BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:	)	
	)	
WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS FOR THE CHICAGO AREA WATERWAY SYSTEM AND THE LOWER DES PLAINES RIVER: PROPOSED AMENDMENTS TO 35 Ill. Adm. Code Parts 301, 302, 303 and 304	)	R08-9
	)	(Rulemaking - Water)
	)	
	)	
	)	
	)	
	)	

NOTICE OF FILING

To: ALL COUNSEL OF RECORD
(Service List Attached)

PLEASE TAKE NOTICE that on the 4th day of August, 2008, I electronically filed with the Office of the Clerk of the Illinois Pollution Control Board:

1. Pre-Filed Testimony of Richard Lanyon;

2. Pre-Filed Testimony of William J. Stuba on behalf of the Metropolitan Water Reclamation District of Greater Chicago concerning recreational designations of the Chicago Area Waterway System;

3. Pre-Filed Testimony of Samuel G. Dennison on Behalf of the Metropolitan Water Reclamation District of Greater Chicago concerning justification for an additional aquatic life use tier for Bubbly Creek (south fork of the South Branch Chicago River);

4. Pre-Filed Testimony of Samuel G. Dennison on behalf of the Metropolitan Water Reclamation District of Greater Chicago concerning Dissolved Oxygen (DO) standards proposed for protecting aquatic life in the Designated Aquatic Life Use A Waters and Aquatic Life Use B Waters of the Chicago Area Waterway System;

5. Pre-Filed Testimony of Samuel G. Dennison on behalf of the Metropolitan Water Reclamation District of Greater Chicago concerning the classification of the Calumet-Sag Channel as an Aquatic Life Use B Water;

6. Pre-Filed Testimony of Samuel G. Dennison on behalf of the Metropolitan Water Reclamation District of Greater Chicago concerning recreational designations of the Chicago Area Waterway System;

7. Pre-Filed Testimony of Susan O'Connell;

8. Pre-Filed Testimony of Geeta Rijal;

9. Pre-Filed Testimony of Thomas E. Kunetz, P. E.;

10. Pre-Filed Testimony of Thomas Granato - Aquatic Life Uses and Criteria;

11. Pre-Filed Testimony of Thomas Granato - Recreational Uses and Standards;

12. Pre-Filed Testimony of Jennifer Wasik - Sediment Sample Collection;

13. Pre-Filed Testimony of Jennifer Wasis - Chronic Cyanide Standard;

14. Pre-Filed Testimony of Chriso Petropoulou;

15. Pre-Filed Testimony of Charles P. Gerba;

16. Pre-Filed Testimony of Keith Tolson;

17. Pre-Filed Testimony of Samuel Dorevitch;

18. Pre-Filed Testimony of Ernest R. Blatchley III;

19. Pre-Filed Testimony of Charles N. Haas;

20. Pre-Filed Testimony of David R. Zenz - Dissolved Oxygen Enhancement Studies;

21. Pre-Filed Testimony of David R. Zenz - Effluent Disinfection Studies;

22. Pre-Filed Testimony of Stephen F. McGowan - Environmental Assessment of Supplemental Aeration Technologies for Increasing Dissolved Oxygen Concentration in the Chicago Area Waterways;

23. Pre-Filed Testimony of Stephen F. McGowan - Implementation of Disinfection Requirement;

24. Pre-Filed Testimony of John Mastracchio - Impacts of Aeration Stations;

25. Pre-Filed Testimony of John Mastracchio - Impacts of Disinfection Requirements;

26. Pre-Filed Testimony of Adrienne D. Nemura;

27. Pre-Filed Testimony of Charles S. Melching;

28. Pre-Filed Testimony of Scudder D. Mackey;

29. Pre-Filed Testimony of Marcelo H. Garcia, Phd; and

30. Pre-Filed Testimony of Paul L. Freedman, P.E., BCEE,

copies of which are hereby served upon you by CD Disc.

Dated: August 4, 2008

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

By: _____
One of Its Attorneys

Fredric P. Andes
Carolyn S. Hesse
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478615v1

PROOF OF SERVICE

The undersigned, a non-attorney, certifies, under penalties of perjury pursuant to 735 ILCS 5/1-109, that true copies of the forgoing Notice of Filing and:

1. Pre-Filed Testimony of Richard Lanyon;

2. Pre-Filed Testimony of William J. Stuba on behalf of the Metropolitan Water Reclamation District of Greater Chicago concerning recreational designations of the Chicago Area Waterway System;

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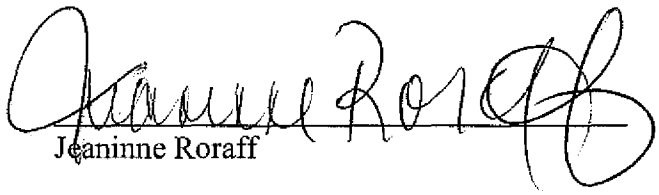
were served on CD Disc and mailed via U.S. Mail, first class postage prepaid, from One North Wacker Drive, Suite 4400, Chicago, Illinois to All Counsel of Record on the attached Service List, on this 4th day August, 2008.



Jeaninne Roraff

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:	)	
	)	
WATER QUALITY STANDARDS AND	)	
EFFLUENT LIMITATIONS FOR THE	)	R08-9
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AND THE LOWER DES PLAINES RIVER:	)	
PROPOSED AMENDMENTS TO 35 Ill.	)	
Adm. Code Parts 301, 302, 303 and 304	)	

PRE-FILED TESTIMONY OF RICHARD LANYON

My name is Richard Lanyon. I am the General Superintendent of the Metropolitan Water Reclamation District of Greater Chicago (District). I have been the General Superintendent since June 2, 2006 and I am responsible for the day-to-day operations of the District, overseeing the work of 2,000 employees and the administration of our statutory responsibilities and $1.4 billion budget. Prior to becoming General Superintendent, I was the Director of Research and Development (R&D) for 7 years. My career at the District began in 1963 and I have served in managerial positions in the Engineering and Maintenance and Operations Departments as well as in R&D.

I received Bachelor and Master of Civil Engineering degrees from the University of Illinois at Urbana-Champaign (UIUC). I received the American Society of Civil Engineer's National Government Civil Engineer of the Year Award in 1999 and Distinguished Alumnus of the Department of Civil and Environmental Engineering at the UIUC in 2003. I am also a past President of the Illinois Section of the American Society of Civil Engineers (ASCE) and have been involved in a variety of technical activities for ASCE, the Water Environment Federation, the Illinois Association of Wastewater Agencies, the U.S. Geological Survey and the National Association of Clean Water Agencies.

Currently, I serve on the Board of Directors of the National Association of Clean Water Agencies and I am the Chair of the National Biosolids Partnership's Steering Committee and Chair of the Water Environment Federation's Sustainability Community of Practice.

My testimony provides an overview of the Chicago Area Waterway System (CAWS), including its history and physical attributes; its current uses; and past, present and future efforts by the District to improve conditions.

