28	50	1
23	164	94	—	12	58	—	77	49	—	9	19	—
22	60	12	—	25	23	—	45	15	—	21	9	—
21	59	23	—	14	19	3	32	20	—	3	9	—
20	45	25	—	10	6	4	31	10	—	8	13	—
19	270	182	—	35	41	12	63	27	—	8	25	3
18	174	111	—	33	25	5	99	27	—	46	20	6
17	125	60	—	51	6	8	142	7	—	93	3	39
16	59	—	—	23	31	5	40	1	—	17	7	15
15	12	—	—	1	11	—	2	—	—	1	—	1
14	17	—	—	16	—	1	13	1	—	9	—	3
13	11	1	—	6	2	2	9	—	—	7	—	2
≤ 12	1,101	18	—	536	24	523	958	6	—	465	14	473
										Total trips:		7,651
DETROIT HARBOR, MI												
	Inbound						Outbound					
Grand Total	361	174	4	91	84	8	373	181	4	97	80	11
FOREIGN												
Total	143	94	4	25	15	5	159	104	4	30	15	6
30	1	1	—	—	—	—	1	1	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	5	5	—	—	—	—	1	1	—	—	—	—

Trips and Drafts of Vessels, 2016
(draft in feet)

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

DETROIT HARBOR, MI - continued

	Inbound						Outbound					
FOREIGN												
27	6	6	—	—	—	—	—	—	—	—	—	—
26	14	14	—	—	—	—	—	—	—	—	—	—
25	6	5	1	—	—	—	16	16	—	—	—	—
24	6	5	—	—	—	1	9	7	1	—	—	1
23	10	9	—	—	—	1	15	12	—	—	1	2
22	15	12	—	—	—	3	21	20	—	1	—	—
21	3	2	1	—	—	—	12	10	1	1	—	—
20	14	9	1	1	3	—	19	17	1	1	—	—
19	13	6	—	2	5	—	11	5	1	4	1	—
18	7	2	1	1	3	—	3	1	—	1	1	—
17	9	—	—	7	2	—	8	2	—	6	—	—
16	7	—	—	7	—	—	13	2	—	9	2	—
15	8	1	—	5	2	—	10	5	—	5	—	—
14	3	2	—	1	—	—	5	2	—	1	1	1
13	—	—	—	—	—	—	1	—	—	—	—	1
≤ 12	15	14	—	1	—	—	14	3	—	1	9	1

DOMESTIC

Total	218	80	—	66	69	3	214	77	—	67	65	5
31	2	—	—	—	2	—	—	—	—	—	—	—
30	1	1	—	—	—	—	—	—	—	—	—	—
29	16	7	—	1	8	—	1	1	—	—	—	—
28	27	23	—	2	2	—	3	1	—	1	1	—
27	6	4	—	1	1	—	5	3	—	1	1	—
26	12	10	—	2	—	—	5	3	—	2	—	—
25	14	13	—	—	1	—	16	9	—	—	7	—
24	17	6	—	1	10	—	12	1	—	1	10	—
23	38	10	—	1	27	—	30	3	—	1	26	—
22	4	1	—	1	2	—	5	—	—	1	4	—
21	5	1	—	—	4	—	4	1	—	—	3	—
20	9	1	—	6	2	—	10	—	—	8	2	—
19	1	—	—	—	1	—	43	40	—	1	2	—
18	4	1	—	1	1	1	15	10	—	1	2	2
17	49	—	—	47	2	—	45	1	—	43	1	—
16	3	—	—	1	2	—	6	—	—	2	3	1
≤ 12	10	2	—	2	4	2	14	4	—	5	3	2
Total trips:											734	

ROUGE RIVER, MI

	Inbound						Outbound					
Grand Total	1,402	253	5	569	47	528	1,417	259	4	569	43	542

FOREIGN

Total	155	73	5	43	15	19	190	90	4	57	17	22
28	1	1	—	—	—	—	—	—	—	—	—	—
27	18	16	—	—	2	—	1	1	—	—	—	—
26	22	13	—	—	9	—	3	3	—	—	—	—
25	12	5	4	—	3	—	3	3	—	—	—	—
24	9	9	—	—	—	—	17	17	—	—	—	—
23	14	10	—	—	—	4	21	13	—	—	—	8
22	10	6	—	—	—	4	27	22	—	1	2	2
21	7	—	1	1	1	4	15	7	1	5	1	1
20	4	3	—	1	—	—	10	5	1	1	—	3
19	32	3	—	26	—	3	39	4	—	33	1	1
18	2	—	—	1	—	1	2	1	—	1	—	—
17	9	1	—	7	—	1	8	—	—	6	2	—
16	6	2	—	4	—	—	6	1	2	3	—	—
15	1	1	—	—	—	—	16	3	—	2	11	—
14	2	—	—	1	—	1	2	1	—	1	—	—
13	5	2	—	2	—	1	11	4	—	2	—	5
≤ 12	1	1	—	—	—	—	9	5	—	2	—	2

DOMESTIC

Total	1,247	180	—	526	32	509	1,227	169	—	512	26	520
28	65	65	—	—	—	—	11	11	—	—	—	—
27	13	13	—	—	—	—	1	1	—	—	—	—
26	58	58	—	—	—	—	2	2	—	—	—	—
25	6	6	—	—	—	—	—	—	—	—	—	—
24	20	11	—	3	6	—	9	5	—	2	2	—