CAWS Overview: History and Physical Attributes

The evolution of the CAWS, through the alteration of its natural rivers and the construction of artificial channels, allowed Chicago to prosper and expand. Construction of the Chicago Sanitary and Ship Canal was completed in 1900, reversing the flow of the Chicago River and South Branch away from Lake Michigan. The river, which historically acted as an open sewer receiving the discharge of sewage from city sewers, flowed directly into Lake Michigan before the Ship Canal was built. During storms, water from the Chicago River would move further into Lake Michigan near the drinking water intakes for the city, threatening outbreaks of waterborne illnesses. During dry weather, it was a source of odors and a public nuisance. The North Shore Channel and Wilmette Pumping Station and control gates were completed in 1910, through which Lake Michigan water was diverted to dilute and flush wastewater downstream through the North Branch of the Chicago River, which was deepened to accommodate the additional flow. The North Shore Channel also conveyed the discharge from sewers in Evanston, formerly draining to Lake Michigan. Upon the completion of the Calumet-Sag Channel and the Blue Island Lock in 1922, the Calumet River was also reversed to flow away from Lake Michigan. Attachments 1, 2 and 3, respectively, provide a current map of the CAWS; a photograph showing construction of one of the channels; and diagram of the flow reversal. Channel construction and modifications to the CAWS established a navigable

connection between the Great Lakes and the Illinois River, making Chicago a commercial center. Today, most of the CAWS is part of the Illinois Waterway, a federal navigation project under the oversight of the U.S. Army Corps of Engineers and the U.S. Coast Guard. Constructing channels also allowed for the drainage of sewage before sewage treatment was employed, and ultimately, for the drainage of treated wastewater. Most significantly, man-made channels facilitated the reversal of the Chicago and Calumet Rivers, away from Lake Michigan, so that Chicagoans could be provided safe and reliable drinking water. At the time, the CAWS was not constructed or altered with recreational or aquatic life uses in mind. While other purposes have evolved over time, it is important to remember that, above all, the CAWS must still support these commercial navigation and urban drainage functions that are so crucial to the public health and commercial success of Chicago.

Currently, the District manages the flow in the CAWS, which consists of 78 miles of canals and serves the Chicago area to drain urban stormwater runoff and treated municipal wastewater effluent, and support commercial navigation. Approximately 57 of the 78 miles of waterways controlled by the District are man-made where no natural river channel previously existed. The other 21 miles have been deepened, straightened, and/or widened to such an extent that they no longer resemble a natural river channel. The flow of water in the CAWS is artificially controlled by hydraulic structures. While flow in the CAWS is managed by the District, it must meet the requirements of a U.S. Supreme Court Decree concerning allowable diversions from Lake Michigan, and federal regulations[1] providing for the maintenance of navigable depths to support commercial navigation.

[1] 33 CFR § 207.420 and 207.425.

The Chicago River Controlling Works was constructed by the District in the late 1930s and was put into operation January 1, 1939 in compliance with the U.S. Supreme Court Decree governing the diversion of Lake Michigan water. This facility is currently maintained and operated by the U.S. Army Corps of Engineers and serves as one of three CAWS lakefront control structures.

The O'Brien Lock and Dam was constructed by the U.S. Army Corps of Engineers in 1960 as part of the Calumet-Sag Channel widening project. This structure replaced the Blue Island Controlling Works located at the east end of the Calumet-Sag Channel. The O'Brien Lock and Dam controls the volume of water diverted from Lake Michigan and the flow in the Calumet-Sag Channel. The flow in the Channel moves downstream into the Ship Canal where the flow is controlled by other lock and dam structures at Lockport. Operation of the control structures can result in wide fluctuations in flow velocity and depth in the Channel. High flows can impair aquatic life uses when habitat is destroyed and aquatic organisms are swept downstream. These fluctuations are not natural; rather they result from the District's operation of the waterway system to provide for navigation, urban drainage and flood damage reduction. During waterway draw downs, in anticipation of storm events, water levels and depth decrease with increased flow in the downstream reaches of the waterway system, whereas, in a natural river, the water level will rise and depth increase with an increase in flow. Further, flow regime variations occur entirely within the restricted rectangular or trapezoidal prism of the various reaches of this man-made channel system. There is no overbank expansion of the waterway with flow increases which would occur in the floodway and floodplain of a natural river.

All outflow exits the CAWS at the Lockport Powerhouse and Lock and Lockport Controlling Works. However, there are several sources of inflow to the CAWS. These include

treated effluent from water reclamation plants, discretionary diversion from Lake Michigan, water to operate the navigation locks, and leakage through control walls, tributary streams, storm runoff, and combined sewer overflows (CSOs). Over 70 percent of the annual flow in the system is from the discharge of treated municipal wastewater effluent from the Calumet, Lemont, North Side, and Stickney plants owned and operated by the District. During dry weather periods mainly in the winter months, virtually 100 percent of the flow is from these plants and other water reclamation plants on the tributary streams. During wet weather periods and in the summer months when lake diversion is occurring, about 50 percent of the flow is from the water reclamation plants. A comprehensive description of the CAWS's operations, facilities, and individual waterways can be found in Attachment 4.

Features of a natural river, such as gradually sloping banks, varied sediment size, bends, aquatic vegetation, riffles, and a mix of shallows and deep pool areas, are absent in most of the CAWS. The physical characteristics of the CAWS present safety issues that may render activities, such as, swimming, wading, and hand-powered boating hazardous to individuals. The man-made waterways do not have a shallow area along the banks; the depth drops off very rapidly; sediments are soft and unstable, many banks are lined with high walls consisting of vertical sheet piling, concrete, wood or large limestone rocks; periodic draw downs of water levels cause unexpected, rapid increases in stream velocity; and there is frequent barge and large power boat traffic. A rapid draw down of water levels in the CAWS before or during a large storm is a necessary action for draining storm runoff to protect streets and basements in Cook County from flooding. A diagram comparing the characteristics of a natural river versus the CAWS can be found in Attachment 5.

Further impacting the CAWS is the extremely high percentage of impervious surfaces in the watershed area. Aquatic environments, including the CAWS, are negatively impacted by the abundance of impervious surfaces (ground that does not absorb rain water) in their drainage areas, as well as the lack of riparian zone (area immediately surrounding waterway) habitat. Several literature sources suggest that there is a sharp decrease in aquatic habitat quality and a strong correlation to decreased aquatic biodiversity when impervious surfaces cover greater than 10 to 15 percent of the watershed.[2] Percent watershed imperviousness beyond 30 percent results in "severely degraded conditions for aquatic life in the form of either reduced benthic communities or the absence of fish life."[3] The 2001 National Land Cover Dataset, which is presented in Attachment 6, indicates that impervious surfaces cover about 42 percent of Cook County. In a U.S. EPA report, imperviousness was related to the use attainability of streams as follows:

> Recently, the imperviousness of the watershed has been suggested as an indicator that is correlated with use attainability. If the frequently cited threshold of 25% impermeability is used, streams in watersheds with greater than this value could be considered unlikely to ever attain a beneficial use regardless of site- and reach-specific factors.[4]

Furthermore, vertical limestone or steel sheet piling walls do not provide shallow habitat along the channel banks where light can penetrate and aquatic plants can grow. This lack of in-stream cover and protection limits fish spawning, diversity, and abundance, and growth of larval fish. By definition, channels are void of sinuosity (bends) – a property essential for normal

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[2] Booth, Derek and C. Rhett Jackson, 1997. "Urbanization of Aquatic Systems—Degradation Thresholds, Stormwater Detention, and the Limits of Mitigation." *Journal of the American Water Resources Assocation.* 22(5), 1077-1090. Klein, R., 1979. "Urbanization and Stream Quality Impairment." *Journal of the American Water Resources Association* 15(4), 948-963. Schueler, T.R., 1994. "The Importance of Imperviousness." *Watershed Protection Techniques* 1(3), 100-111.