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels			Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker		Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ROUGE RIVER, MI - continued													
	Inbound						Outbound						
DOMESTIC													
23	26	14	—	5	7	—	4	—	—	2	2	—	
22	9	—	—	3	6	—	2	2	—	—	—	—	
21	2	1	—	—	1	—	9	9	—	—	—	—	
20	3	1	—	—	2	—	—	—	—	—	—	—	
19	6	1	—	—	3	1	48	31	—	8	8	1	
18	32	6	—	18	5	3	137	104	—	14	14	5	
17	3	1	—	—	—	2	28	—	—	—	—	28	
16	5	—	—	4	—	1	16	—	—	7	—	9	
14	1	1	—	—	—	—	—	—	—	—	—	—	
≤ 12	998	2	—	492	2	502	960	4	—	479	—	477	
										Total trips:		2,819	
ECORSE, MI													
	Inbound						Outbound						
Grand Total	62	35	—	13	14	—	57	32	—	11	14	—	
FOREIGN													
Total	27	21	—	4	2	—	26	21	—	2	3	—	
23	18	18	—	—	—	—	11	11	—	—	—	—	
22	1	1	—	—	—	—	4	4	—	—	—	—	
21	—	—	—	—	—	—	2	2	—	—	—	—	
20	2	1	—	—	1	—	1	1	—	—	—	—	
19	2	—	—	2	—	—	2	2	—	—	—	—	
18	2	—	—	1	1	—	2	—	—	1	1	—	
17	1	—	—	1	—	—	—	—	—	—	—	—	
16	—	—	—	—	—	—	2	—	—	1	1	—	
15	1	1	—	—	—	—	—	—	—	—	—	—	
13	—	—	—	—	—	—	1	1	—	—	—	—	
≤ 12	—	—	—	—	—	—	1	—	—	—	1	—	
DOMESTIC	Total	35	14	—	9	12	31	11	—	9	11	—	
23	15	8	—	2	5	—	3	1	—	1	1	—	
22	8	6	—	2	—	—	2	—	—	2	—	—	
19	—	—	—	—	—	—	7	6	—	—	1	—	
18	—	—	—	—	—	—	1	1	—	—	—	—	
17	—	—	—	—	—	—	1	1	—	—	—	—	
≤ 12	12	—	—	5	7	—	17	2	—	6	9	—	
										Total trips:		119	
TRENTON, MI													
	Inbound						Outbound						
Grand Total	18	15	—	2	1	—	21	16	—	3	2	—	
FOREIGN													
Total	3	3	—	—	—	—	6	5	—	1	—	—	
27	1	1	—	—	—	—	—	—	—	—	—	—	
26	2	2	—	—	—	—	—	—	—	—	—	—	
25	—	—	—	—	—	—	2	2	—	—	—	—	
23	—	—	—	—	—	—	1	1	—	—	—	—	
21	—	—	—	—	—	—	1	1	—	—	—	—	
19	—	—	—	—	—	—	1	1	—	—	—	—	
≤ 12	—	—	—	—	—	—	1	—	—	1	—	—	
DOMESTIC	Total	15	12	—	2	1	15	11	—	2	2	—	
23	1	1	—	—	—	—	—	—	—	—	—	—	
21	1	1	—	—	—	—	—	—	—	—	—	—	
20	10	10	—	—	—	—	—	—	—	—	—	—	
19	—	—	—	—	—	—	3	3	—	—	—	—	
17	—	—	—	—	—	—	8	8	—	—	—	—	
≤ 12	3	—	—	2	1	—	4	—	—	2	2	—	
										Total trips:		39	

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PORT OF DETROIT, MI												
	Inbound						Outbound					
Grand Total	1,842	477	9	675	146	535	1,840	476	8	673	130	553
FOREIGN												
Total	328	191	9	72	32	24	381	220	8	90	35	28
30	1	1	—	—	—	—	1	1	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	6	6	—	—	—	—	1	1	—	—	—	—
27	26	24	—	—	2	—	1	1	—	—	—	—
26	48	39	—	—	9	—	3	3	—	—	—	—
25	21	13	5	—	3	—	27	27	—	—	—	—
24	17	16	—	—	—	1	29	27	1	—	—	1
23	26	21	—	—	—	5	39	28	—	—	1	10
22	26	19	—	—	—	7	52	46	—	2	2	2
21	10	2	2	1	1	4	30	20	2	6	1	1
20	20	13	1	2	4	—	30	23	2	2	—	3
19	47	9	—	30	5	3	53	12	1	37	2	1
18	11	2	1	3	4	1	7	2	—	3	2	—
17	19	1	—	15	2	1	16	2	—	12	2	—
16	13	2	—	11	—	—	21	3	2	13	3	—
15	10	3	—	5	2	—	26	8	—	7	11	—
14	5	2	—	2	—	1	7	3	—	2	1	1
13	5	2	—	2	—	1	13	5	—	2	—	6
≤ 12	16	15	—	1	—	—	25	8	—	4	10	3
DOMESTIC												
Total	1,514	286	—	603	114	511	1,459	256	—	583	95	525
31	2	—	—	—	2	—	—	—	—	—	—	—
30	1	1	—	—	—	—	—	—	—	—	—	—
29	16	7	—	1	8	—	1	1	—	—	—	—
28	92	88	—	2	2	—	3	1	—	1	1	—
27	19	17	—	1	1	—	6	4	—	1	1	—
26	70	68	—	2	—	—	7	5	—	2	—	—
25	20	19	—	—	1	—	16	9	—	—	7	—
24	37	17	—	4	16	—	21	6	—	3	12	—
23	80	33	—	8	39	—	37	4	—	4	29	—
22	21	7	—	6	8	—	9	2	—	3	4	—
21	8	3	—	—	5	—	13	10	—	—	3	—
20	22	12	—	6	4	—	10	—	—	8	2	—
19	7	1	—	1	4	1	101	80	—	9	11	1
18	36	7	—	19	6	4	152	115	—	15	16	6
17	51	1	—	47	2	1	83	10	—	43	1	29
16	8	—	—	5	2	1	22	—	—	9	3	10
14	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	1,023	4	—	501	14	504	978	9	—	485	5	479
											Total trips:	3,682
MONROE HARBOR, MI												
	Inbound						Outbound					
Grand Total	152	93	—	31	15	13	133	77	—	28	14	14
FOREIGN												
Total	17	1	—	8	8	—	21	2	—	9	7	3
23	—	—	—	—	—	—	1	1	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
20	1	1	—	—	—	—	1	—	—	—	1	—
19	—	—	—	—	—	—	4	—	—	—	4	—
18	—	—	—	—	—	—	2	—	—	—	2	—
17	—	—	—	—	—	—	1	—	—	1	—	—
16	1	—	—	1	—	—	2	—	—	2	—	—
13	—	—	—	—	—	—	1	—	—	—	—	1
12	15	—	—	7	8	—	6	—	—	6	—	—
6	—	—	—	—	—	—	1	—	—	—	—	1
1	—	—	—	—	—	—	1	—	—	—	—	1
DOMESTIC												
Total	135	92	—	23	7	13	112	75	—	19	7	11
29	3	3	—	—	—	—	—	—	—	—	—	—
28	25	25	—	—	—	—	—	—	—	—	—	—
26	3	3	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MONROE HARBOR, MI - continued												
	Inbound						Outbound					
DOMESTIC												
25	2	2	—	—	—	—	—	—	—	—	—	—
23	25	25	—	—	—	—	15	15	—	—	—	—
22	1	1	—	—	—	—	—	—	—	—	—	—
21	25	21	—	2	2	—	1	1	—	—	—	—
20	5	5	—	—	—	—	3	—	—	—	3	—
19	3	3	—	—	—	—	62	57	—	2	3	—
18	6	4	—	—	—	2	1	—	—	—	1	—
17	9	—	—	—	—	9	4	2	—	—	—	2
16	6	—	—	4	—	2	2	—	—	2	—	—
13	7	—	—	7	—	—	6	—	—	6	—	—
10	5	—	—	—	5	—	—	—	—	—	—	—
7	9	—	—	9	—	—	8	—	—	8	—	—
6	—	—	—	—	—	—	9	—	—	—	—	9
2	1	—	—	1	—	—	1	—	—	1	—	—
										Total trips:		285
CALCITE, MI												
	Inbound						Outbound					
Grand Total	242	123	—	58	61	—	239	128	—	55	56	—
FOREIGN												
Total	6	1	—	3	2	—	1	1	—	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
22	1	1	—	—	—	—	—	—	—	—	—	—
21	5	—	—	3	2	—	—	—	—	—	—	—
DOMESTIC												
Total	236	122	—	55	59	—	238	127	—	55	56	—
30	—	—	—	—	—	—	1	—	—	—	1	—
28	—	—	—	—	—	—	2	—	—	—	2	—
27	—	—	—	—	—	—	23	14	—	4	5	—
26	10	3	—	4	3	—	91	52	—	19	20	—
25	3	2	—	—	1	—	36	30	—	3	3	—
24	2	2	—	—	—	—	21	12	—	4	5	—
23	3	3	—	—	—	—	20	11	—	2	7	—
22	2	—	—	1	1	—	10	5	—	4	1	—
21	12	8	—	2	2	—	—	—	—	—	—	—
20	2	—	—	1	1	—	7	1	—	1	5	—
19	104	64	—	19	21	—	4	2	—	—	2	—
18	68	15	—	26	27	—	19	—	—	16	3	—
17	3	3	—	—	—	—	—	—	—	—	—	—
14	1	1	—	—	—	—	—	—	—	—	—	—
13	1	—	—	1	—	—	1	—	—	1	—	—
12	21	21	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	1	—	—	—	1	—
9	2	—	—	—	2	—	—	—	—	—	—	—
7	1	—	—	1	—	—	1	—	—	1	—	—
1	1	—	—	—	1	—	1	—	—	—	1	—
										Total trips:		481
ESCANABA, MI												
	Inbound						Outbound					
Grand Total	173	93	—	46	34	—	179	97	—	48	34	—
FOREIGN												
Total	21	8	—	6	7	—	6	4	—	1	1	—
27	—	—	—	—	—	—	2	2	—	—	—	—
25	3	3	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	—	—	—	—	—	—
22	4	2	—	—	2	—	—	—	—	—	—	—
21	12	1	—	6	5	—	3	1	—	1	1	—