[3] Klein, 1979.

[4] Yoder, Chris O., Robert J. Miltner, and Dale White, 2000. "Using Biological Criteria to Assess and Classify Urban Streams and Develop Improved Landscape Indicators." *Proceedings of the National Conference on Tools for Urban Water Resource Management and Protection February 7-10, 2000, Chicago, Illinois.* EPA/625/R-00/001.

sediment transport and the development of riffle, run, and pool sequences found in natural streams.

CAWS Current Uses

Other factors in the Chicago area, like industrial land use and commercial barge traffic also impact the safety of activities such as wading and small hand-powered boating. Much of the CAWS consists of man-made, deep, trapezoidal-shaped channels that experience heavy barge traffic. Approximately 17,000 barges locked through Lockport Lock and Dam, and over 9,000 barges locked through O'Brien Lock and Dam in 2006.[5] United States Army Corp of Engineers data indicates that 8,792 barges traveled along the Calumet-Sag Channel in 2006. Attachment 7 presents barge statistics for various waterways. In addition to this barge traffic, there is a high volume of associated commercial offloading throughout the CAWS. Finally, industrial riparian land use is common along the CAWS, which is no surprise for a system designed for the conveyance of treated wastewater effluent and stormwater and commercial navigation.

District's Efforts to Protect and Improve Water Quality in the CAWS Since its Creation

From the 1830s to the latter part of the 19th Century, the rapidly growing City of Chicago was beleaguered with numerous epidemics of waterborne diseases. During that time, the city's mortality rate was among the highest in the world. This contributed to the creation of the District, along with a desire to eliminate the nuisance of the odorous Chicago River and develop a navigation link with the Illinois River. Initially, the main role of the District was to protect Lake Michigan as the primary source of drinking water for the Chicago area. This was accomplished by building the channel from Chicago to Joliet and using Lake Michigan water to dilute the sewage. By the close of the District's canal building era in 1922, sewage treatment was already

[5] Lockage data is available on USACE website: http://www.iwr.usace.army.mil/ndc/lpms/lock2006web.htm.

underway with the construction of the intercepting sewer system and sewage treatment plants. Construction of the Calumet, North Side and Stickney Water Reclamation Plants was completed in the 1920s through the 1940s. Since the District's inception in 1889, there have been a number of improvements and advancements in the protection of water quality that the District has pioneered and introduced, not the least of which is the construction and operation of its seven water reclamation plants. Consequently, there have been dramatic improvements in the water quality and the public health in the Chicago area. The District's efforts to protect and improve the water quality of the CAWS since its creation are described in Attachment 8.

The District's water reclamation plants are a well-engineered system that combines primary treatment (settleable and floatable solids removal) and secondary treatment (activated sludge and clarification) to achieve a high level of treatment with consistently good performance meeting all NPDES permit limits. Furthermore, degradation and assimilation processes occur in the CAWS which help to reduce the remaining organic constituents in stormwater and treated effluent without harm to fresh water aquatic life. The District's treated wastewater has been demonstrated to have relatively low levels of pathogenic microorganisms. Moreover, the pathogenic microorganisms do not thrive well outside the human body and the freshwater's natural disinfection process is aided by exposure to indigenous bacteria and sunlight.

In addition to management of the reclamation plants, the District is also responsible for completion and operation of the Tunnel and Reservoir Plan (TARP). Construction of the first TARP tunnel began in 1975 and construction of all 109 miles of tunnels was completed in March 2006. One of three reservoirs (the O'Hare Chicago Underflow Plan Reservoir) has been completed and has been in operation since 1998. Construction of the two remaining reservoirs is underway. The Thornton Reservoir is expected to be completed by 2014. Stage 1 of the

McCook Reservoir is expected to be complete by 2015 and Stage 2 by 2024. TARP has significantly reduced the number of CSOs to the CAWS and backflows to Lake Michigan. As of 2006, TARP cumulatively captured 885 billion gallons of combined sewage that would otherwise have discharged to the CAWS. All captured combined sewage was given complete secondary treatment. Between 2002 through 2006, the District was averaging 43 days per year of CSO discharges, less than half the number experienced prior to the tunnels being placed in operation 1985. It is expected that the completion of the TARP reservoirs will further reduce CSOs to the waterways and lower the accompanying risks. Furthermore, capital improvements for the District's three largest plants, which are nearly 80 years old, and investment for the construction of TARP have to be implemented in the next twenty years to maintain the high quality of the treated wastewater from the region and to protect the drinking water source. These capital improvement investments will cost billions of dollars to implement.

The District's leadership role is described by Blatchely et al (2007) in an article published in *Water Environment Research*:

> Leadership within the Metropolitan Water Reclamation District of Greater Chicago has often challenged conventional thinking on topics relating to municipal wastewater treatment; in several cases, the approaches taken by the MWRDGC to solve wastewater treatment and water quality problems have resulted in important innovations that have subsequently been adopted by other municipalities.[6]

In addition, the 2003 report of the Environmental Law & Policy Center attests to the substantial improvement trends in Illinois Water Quality since 1972.[7] Furthermore, U.S. EPA Region 5

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[6] Blatchley *et. al.* (2007). "Effects of Wastewater Disinfection on Waterborne Bacteria and Viruses," *Water Environment Research*, Volume 79, Number 1, pp 81-92.

[7] Environmental Law & Policy Center. "Illinois Water Quality and the Clean Water Act. A Report of the Environmental Law & Policy Center," October 2003.

published a State of the Waters 2002 Report, which stated that water quality trends indicate a general improvement in Illinois streams and rivers.[8]

While the District's efforts have brought about substantial improvements in water quality, which now largely meets General Use standards, there is a misconception that the waterways have become the equivalent of natural General Use river systems and have the potential to support unlimited recreational and aquatic life uses. However, the physical configuration and properties of the system, which was not designed to support recreation or aquatic life use, are now the primary limitation to further use attainment in the system. The District is proud of what it has accomplished over its 119 year history and is pleased that the CAWS that it created is now viewed as an asset and source of pride for the community. However, we must caution that any serious attempt to assess the use potential of the system must look beyond current, or anticipated future, water quality and must realistically consider the substantial and widespread modifications to the existing physical configuration and properties of the system that would be necessary to actually enable recreational uses to safely flourish or aquatic life uses to significantly improve.

As has been our proud tradition, the District is prepared to take on new challenges to further improve our treatment plant effluent quality and water quality in the CAWS if sound scientific and engineering studies demonstrate feasibility, significant benefit and economic reasonableness. As it currently stands, we do not see that the IEPA's proposal has clearly demonstrated any of these important criteria. In order to assist the IEPA and the Board in completing the UAA study, the District has undertaken numerous landmark studies that will provide a sound basis for evaluating feasibility, benefit, and economic reasonableness. A list of these studies is included as Attachment 9. Some of the studies are complete and will be presented

[8] U.S. EPA Region 5. "State of the Waters 2002," September 2002.

in testimony to follow. Others are underway and will be completed within the next two years. I am confident that you will understand the significance of these studies and the implications of moving ahead with a rulemaking in the absence of their results as the following testimony is presented.

I thank you for the opportunity to present this testimony and I am hopeful that we will proceed with the best interests of all of the District's constituents in mind.

Respectfully submitted,

R Lanyon

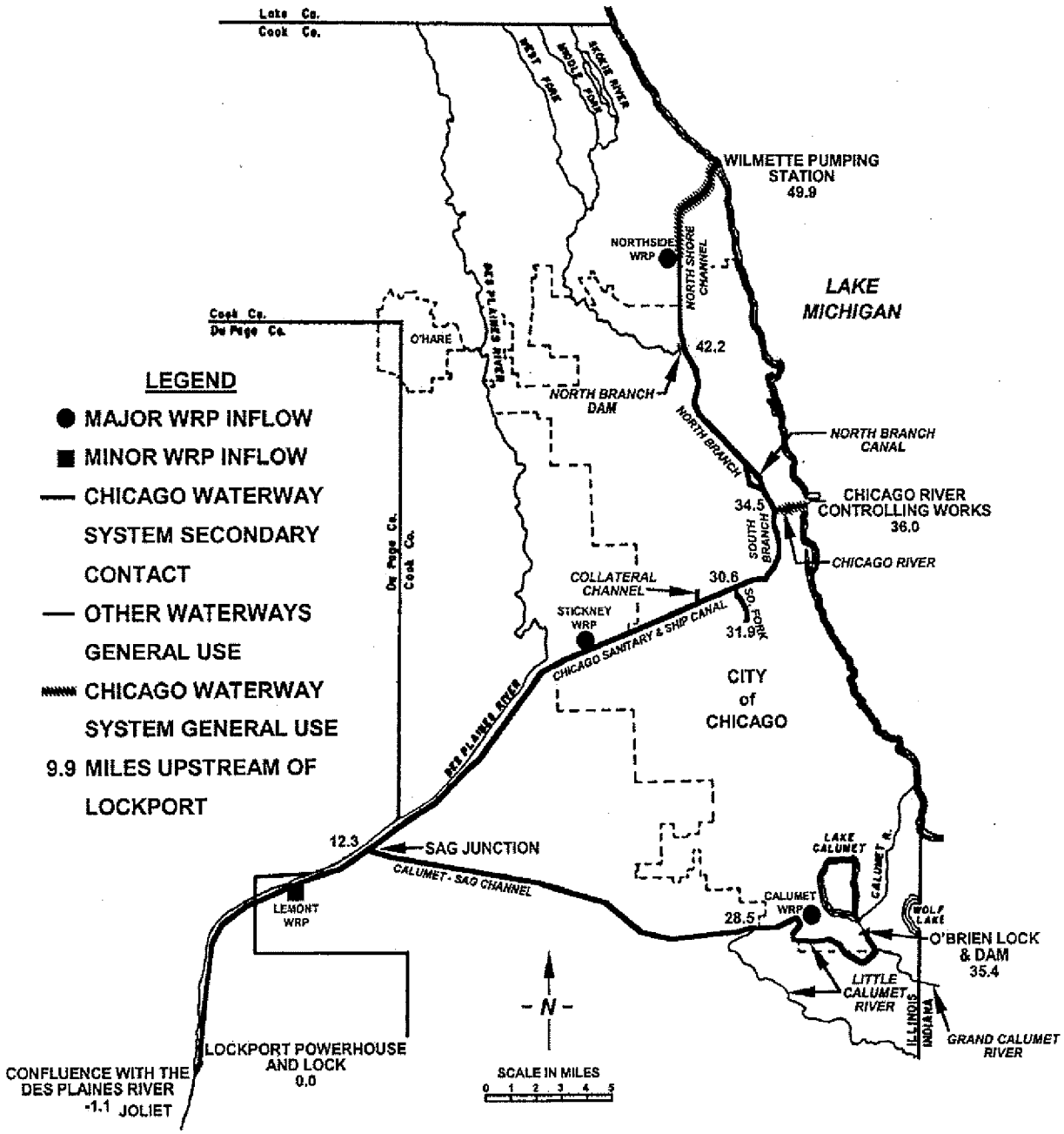
By: Richard Lanyon

Testimony Attachments

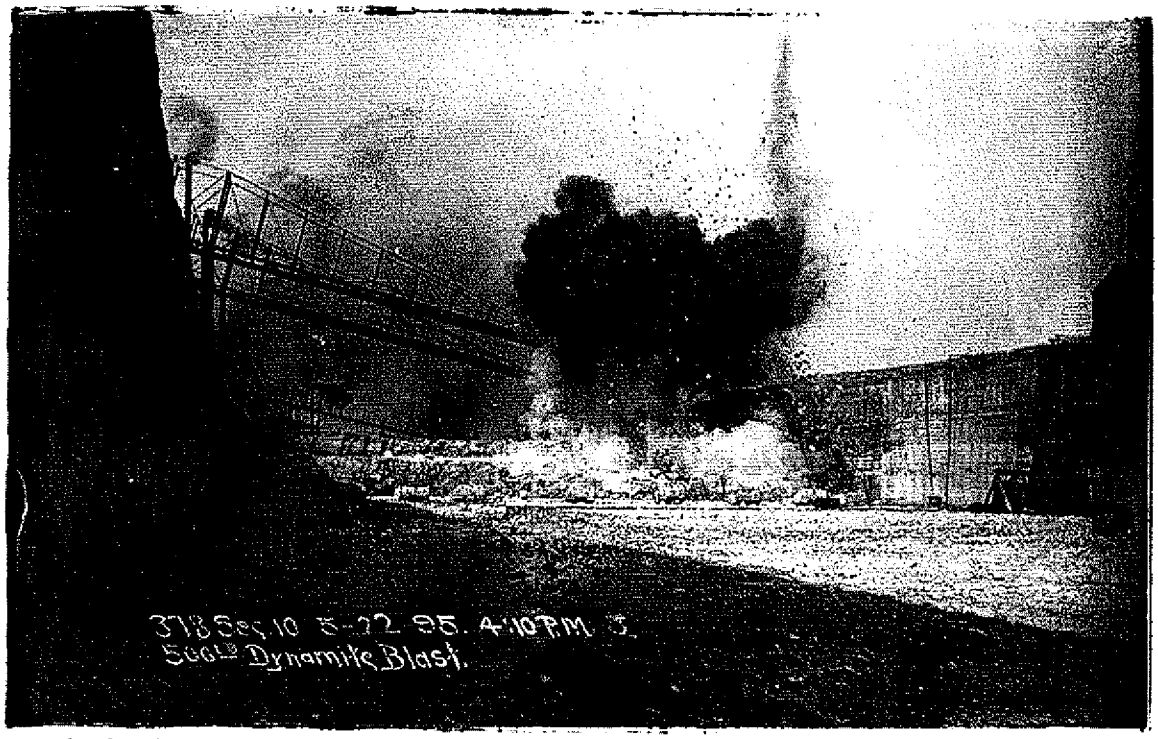
1. Current CAWS Map and Photographs of Reaches
2. A Photograph showing Construction of one of the Channels
3. Chicago River Reversal Diagram
4. R&D Report No. 08-15. *Description of the Chicago Waterway System for the Use Attainability Analysis.*
5. Comparison of the CAWS and a Natural River Diagram
6. 2001 National Land Cover Data Set Map of Impervious Surfaces in Cook County
7. US Army Corp of Engineers Barge Data from 2005
8. Timeline of District Improvements on the CAWS
9. UAA Timeline