Trips and Drafts of Vessels, 2016
(draft in feet)

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

ESCANABA, MI - continued

	Inbound						Outbound					
DOMESTIC												
Total	152	85	---	40	27	---	173	93	---	47	33	---
31	6	6	---	---	---	---	28	25	---	---	3	---
30	3	1	---	1	1	---	13	11	---	1	1	---
29	13	3	---	5	5	---	22	12	---	5	5	---
28	1	1	---	---	---	---	16	14	---	1	1	---
27	6	4	---	1	1	---	15	13	---	1	1	---
26	20	9	---	7	4	---	43	12	---	17	14	---
23	9	7	---	1	1	---	1	1	---	---	---	---
22	3	---	---	---	3	---	---	---	---	---	---	---
21	7	1	---	3	3	---	2	2	---	---	---	---
20	5	5	---	---	---	---	1	1	---	---	---	---
19	38	36	---	1	1	---	1	1	---	---	---	---
18	3	3	---	---	---	---	1	1	---	---	---	---
17	9	9	---	---	---	---	---	---	---	---	---	---
15	7	---	---	7	---	---	8	---	---	8	---	---
10	10	---	---	10	---	---	10	---	---	10	---	---
8	---	---	---	---	---	---	1	---	---	---	1	---
5	1	---	---	1	---	---	1	---	---	1	---	---
4	---	---	---	---	---	---	2	---	---	---	2	---
2	11	---	---	3	8	---	8	---	---	3	5	---
										Total trips:		352

STONEPORT, MI

	Inbound						Outbound					
Grand Total	327	170	---	79	78	---	360	184	---	89	87	---

FOREIGN

Total	38	27	---	6	5	---	42	34	---	5	3	---
27	---	---	---	---	---	---	7	7	---	---	---	---
26	---	---	---	---	---	---	4	3	---	---	1	---
25	2	2	---	---	---	---	10	10	---	---	---	---
24	4	4	---	---	---	---	6	6	---	---	---	---
23	7	7	---	---	---	---	6	5	---	---	1	---
22	6	6	---	---	---	---	1	1	---	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	5	3	---	---	2	---	---	---	---	---	---	---
19	3	1	---	1	1	---	2	---	---	2	---	---
18	6	3	---	1	2	---	1	1	---	---	---	---
17	2	---	---	2	---	---	2	---	---	2	---	---
16	1	---	---	1	---	---	1	---	---	1	---	---
15	2	1	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	1	---	---	---	1	---

DOMESTIC

Total	289	143	---	73	73	---	318	150	---	84	84	---
27	---	---	---	---	---	---	14	7	---	---	7	---
26	10	2	---	6	2	---	73	54	---	9	10	---
25	16	10	---	3	3	---	54	34	---	10	10	---
24	24	10	---	7	7	---	62	20	---	19	23	---
23	3	1	---	1	1	---	30	4	---	11	15	---
22	14	2	---	8	4	---	32	14	---	10	8	---
21	9	9	---	---	---	---	17	12	---	2	3	---
20	1	1	---	---	---	---	3	1	---	---	2	---
19	70	45	---	12	13	---	7	2	---	---	5	---
18	110	40	---	35	35	---	22	2	---	19	1	---
17	2	2	---	---	---	---	---	---	---	---	---	---
14	1	---	---	1	---	---	4	---	---	4	---	---
12	21	21	---	---	---	---	---	---	---	---	---	---
9	8	---	---	---	8	---	---	---	---	---	---	---
										Total trips:		687

ALGOMA HARBOR, WI
No Vessel Trips Reported

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ALGONAC, MI No Vessel Trips Reported												
ASHLAND HARBOR, WI No Vessel Trips Reported												
AU SABLE HARBOR AND RIVER (OSCODA), MI No Vessel Trips Reported												
BAYFIELD HARBOR, WI (8 feet and less)												
			Inbound						Outbound			
Grand Total	6,055	6,055	---	---	---	---	6,057	6,057	---	---	---	---
										Total trips:		12,112
BIG BAY HARBOR, MI No Vessel Trips Reported												
BLACK RIVER HARBOR, MI No Vessel Trips Reported												
CASEVILLE, MI No Vessel Trips Reported												
CEDAR RIVER HARBOR, MI No Vessel Trips Reported												
CHARLEVOIX HARBOR, MI (8 feet and less)												
			Inbound						Outbound			
Grand Total	328	328	---	---	---	---	328	328	---	---	---	---
										Total trips:		656
CHEBOYGAN HARBOR, MI (22 feet and less)												
			Inbound						Outbound			
Grand Total	920	859	---	31	6	24	919	860	---	29	8	22
										Total trips:		1,839
CHIPPEWA HARBOR (ISLE ROYALE), MI No Vessel Trips Reported												
CLINTON RIVER, MICHIGAN No Vessel Trips Reported												
CORNUCOPIA HARBOR, WI No Vessel Trips Reported												
DETOUR, MI AND VICINITY (12 feet and less)												
			Inbound						Outbound			
Grand Total	17,735	17,735	---	---	---	---	17,735	17,735	---	---	---	---
										Total trips:		35,470