Attachment 1

FIGURE 1: CHICAGO WATERWAY SYSTEM



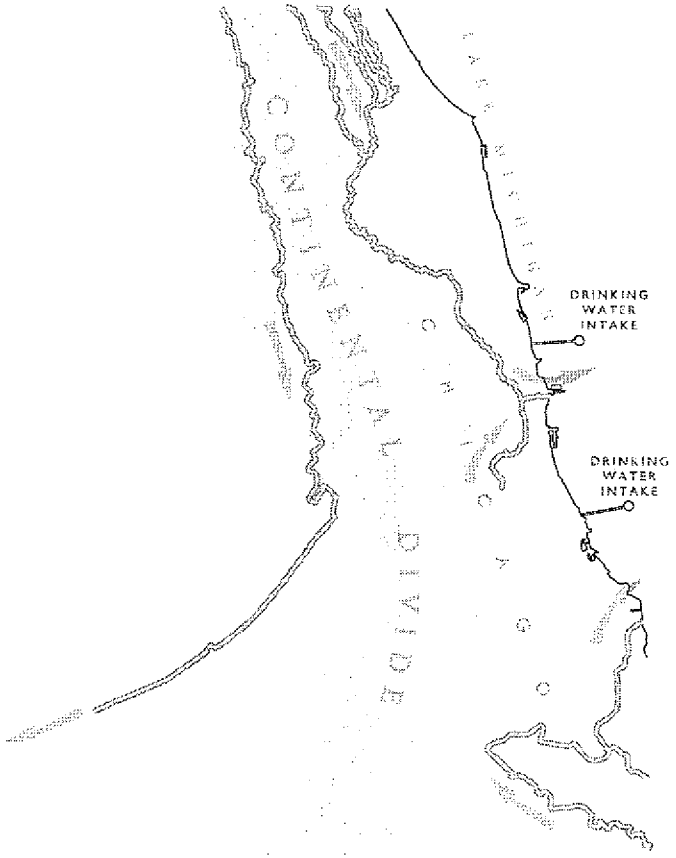
Attachment 2



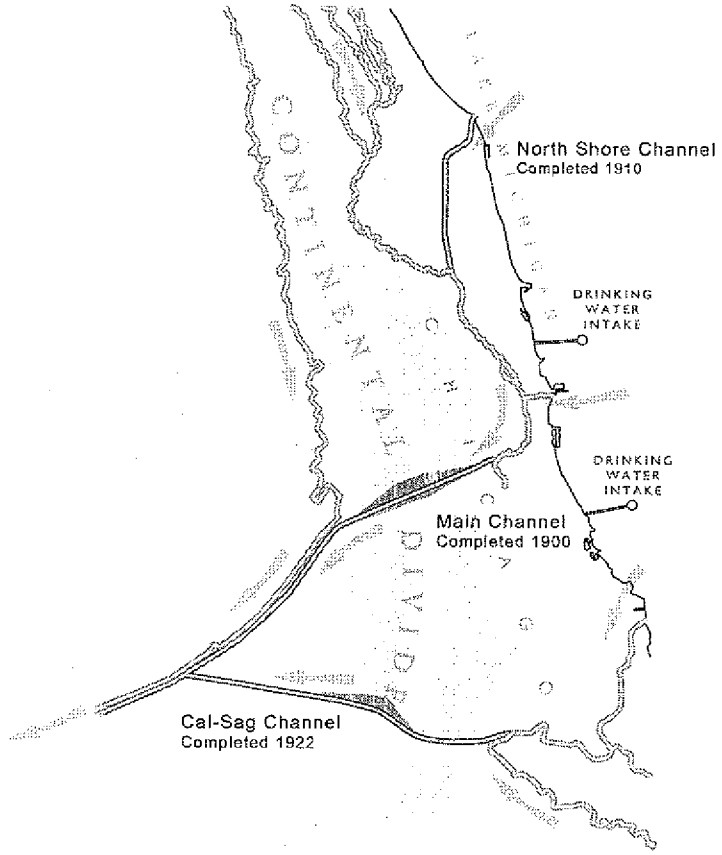
Photograph taken in 1895 during the excavation of the Chicago Sanitary and Ship Canal. Notice the steep vertical walls on the sides of the channel.

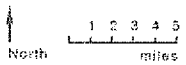
Attachment 3

Before the River Reversal

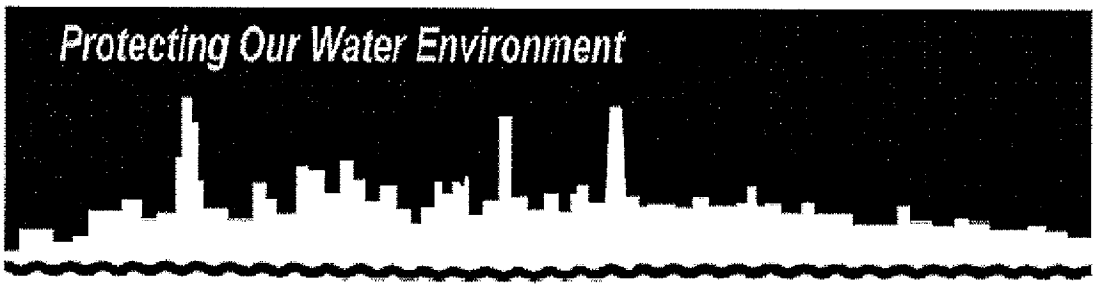


After the River Reversal





Attachment 4



Metropolitan Water Reclamation District of Greater Chicago

RESEARCH AND DEVELOPMENT DEPARTMENT

REPORT NO 08-15

DESCRIPTION OF THE CHICAGO WATERWAY SYSTEM FOR THE USE ATTAINABILITY ANALYSIS

March 2008

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
100 East Erie Street Chicago, IL 60611-2803 (312) 751-5600

DESCRIPTION OF THE CHICAGO WATERWAY SYSTEM

FOR THE USE ATTAINABILITY ANALYSIS

Research and Development Department
Louis Kollias, Director

March 2008

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LIST OF FIGURES

CHICAGO WATERWAY SYSTEM

The Chicago Waterway System (CWS) consists of 78 miles of canals, which serve the Chicago area for two principal purposes, the drainage of urban storm water runoff and treated municipal wastewater effluent, and the support of commercial navigation. While the CWS was not constructed with recreational or aquatic life uses in mind, other purposes have evolved over time including recreational boating, fishing, streamside recreation and, where possible, aquatic habitat for wildlife. Approximately 75 percent of the length are man-made canals where no waterway existed previously and the remainder are natural streams that have been deepened, straightened and/or widened to such an extent that reversion to the natural state is not possible. The flow of water in the CWS is artificially controlled by hydraulic structures (see Figure 1).