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
DETROIT HARBOR, WI (11 feet and less)												
				Inbound							Outbound	
Grand Total	4,452	4,452	---	---	---	---	4,452	4,452	---	---	---	---
										Total trips:		8,904
EAGLE HARBOR, MI No Vessel Trips Reported												
FRANKFORT HARBOR, MI No Vessel Trips Reported												
GLADSTONE HARBOR, MI (24 feet and less)												
				Inbound							Outbound	
Grand Total	4	4	---	---	---	---	2	2	---	---	---	---
										Total trips:		6
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MI No Vessel Trips Reported												
GRAND MARAIS HARBOR, MN No Vessel Trips Reported												
GRAND TRAVERSE BAY HARBOR, MI No Vessel Trips Reported												
HARBOR BEACH, MI (HARBOR OF REFUGE, LAKE HURON) No Vessel Trips Reported												
HARRISVILLE HARBOR, MI (HARBOR OF REFUGE, LAKE HURON) No Vessel Trips Reported												
KENOSHA HARBOR, WI No Vessel Trips Reported												
KEWAUNEE HARBOR, WI (12 feet and less)												
				Inbound							Outbound	
Grand Total	68	---	---	34	34	---	68	---	---	34	34	---
										Total trips:		136
KEWEENAW WATERWAY, MI (21 feet and less)												
				Upbound							Downbound	
Grand Total	6	6	---	---	---	---	8	8	---	---	---	---
										Total trips:		14
KNIFE RIVER HARBOR, MN No Vessel Trips Reported												
LA POINTE HARBOR, WI (8 feet and less)												
				Inbound							Outbound	
Grand Total	6,045	6,045	---	---	---	---	6,045	6,045	---	---	---	---
										Total trips:		12,090
LAC LA BELLE HARBOR, MI No Vessel Trips Reported												

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
LELAND HARBOR, MI No Vessel Trips Reported												
LIME ISLAND, MI No Vessel Trips Reported												
MACKINAC HARBOR, MI (15 feet and less)												
				Inbound						Outbound		
Grand Total	30,022	30,016	---	3	3	---	30,025	30,019	---	3	3	---
										Total trips:	60,047	
MACKINAW CITY HARBOR, MI (6 feet and less)												
				Inbound						Outbound		
Grand Total	1,048	1,048	---	---	---	---	1,045	1,045	---	---	---	---
										Total trips:	2,093	
MANISTIQUE HARBOR, MI (7 feet and less)												
				Inbound						Outbound		
Grand Total	20	---	---	10	---	10	20	---	---	10	---	10
										Total trips:	40	
MANITOWOC HARBOR, WI (20 feet and less)												
				Inbound						Outbound		
Grand Total	399	259	---	82	58	---	398	259	---	80	59	---
										Total trips:	797	
MENOMINEE HARBOR AND RIVER, MI AND WI (26 feet and less)												
				Inbound						Outbound		
Grand Total	44	5	---	22	17	---	44	6	---	21	17	---
										Total trips:	88	
NEW BUFFALO HARBOR, MI No Vessel Trips Reported												
OCONTO HARBOR, WI No Vessel Trips Reported												
ONTONAGON HARBOR, MI No Vessel Trips Reported												
PENSAUKEE HARBOR, WI No Vessel Trips Reported												
PENTWATER HARBOR, MI No Vessel Trips Reported												
PORT HURON, MI (12 feet and less)												
				Inbound						Outbound		
Grand Total	---	---	---	---	---	---	11	11	---	---	---	---
										Total trips:	11	
PORT SANILAC HARBOR, MI No Vessel Trips Reported												

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PORT WASHINGTON HARBOR, WI No Vessel Trips Reported												
PORT WING HARBOR, WI No Vessel Trips Reported												
PUT-IN-BAY HARBOR, OH (9 feet and less)												
				Inbound						Outbound		
Grand Total	9,790	9,682	90	9	9	—	9,769	9,661	90	9	9	—
										Total trips:		19,559
RACINE HARBOR, WI (5 feet and less)												
				Inbound						Outbound		
Grand Total	12	—	—	5	7	—	14	—	—	6	8	—
										Total trips:		26
ROGERS CITY, MI (21 feet and less)												
				Inbound						Outbound		
Grand Total	13	—	—	7	—	6	11	—	—	5	—	6
										Total trips:		24
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MI No Vessel Trips Reported												
SAULT STE. MARIE, MI (14 feet and less)												
				Inbound						Outbound		
Grand Total	36,204	36,197	—	4	3	—	36,199	36,193	—	4	2	—
										Total trips:		72,403
SEBEWAING, MI No Vessel Trips Reported												
SHEBOYGAN HARBOR, WI No Vessel Trips Reported												
SOUTH HAVEN HARBOR, MI No Vessel Trips Reported												
ST. JAMES (BEAVER ISLAND), MI (8 feet and less)												
				Inbound						Outbound		
Grand Total	348	328	—	10	—	10	348	328	—	10	—	10
										Total trips:		696
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WI (23 feet and less)												
				Upbound						Downbound		
Grand Total	4	2	—	1	1	—	9	4	—	4	1	—
										Total trips:		13

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
TACONITE HARBOR, MN (28 feet and less)												
				Inbound						Outbound		
Grand Total	8	8	---	---	---	---	7	7	---	---	---	---
										Total trips:	---	15
TRAVERSE CITY HARBOR, MI (12 feet and less)												
				Inbound						Outbound		
Grand Total	1	1	---	---	---	---	1	1	---	---	---	---
										Total trips:	---	2
TWO RIVERS HARBOR, WI (6 feet and less)												
				Inbound						Outbound		
Grand Total	72	---	---	36	36	---	72	---	---	36	36	---
										Total trips:	---	144
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 No Vessel Trips Reported												
MARBLEHEAD, OH (26 feet and less)												
				Inbound						Outbound		
Grand Total	6,591	6,346	---	122	123	---	6,600	6,347	---	127	126	---
										Total trips:	---	13,191
PORT DOLOMITE, MI (30 feet and less)												
				Inbound						Outbound		
Grand Total	169	97	---	35	37	---	212	105	---	53	54	---
										Total trips:	---	381
PORT INLAND, MI (29 feet and less)												
				Inbound						Outbound		
Grand Total	247	119	---	65	63	---	258	130	---	64	64	---
										Total trips:	---	505
SILVER BAY, MN (31 feet and less)												
				Inbound						Outbound		
Grand Total	99	63	---	18	18	---	102	66	---	18	18	---
										Total trips:	---	201