Due to the artificial nature of the CWS, its ability to support aquatic life and recreational uses are inherently limited. The absence of gradual sloping banks, shallow littoral zone habitat, and bends result in a limited habitat for aquatic biota. Homogenous silt sediments that severely restrict macroinvertebrate and fish populations are deposited throughout much of the CWS due to the unnatural stream flow dynamics. Some recreational activities can be hazardous in the CWS, due to the extent of commercial traffic, as well as the lack of safe exit points from the water.

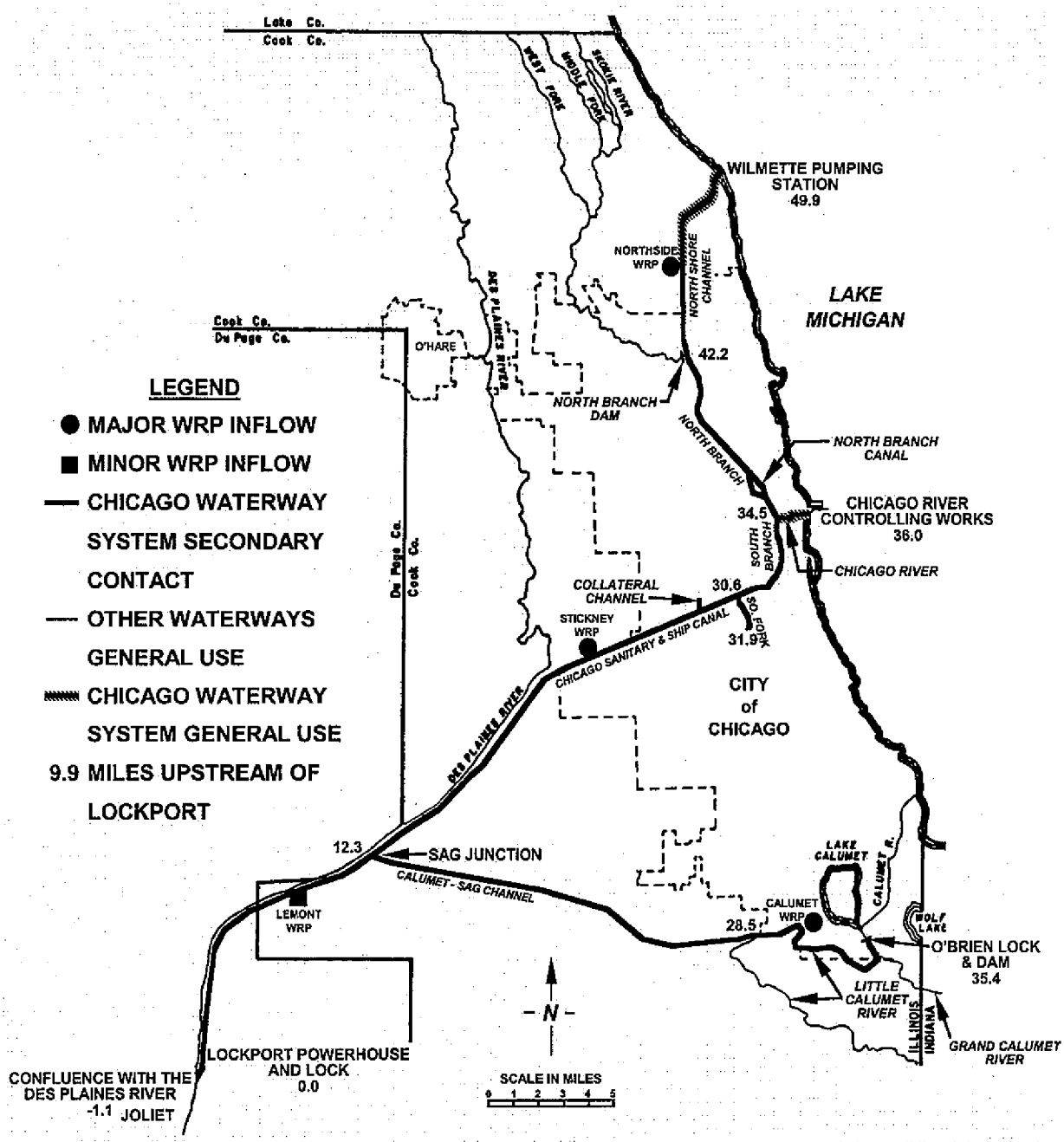
System Description

The Lockport Controlling Works (LCW) is one of two outlet control structures for the CWS. All flow from the CWS's 740 square mile watershed discharges from the Chicago Sanitary and Ship Canal (CSSC) to the Des Plaines River north of the city of Joliet. The confluence is 1.1 miles downstream of the Lockport Powerhouse and Lock (LP&L). This reach is the upper end of the Brandon Road navigation pool. The LP&L is the single outlet control for the CWS. It should be noted that on Figure 1, distances on the CWS are measured from the LP&L. The CWS has two river systems, the Calumet River System and the Chicago River System.

The Calumet River System is 23.1 miles in length and includes the Calumet-Sag Channel (CSC) and the Little Calumet River (LCR) (also called the LCR North). The Chicago River System consists of 55.1 miles of waterways and includes the Chicago River, CSSC, North Branch, North Branch Canal (NBC), North Shore Channel (NSC), South Branch, and South Fork. The South Fork is commonly known as Bubbly Creek. Each river system will be described separately.

Chicago River System. The CSSC extends upstream from the confluence with the Des Plaines River for a distance of 31.1 miles to South Damen Avenue in the city of Chicago (Chicago). The waterway then becomes the South Branch, extending upstream for 4.5 miles to the junction of the Chicago River and the North Branch. The South Fork flows into the South Branch and extends upstream for 1.3 miles, ending at 38th Street in Chicago. The Chicago River extends upstream from the junction of the North and South Branches for 1.5 miles and ends at

FIGURE 1: CHICAGO WATERWAY SYSTEM



the Chicago River Controlling Works (CRCW). The North Branch extends upstream from the junction of the Chicago River and South Branch for 7.7 miles to the North Branch Dam, located south of Foster Street in Chicago. The NBC is an alternate route around Goose Island between Chicago and North Avenues and is 1.0 mile long. At the North Branch Dam, the waterway becomes the NSC, extending upstream for 7.7 miles, ending at the Wilmette Pumping Station (WPS).

Calumet River System. The CSC extends upstream from its junction with the CSSC (Sag Junction) for 16.2 miles to the LCR. At this point, the waterway becomes the LCR and extends upstream 6.9 miles, ending at the O'Brien Lock and Dam (OL&D). It should be noted that the Calumet River extends upstream of the OL&D to Lake Michigan. However, since the Calumet River is directly connected to Lake Michigan, it is not considered part of the CWS. The water level and flow in the Calumet River can not be controlled the way that the CWS is controlled.

Tributaries to the Chicago Waterway System. There are several streams that contribute flow to the CWS. These include the Grand Calumet River, LCR above its confluence with the CWS (also called LCR South), the North Branch above the North Branch Dam and numerous small watersheds along the CSC and CSSC. In addition, there are numerous small stormwater drainage inputs along the CWS, including areas served by storm sewers, parking lots, street ends, rooftop drains, etc.