Trips and Drafts of Vessels, 2016
(draft in feet)

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

TOLEDO HARBOR, OH

	Inbound						Outbound					
Grand Total	587	277	—	156	118	36	592	279	1	154	123	35

FOREIGN

Total	315	205	—	57	45	8	308	198	1	53	54	2
29	—	—	—	—	—	—	1	1	—	—	—	—
28	2	2	—	—	—	—	12	12	—	—	—	—
27	9	8	—	—	1	—	66	66	—	—	—	—
26	28	28	—	—	—	—	16	16	—	—	—	—
25	31	30	—	—	1	—	5	5	—	—	—	—
24	20	20	—	—	—	—	18	18	—	—	—	—
23	66	66	—	—	—	—	18	18	—	—	—	—
22	17	15	—	—	2	—	21	15	—	—	5	1
21	22	10	—	2	10	—	19	10	—	5	4	—
20	20	6	—	1	13	—	14	7	—	1	5	1
19	17	5	—	9	3	—	23	11	1	7	4	—
18	21	1	—	16	3	1	32	5	—	17	10	—
17	16	—	—	8	7	1	9	2	—	4	3	—
16	22	6	—	13	2	1	18	4	—	14	—	—
15	6	2	—	3	1	—	9	—	—	3	6	—
14	6	—	—	2	1	3	1	1	—	—	—	—
13	5	3	—	1	—	1	13	—	—	1	12	—
≤ 12	7	3	—	2	1	1	13	7	—	1	5	—

DOMESTIC

Total	272	72	—	99	73	28	284	81	—	101	69	33
29	4	4	—	—	—	—	—	—	—	—	—	—
28	8	6	—	1	1	—	—	—	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	32	4	—	14	14	—	—	—	—	—	—	—
25	16	6	—	5	5	—	1	1	—	—	—	—
24	21	2	—	9	10	—	10	9	—	—	1	—
23	4	2	—	1	1	—	23	21	—	1	1	—
22	2	1	—	1	—	—	11	2	—	4	5	—
21	14	—	—	6	7	1	65	5	—	28	29	3
20	—	—	—	—	—	—	12	9	—	—	—	3
19	33	20	—	3	4	6	37	20	—	3	3	11
18	26	18	—	2	5	1	22	12	—	4	4	2
17	51	5	—	28	5	13	36	—	—	26	5	5
16	26	—	—	7	17	2	24	—	—	8	16	—
15	5	—	—	—	4	1	4	—	—	—	4	—
14	9	—	—	9	—	—	17	—	—	16	—	1
13	—	—	—	—	—	—	2	1	—	—	1	—
≤ 12	20	3	—	13	—	4	20	1	—	11	—	8

Total trips: 1,179

SANDUSKY HARBOR, OH

	Inbound						Outbound					
Grand Total	2,144	2,018	—	62	60	4	2,136	2,021	—	58	53	4

FOREIGN

Total	114	50	—	31	29	4	136	54	—	41	37	4
27	1	1	—	—	—	—	13	13	—	—	—	—
26	3	3	—	—	—	—	7	7	—	—	—	—
25	8	8	—	—	—	—	4	4	—	—	—	—
24	10	10	—	—	—	—	19	16	—	—	3	—
23	5	5	—	—	—	—	2	1	—	—	1	—
22	2	2	—	—	—	—	10	7	—	—	3	—
21	1	1	—	—	—	—	9	1	—	6	2	—
20	2	2	—	—	—	—	2	1	—	—	1	—
19	4	4	—	—	—	—	1	—	—	1	—	—
18	—	—	—	—	—	—	4	1	—	3	—	—
17	4	—	—	4	—	—	9	—	—	5	—	4
16	5	1	—	—	—	4	—	—	—	—	—	—
15	28	5	—	22	1	—	25	—	—	22	3	—
14	1	1	—	—	—	—	2	—	—	—	2	—
13	9	2	—	4	3	—	22	—	—	4	18	—
≤ 12	31	5	—	1	25	—	7	3	—	—	4	—

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SANDUSKY HARBOR, OH - continued												
	Inbound						Outbound					
DOMESTIC												
Total	2,030	1,968	---	31	31	---	2,000	1,967	---	17	16	---
25	---	---	---	---	---	---	1	1	---	---	---	---
24	---	---	---	---	---	---	6	2	---	2	2	---
23	1	1	---	---	---	---	19	9	---	5	5	---
22	3	1	---	1	1	---	13	5	---	4	4	---
21	17	1	---	8	8	---	13	13	---	---	---	---
20	---	---	---	---	---	---	9	9	---	---	---	---
19	58	26	---	16	16	---	---	---	---	---	---	---
18	---	---	---	---	---	---	4	2	---	1	1	---
17	8	8	---	---	---	---	---	---	---	---	---	---
≤ 12	1,943	1,931	---	6	6	---	1,935	1,926	---	5	4	---
										Total trips:	4,280	
HURON HARBOR, OH												
	Inbound						Outbound					
Grand Total	25	13	---	6	6	---	28	13	---	7	8	---
FOREIGN												
Total	1	1	---	---	---	---	1	1	---	---	---	---
27	1	1	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	24	12	---	6	6	---	27	12	---	7	8	---
25	6	6	---	---	---	---	---	---	---	---	---	---
24	10	6	---	2	2	---	9	5	---	2	2	---
21	---	---	---	---	---	---	1	1	---	---	---	---
19	---	---	---	---	---	---	3	3	---	---	---	---
≤ 12	8	---	---	4	4	---	14	3	---	5	6	---
										Total trips:	53	
LORAIN HARBOR, OH												
	Inbound						Outbound					
Grand Total	64	22	---	21	21	---	53	19	---	17	17	---
FOREIGN												
Total	20	20	---	---	---	---	17	17	---	---	---	---
27	---	---	---	---	---	---	1	1	---	---	---	---
26	3	3	---	---	---	---	---	---	---	---	---	---
25	5	5	---	---	---	---	---	---	---	---	---	---
24	3	3	---	---	---	---	---	---	---	---	---	---
23	2	2	---	---	---	---	4	4	---	---	---	---
22	2	2	---	---	---	---	3	3	---	---	---	---
21	4	4	---	---	---	---	3	3	---	---	---	---
20	---	---	---	---	---	---	5	5	---	---	---	---
15	1	1	---	---	---	---	---	---	---	---	---	---
≤ 12	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	44	2	---	21	21	---	36	2	---	17	17	---
27	1	---	---	1	1	---	---	---	---	---	---	---
26	14	---	---	5	9	---	6	1	---	4	1	---
25	5	1	---	2	2	---	3	1	---	1	1	---
24	8	---	---	4	4	---	6	---	---	3	3	---
23	6	---	---	1	5	---	2	---	---	1	1	---
22	6	---	---	6	---	---	7	---	---	4	3	---
21	---	---	---	---	---	---	2	---	---	1	1	---
18	4	1	---	3	---	---	6	---	---	3	3	---
≤ 12	---	---	---	---	---	---	4	---	---	---	4	---
										Total trips:	117	