Control and Management of Flow

Flow in the CWS is managed by the Metropolitan Water Reclamation District of Greater Chicago (District), but is subject to regulation under U. S. Supreme Court Decree and 33 CFR Parts 207.420 and 207.425. The CFR provides for the maintenance of navigable depths to support commercial navigation. The Chicago River at the CRCW and the LCR at the OL&D must be maintained between -0.5 feet, Chicago City Datum (CCD) and -2.0 feet, CCD water levels per Code of Federal Regulations during normal conditions. The water level at the Sag Junction must be maintained between -4.0 feet, CCD and -1.8 feet, CCD. The lower limits allow the federal navigation project depths to be maintained throughout the CWS above the LP&L, while the upper limit prevents unintentional reversal into Lake Michigan. The ideal water elevation at CRCW and the OL&D is -2.00 feet, CCD. This water elevation provides the greatest level of flood protection by maintaining the highest allowable capacity available for the transportation of stormwater runoff without requiring permission from the United States Army Corps of Engineers (USACE) to further lower the water elevation. The upper limit of -1.80 feet, CCD and -2.00 feet, CCD at the Sag Junction and the LCW, respectively, are set to prevent washout of the soil banks of the canal at the LP&L.

The U. S. Supreme Court Decree governs the quantity of water from Lake Michigan that is diverted out of the Great Lakes Basin into the Mississippi River Basin by the State of Illinois (Illinois). Within Illinois, this quantity is subject to regulation by the Illinois Department of Natural Resources, Division of Water Resources (DWR). The DWR issues allocation orders for

annual average quantities of diversion. Most of the diversion is allocated to municipalities for domestic consumption. The District has an order that allows it to divert water for improvement of water quality and this is referred to as discretionary diversion. Currently and through 2014, the District allocation is for an annual average of 270 cubic feet per second (cfs). In 2015, it is scheduled to be reduced to an annual average of 101 cfs.

An additional annual average of 35 cfs is allocated to the District for navigation makeup. This is necessary to restore the CWS to the required water level for navigation following a system draw down for wet weather operations.

There are two other diversion categories which do not have a specific allocation, but for which the DWR maintains a reserve quantity. An approximate annual average of 100 cfs is the reserve needed for operation of the locks at CRCW and OL&D for passage of navigation traffic.

Another approximate annual average of 50 cfs is reserved for leakage through the walls and structures separating the lake and river. The actual amount of each of these reserves varies with the level of Lake Michigan.

Accounting for the amount of water diverted from Lake Michigan is the responsibility of the DWR and the USACE, Chicago District. The measurement of quantities of diversion and the method of accounting are specified in the U. S. Supreme Court Decree and in a 1996 Memo of Understanding between the U. S. Department of Justice and the several states bordering the Great Lakes.

Inflow and Outflow

All outflow exits the CWS at the LP&L and the LCW. However, there are several sources of inflow to the CWS. These include WRP effluent, discretionary diversion, navigation and leakage, tributaries, storm runoff, and combined sewer overflows (CSO).

Outflow. The average annual flow leaving the CWS in Water Year (WY) 2005 was 2,725 cfs as measured by the U. S. Geological Survey (USGS) at Romeoville Road. Maximum and minimum daily discharge during WY 2005 was 13,973 and 1,287 cfs, respectively. Since 1986, the maximum and minimum WY annual average discharges have been 4,113 and 2,342 cfs, respectively. The maximum instantaneous discharge was 19,500 cfs on February 21, 1997. There are periods of zero and negative discharge due to operations at the LP&L and the hydraulic peculiarities of the CWS.

Water Reclamation Plant Effluent. Over 70 percent of the annual flow in the system is from the discharge of treated municipal wastewater effluent from the Calumet, Lemont, North Side, and Stickney Water Reclamation Plants (WRPs) owned and operated by the District. During the winter months, virtually 100 percent of the flow is from these WRPs; during the summer

months, about 50 percent of the flow is from the WRPs. The WRPs are also shown on Figure 1. During 2006, these WRPs had the following flow characteristics:

WRP	Average Annual Flow (MGD*)	Design Average Flow (MGD*)	Design Maximum Flow (MGD*)
Calumet	283	354	430
Lemont	2.31	2.3	4.0
North Side	244	333	450
Stickney	729	1,200	1,440

*MGD=million gallons per day (1 MGD = 1.547 cfs).

Discretionary Diversion. Discretionary diversion is introduced into the system from Lake Michigan to maintain adequate water quality. This occurs at three locations, WPS, CRCW, and OL&D, shown on Figure 1.

Discretionary diversion is seasonal and is scheduled such that most flow is during warm weather months of June through October. Some flow is scheduled throughout the year for the NSC due to more sensitive water quality conditions. Discretionary diversion flows for calendar year 2006 were as follows:

Inflow Facility	Average Annual (cfs)	Monthly	
		Minimum (cfs)	Maximum (cfs)
WPS	40.4	0	129
CRCW	127.5	0	428
OL&D	83.5	0	303

Navigation and Leakage. This flow consists of discharge to support navigation in the operation of locks and leakage through structures and walls separating the lake and river. There is no navigation traffic at the WPS. It should be noted that navigation flows are seasonal. In addition, the quantity is dependent on the lake level, since flow at CRCW and OL&D is by gravity only. Leakage, formerly a significant quantity at CRCW, has been reduced through repair of gates and construction of new walls. The average annual, monthly maximum, and monthly minimum flows at each of these facilities for calendar year 2006 were as follows:

Facility	Navigation			Lockage			Leakage		
	Average Annual (cfs)	Monthly Max (cfs)	Monthly Min (cfs)	Average Annual (cfs)	Monthly Max (cfs)	Monthly Min (cfs)	Average Annual (cfs)	Monthly Max (cfs)	Monthly Min (cfs)
WPS	0	0	0	0	0	0	1.3	2.2	0.0
CRCW	27.4	101	0	13.8	32	1.0	14	19	10.0
OL&D	8.7	52	0	19.1	43	4.0	8.9	10	7.0

The average annual discharge for WY 2006 measured by the USGS downstream from CRCW is 155 cfs. Due to a lack of funding, the gauges at the other two intake facilities, OL&D and WPS are no longer active.

Tributaries. The major tributaries to the CWS are the LCR, which has a watershed area of over 210 square miles, and the North Branch Chicago River, with a watershed area of 113 square miles. Other tributaries discharging into the CSC include Crooked Creek, East Stony Creek, Illinois and Michigan Canal, Midlothian Creek, Mill Creek, Navajo Creek, Saganashkee Slough, Tinley Creek, and West Stony Creek. Tributaries discharging into the CSSC include the Illinois and Michigan Canal diversion ditches and Summit-Lyons Conduit. Please refer to the CWS Listing of Facilities, Inflows, and Monitoring Locations (CWS List) located at the end of this report.

Storm Runoff. Numerous storm sewers discharge to the CWS from several municipalities and Illinois Department of Transportation drainage facilities. A complete inventory of these facilities is not available.