Trips and Drafts of Vessels, 2016
(draft in feet)

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

CLEVELAND HARBOR, OH

	Inbound						Outbound					
Grand Total	1,187	498	---	344	327	18	1,177	491	---	342	324	20

FOREIGN

Total	297	152	---	75	70	---	309	160	---	77	72	---
28	1	1	---	---	---	---	1	1	---	---	---	---
27	32	32	---	---	---	---	17	17	---	---	---	---
26	21	21	---	---	---	---	7	7	---	---	---	---
25	8	8	---	---	---	---	10	10	---	---	---	---
24	7	7	---	---	---	---	12	12	---	---	---	---
23	15	15	---	---	---	---	19	19	---	---	---	---
22	29	24	---	---	5	---	20	20	---	---	---	---
21	25	10	---	---	15	---	10	10	---	---	---	---
20	42	12	---	---	30	---	23	18	---	---	5	---
19	36	7	---	25	4	---	26	2	---	24	---	---
18	6	4	---	---	2	---	24	23	---	1	---	---
17	9	---	---	4	5	---	20	12	---	1	7	---
16	42	---	---	40	2	---	62	1	---	46	15	---
15	7	1	---	5	1	---	10	---	---	4	6	---
14	1	---	---	---	1	---	1	---	---	---	1	---
13	5	1	---	---	4	---	31	1	---	---	30	---
≤ 12	11	9	---	1	1	---	16	7	---	1	8	---

DOMESTIC

Total	890	346	---	269	257	18	868	331	---	265	252	20
31	4	---	---	---	4	---	---	---	---	---	---	---
30	---	---	---	---	---	---	1	1	---	---	---	---
29	25	7	---	8	10	---	3	1	---	1	1	---
28	108	82	---	11	15	---	27	19	---	4	4	---
27	33	27	---	3	3	---	9	7	---	1	1	---
26	20	6	---	9	5	---	4	---	---	4	---	---
25	27	19	---	4	4	---	2	2	---	---	---	---
24	39	20	---	9	10	---	14	13	---	---	1	---
23	38	21	---	6	11	---	20	18	---	---	2	---
22	48	3	---	3	42	---	38	2	---	1	35	---
21	48	48	---	---	---	---	41	36	---	2	3	---
20	38	24	---	5	9	---	25	15	---	5	5	---
19	75	25	---	19	31	---	181	70	---	54	57	---
18	159	10	---	103	46	---	209	26	---	107	76	---
17	98	49	---	35	5	9	153	112	---	33	5	3
16	40	1	---	9	22	8	33	---	---	8	21	4
15	10	---	---	1	9	---	10	---	---	1	9	---
13	1	---	---	---	---	1	1	---	---	---	---	1
≤ 12	79	4	---	44	31	---	97	9	---	44	32	12

Total trips: 2,364

FAIRPORT HARBOR, OH

	Inbound						Outbound					
Grand Total	149	26	---	61	62	---	140	24	---	56	60	---

FOREIGN

Total	21	11	---	5	5	---	15	9	---	3	3	---
26	5	1	---	2	2	---	---	---	---	---	---	---
25	2	1	---	---	1	---	1	---	---	---	1	---
23	2	2	---	---	---	---	---	---	---	---	---	---
22	5	2	---	2	1	---	2	2	---	---	---	---
21	1	---	---	---	1	---	---	---	---	---	---	---
20	---	---	---	---	---	---	3	1	---	---	2	---
19	1	1	---	---	---	---	4	4	---	---	---	---
18	2	1	---	1	---	---	2	---	---	2	---	---
17	1	1	---	---	---	---	1	---	---	1	---	---
≤ 12	2	2	---	---	---	---	2	2	---	---	---	---

DOMESTIC

Total	128	15	---	56	57	---	125	15	---	53	57	---
29	1	---	---	---	1	---	---	---	---	---	---	---
26	12	---	---	1	11	---	1	---	---	1	---	---
25	33	---	---	16	17	---	22	1	---	10	11	---
24	26	---	---	13	13	---	23	---	---	11	12	---
23	1	---	---	---	1	---	12	8	---	2	2	---

Trips and Drafts of Vessels, 2016
(draft in feet)

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

FAIRPORT HARBOR, OH - continued

	Inbound						Outbound					
DOMESTIC												
22	19	4	—	15	—	—	21	3	—	16	2	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	16	4	—	6	6	—	20	—	—	10	10	—
18	12	7	—	3	2	—	4	—	—	2	2	—
17	2	—	—	—	2	—	—	—	—	—	—	—
16	1	—	—	1	—	—	—	—	—	—	—	—
15	2	—	—	—	2	—	—	—	—	—	—	—
≤ 12	3	—	—	1	2	—	21	2	—	1	18	—
										Total trips:		289

ASHTABULA HARBOR, OH

	Inbound						Outbound					
Grand Total	149	77	—	36	36	—	144	78	—	32	34	—
FOREIGN												
Total	31	29	—	1	1	—	31	31	—	—	—	—
28	1	1	—	—	—	—	—	—	—	—	—	—
27	6	6	—	—	—	—	9	9	—	—	—	—
26	6	6	—	—	—	—	5	5	—	—	—	—
25	3	3	—	—	—	—	—	—	—	—	—	—
24	4	4	—	—	—	—	3	3	—	—	—	—
23	3	3	—	—	—	—	5	5	—	—	—	—
22	1	1	—	—	—	—	3	3	—	—	—	—
21	3	2	—	—	1	—	2	2	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
18	1	—	—	1	—	—	1	1	—	—	—	—
17	1	1	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	1	1	—	—	—	—
13	1	1	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	118	48	—	35	35	—	113	47	—	32	34	—
28	5	5	—	—	—	—	—	—	—	—	—	—
27	9	6	—	1	2	—	—	—	—	—	—	—
26	34	18	—	8	8	—	3	1	—	1	1	—
25	2	2	—	—	—	—	—	—	—	—	—	—
24	5	3	—	1	1	—	4	—	—	2	2	—
23	—	—	—	—	—	—	2	2	—	—	—	—
22	5	—	—	5	—	—	11	—	—	1	10	—
21	—	—	—	—	—	—	11	9	—	1	1	—
20	2	2	—	—	—	—	4	4	—	—	—	—
19	16	8	—	4	4	—	51	20	—	15	16	—
18	31	1	—	15	15	—	16	4	—	11	1	—
17	3	3	—	—	—	—	5	5	—	—	—	—
≤ 12	6	—	—	1	5	—	6	2	—	1	3	—
										Total trips:		293

CONNEAUT HARBOR, OH

	Inbound						Outbound					
Grand Total	119	91	—	12	16	—	114	93	—	9	12	—
FOREIGN												
Total	33	33	—	—	—	—	34	34	—	—	—	—
27	—	—	—	—	—	—	33	33	—	—	—	—
26	4	4	—	—	—	—	—	—	—	—	—	—
25	4	4	—	—	—	—	—	—	—	—	—	—
24	5	5	—	—	—	—	—	—	—	—	—	—
23	19	19	—	—	—	—	—	—	—	—	—	—
22	1	1	—	—	—	—	1	1	—	—	—	—

Trips and Drafts of Vessels, 2016
(draft in feet)

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

CONNEAUT HARBOR, OH - continued

	Inbound						Outbound					
DOMESTIC												
Total	86	58	---	12	16	---	80	59	---	9	12	---
30	12	11	---	---	1	---	---	---	---	---	---	---
29	6	4	---	---	2	---	---	---	---	---	---	---
28	42	28	---	4	10	---	5	---	---	1	4	---
27	3	3	---	---	---	---	---	---	---	---	---	---
26	11	8	---	3	---	---	14	11	---	3	---	---
25	3	3	---	---	---	---	3	1	---	---	2	---
24	---	---	---	---	---	---	3	3	---	---	---	---
23	---	---	---	---	---	---	25	25	---	---	---	---
22	---	---	---	---	---	---	3	---	---	---	3	---
21	---	---	---	---	---	---	1	1	---	---	---	---
20	5	---	---	2	3	---	8	6	---	2	---	---
19	1	1	---	---	---	---	12	12	---	---	---	---
13	3	---	---	3	---	---	3	---	---	3	---	---
≤ 12	---	---	---	---	---	---	3	---	---	---	3	---
										Total trips:		233

ERIE HARBOR, PA

	Inbound						Outbound					
Grand Total	245	217	---	14	14	---	242	217	---	13	11	1
FOREIGN												
Total	4	1	---	2	1	---	4	---	---	2	1	1
26	1	1	---	---	---	---	---	---	---	---	---	---
20	1	---	---	---	1	---	---	---	---	---	---	---
18	1	---	---	1	---	---	---	---	---	---	---	---
16	1	---	---	1	---	---	1	---	---	1	---	---
13	---	---	---	---	---	---	2	---	---	1	1	---
≤ 12	---	---	---	---	---	---	1	---	---	---	---	1
DOMESTIC												
Total	241	216	---	12	13	---	238	217	---	11	10	---
28	2	---	---	1	1	---	2	---	---	1	1	---
27	1	---	---	---	1	---	---	---	---	---	---	---
26	8	3	---	2	3	---	---	---	---	---	---	---
25	9	5	---	2	2	---	2	---	---	1	1	---
24	8	1	---	3	4	---	1	---	---	1	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	4	---	---	3	1	---	2	---	---	2	---	---
21	2	---	---	1	1	---	3	1	---	1	1	---
20	1	1	---	---	---	---	1	1	---	---	---	---
19	1	1	---	---	---	---	12	6	---	3	3	---
18	1	1	---	---	---	---	8	6	---	1	1	---
17	---	---	---	---	---	---	1	---	---	---	1	---
16	---	---	---	---	---	---	1	---	---	1	---	---
13	202	202	---	---	---	---	---	---	---	---	---	---
≤ 12	1	1	---	---	---	---	205	203	---	---	2	---
										Total trips:		487

BUFFALO HARBOR, NY

	Upbound						Downbound					
Grand Total	42	34	---	4	4	---	42	34	---	4	4	---
FOREIGN												
Total	23	23	---	---	---	---	23	23	---	---	---	---
27	2	2	---	---	---	---	3	3	---	---	---	---
26	2	2	---	---	---	---	2	2	---	---	---	---
25	1	1	---	---	---	---	2	2	---	---	---	---
24	2	2	---	---	---	---	3	3	---	---	---	---
23	4	4	---	---	---	---	8	8	---	---	---	---
22	---	---	---	---	---	---	4	4	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
18	8	8	---	---	---	---	---	---	---	---	---	---
17	3	3	---	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
BUFFALO HARBOR, NY - continued												
	Upbound						Downbound					
FOREIGN												
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	19	11	—	4	4	—	19	11	—	4	4	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	—	—	—	—	—	—	4	—	—	2	2	—
23	—	—	—	—	—	—	8	6	—	1	1	—
22	—	—	—	—	—	—	3	3	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	15	9	—	3	3	—	1	1	—	—	—	—
18	1	1	—	—	—	—	—	—	—	—	—	—
17	1	—	—	1	—	—	1	—	—	1	—	—
16	1	—	—	—	1	—	1	—	—	—	1	—
										Total trips:		84
PORT OF BUFFALO, NY												
	Inbound						Outbound					
Grand Total	72	34	—	18	4	16	69	34	—	17	4	14
FOREIGN												
Total	23	23	—	—	—	—	23	23	—	—	—	—
27	3	3	—	—	—	—	2	2	—	—	—	—
26	2	2	—	—	—	—	2	2	—	—	—	—
25	2	2	—	—	—	—	1	1	—	—	—	—
24	3	3	—	—	—	—	2	2	—	—	—	—
23	8	8	—	—	—	—	4	4	—	—	—	—
22	4	4	—	—	—	—	—	—	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	8	8	—	—	—	—
17	—	—	—	—	—	—	3	3	—	—	—	—
≤ 12	—	—	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	49	11	—	18	4	16	46	11	—	17	4	14
25	1	1	—	—	—	—	—	—	—	—	—	—
24	4	—	—	2	2	—	—	—	—	—	—	—
23	8	6	—	1	1	—	—	—	—	—	—	—
22	3	3	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	1	1	—	—	—	—	15	9	—	3	3	—
18	—	—	—	—	—	—	1	1	—	—	—	—
17	10	—	—	1	—	9	1	—	—	1	—	—
16	4	—	—	—	1	2	3	—	—	—	1	1
≤ 12	18	—	—	13	—	5	25	—	—	12	—	13
										Total trips:		141
OSWEGO HARBOR, NY												
	Upbound						Downbound					
Grand Total	88	58	—	15	13	2	90	59	—	16	13	2
FOREIGN												
Total	86	58	—	14	12	2	88	59	—	15	12	2
26	—	—	—	—	—	—	1	1	—	—	—	—
25	—	—	—	—	—	—	2	2	—	—	—	—
24	1	1	—	—	—	—	4	4	—	—	—	—
23	—	—	—	—	—	—	6	6	—	—	—	—
22	3	2	—	—	1	—	15	12	—	—	3	—
21	3	3	—	—	—	—	13	8	—	—	5	—
20	4	2	—	—	2	—	16	16	—	—	—	—
19	2	—	—	—	2	—	5	5	—	—	—	—
18	33	23	—	7	3	—	7	1	—	4	1	1
17	21	17	—	4	—	—	9	—	—	8	—	1
16	3	2	—	—	1	—	—	—	—	—	—	—
15	3	2	—	—	—	1	—	—	—	—	—	—

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
OSWEGO HARBOR, NY - continued												
	Upbound						Downbound					
FOREIGN												
14	2	2	—	—	—	—	4	4	—	—	—	—
13	2	1	—	—	—	—	—	—	—	—	—	—
≤ 12	9	3	—	3	3	—	6	—	—	3	3	—
DOMESTIC												
Total	2	—	—	1	1	—	2	—	—	1	1	—
17	2	—	—	1	1	—	2	—	—	1	1	—
										Total trips:	178	
BARCELONA HARBOR, NY No Vessel Trips Reported												
CAPE VINCENT, NY No Vessel Trips Reported												
DUNKIRK HARBOR, NY No Vessel Trips Reported												
GREAT SODUS BAY HARBOR, NY No Vessel Trips Reported												
IRONDEQUOIT BAY HARBOR, NEW YORK No Vessel Trips Reported												
KELLEYS ISLAND, OH (8 feet and less)												
	Inbound						Outbound					
Grand Total	7,928	7,928	—	—	—	—	7,927	7,927	—	—	—	—
										Total trips:	15,855	
NIAGARA FALLS, NY No Vessel Trips Reported												
NIAGARA RIVER, NY (17 feet and less)												
	Upbound						Downbound					
Grand Total	27	—	—	13	—	14	30	—	—	14	—	16
										Total trips:	57	
OGDENSBURG HARBOR, NY (27 feet and less)												
	Inbound						Outbound					
Grand Total	12	12	—	—	—	—	11	11	—	—	—	—
										Total trips:	23	
PORT CLINTON HARBOR, OH (7 feet and less)												
	Inbound						Outbound					
Grand Total	1,910	1,898	—	6	6	—	1,908	1,896	—	6	6	—
										Total trips:	3,818	

Trips and Drafts of Vessels, 2016
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ROCHESTER (CHARLOTTE) HARBOR, NY (20 feet and less)												
				Inbound							Outbound	
Grand Total	25	25	---	---	---	---	26	26	---	---	---	---
										Total trips:		51

SACKETS HARBOR, NY
No Vessel Trips Reported

VERMILION HARBOR, OH
No Vessel Trips Reported

WADDINGTON HARBOR, NY
No Vessel Trips Reported

Trips and Drafts of Vessels, 2016
(draft in feet)

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

ILLINOIS RIVER, IL

				Upbound						Downbound			
Grand Total	22,242	---	---	3,774	15,150	3,318	22,306	---	---	3,774	15,248	3,284	

DOMESTIC

Total	22,242	---	---	3,774	15,150	3,318	22,306	---	---	3,774	15,248	3,284	
12	235	---	---	7	172	56	407	---	---	10	373	24	
11	412	---	---	26	363	23	470	---	---	32	383	55	
10	325	---	---	109	153	63	568	---	---	113	339	116	
9	3,313	---	---	621	1,455	1,237	6,502	---	---	636	5,028	838	
8	5,036	---	---	1,027	3,603	406	5,904	---	---	1,022	4,115	767	
7	1,253	---	---	650	434	169	1,336	---	---	622	447	267	
6	1,024	---	---	919	88	17	1,064	---	---	950	106	8	
5	349	---	---	272	34	43	363	---	---	275	17	71	
4	41	---	---	---	31	10	32	---	---	---	14	18	
3	611	---	---	2	435	174	725	---	---	3	464	258	
2	9,481	---	---	141	8,375	965	4,897	---	---	111	3,957	829	
1	162	---	---	---	7	155	38	---	---	---	5	33	
										Total trips:		44,548	

CALUMET-SAG CHANNEL, IL

				Upbound						Downbound			
Grand Total	2,874	---	---	1,045	1,411	418	2,781	---	---	1,008	1,401	372	

DOMESTIC

Total	2,874	---	---	1,045	1,411	418	2,781	---	---	1,008	1,401	372	
12	36	---	---	4	24	8	31	---	---	7	13	11	
11	42	---	---	1	39	2	18	---	---	1	15	2	
10	93	---	---	50	32	11	54	---	---	37	14	3	
9	422	---	---	19	324	79	366	---	---	19	209	138	
8	808	---	---	97	657	54	607	---	---	93	473	41	
7	199	---	---	47	104	48	142	---	---	46	75	21	
6	481	---	---	443	30	8	458	---	---	442	9	7	
5	396	---	---	371	16	9	364	---	---	348	5	11	
4	11	---	---	3	7	1	6	---	---	3	2	1	
3	21	---	---	---	6	15	90	---	---	---	50	40	
2	325	---	---	10	170	145	631	---	---	12	536	83	
1	40	---	---	---	2	38	14	---	---	---	---	14	
										Total trips:		5,655	

CHICAGO SANITARY AND SHIP CANAL, IL

				Upbound						Downbound			
Grand Total	9,731	---	---	3,067	5,418	1,246	9,400	---	---	3,097	5,056	1,247	

DOMESTIC

Total	9,731	---	---	3,067	5,418	1,246	9,400	---	---	3,097	5,056	1,247	
≤ 12	9,731	---	---	3,067	5,418	1,246	9,400	---	---	3,097	5,056	1,247	
										Total trips:		19,131	

ILLINOIS WATERWAY, IL

				Upbound						Downbound			
Grand Total	25,739	---	---	5,847	16,347	3,545	26,055	---	---	5,848	16,662	3,545	

DOMESTIC

Total	25,739	---	---	5,847	16,347	3,545	26,055	---	---	5,848	16,662	3,545	
≤ 12	25,739	---	---	5,847	16,347	3,545	26,055	---	---	5,848	16,662	3,545	
										Total trips:		51,794	

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