Combined Sewer Overflow. The combined sewer area within the District serves a collection area of approximately 375 square miles, which includes most of the city of Chicago. There are 177 National Pollutant Discharge Elimination System (NPDES) permitted CSOs that discharge to the CWS from about 40 municipalities and the District. The District has a comprehensive CSO outfall inventory available at www.mwrd.org.

Major Pumping Stations. The CSO outfalls include five major pumping stations (PS) which serve a collection area of about 54.8 square miles. These stations include the Racine Avenue PS, which discharges into the South Fork of the South Branch of the Chicago River (also known as Bubbly Creek); the 95th Street PS, which discharges into the Calumet River; the 122nd Street PS, which discharges into the Calumet River; the 125th Street PS, which discharges into the Little Calumet River, and the North Branch PS which discharges into the North Branch of the Chicago River. The pumping capacities of these major pumping stations to the CWS during storm events are detailed below:

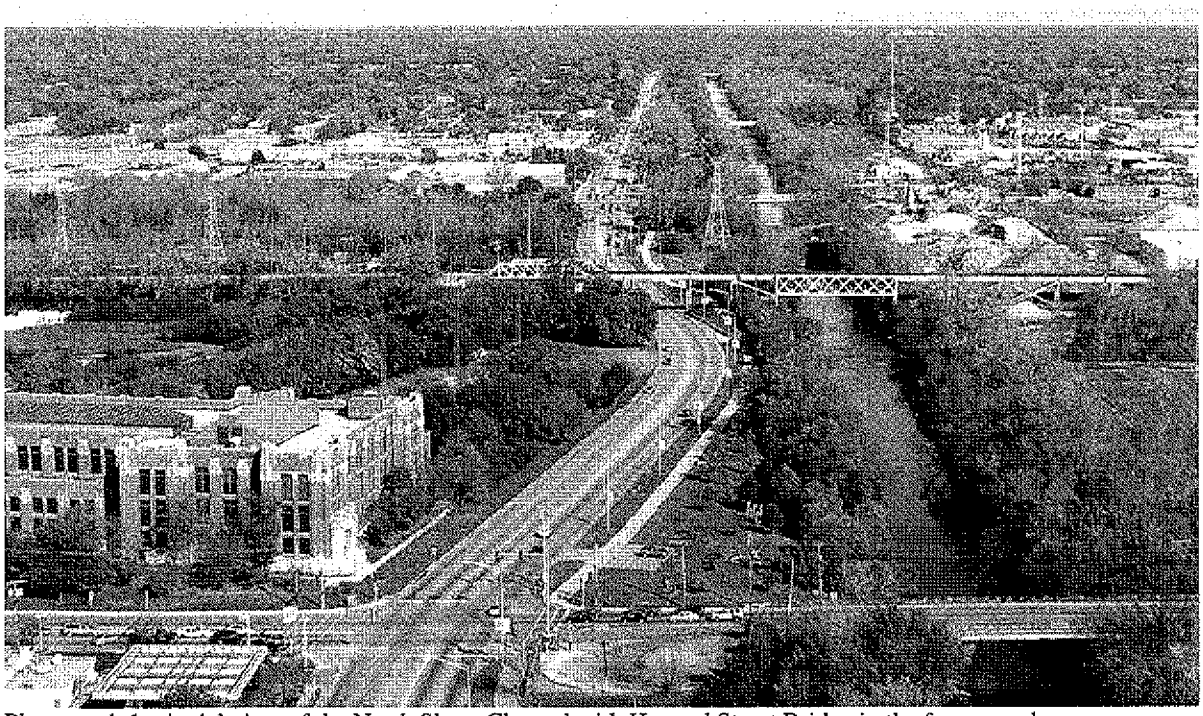
Pumping Station	Pumping Capacity to the CWS During Storm Events (cfs)
North Branch PS	1,500
Racine Avenue PS	3,125
95th Street PS	855
122nd Street PS	375
125th Street PS	1,140

PHYSICAL DESCRIPTION OF THE WATERWAYS

Chicago River System

North Shore Channel. (Photograph 1) This man-made channel is 7.7 miles in length and is straight throughout except for four bends in alignment near Devon and Central Avenues and Emerson and Linden Streets. It has steep earthen side slopes and a width of 90 feet. The depth varies from 5 to 10 feet. The NSC was completed in 1910 in order to divert water from Lake Michigan to dilute and flush wastewater downstream through the North Branch Chicago River. It also served as a conveyance for wastewater from communities north of Chicago.

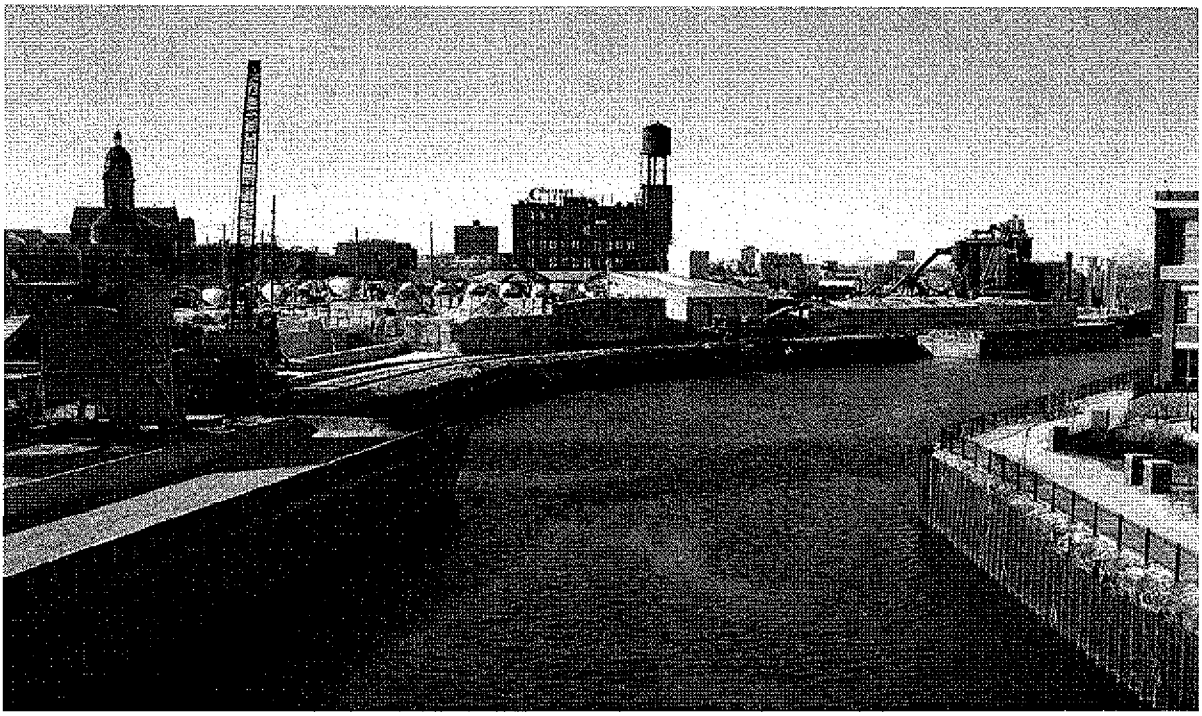
Land use along the NSC is generally urban commercial and residential. In-stream aquatic habitat is often present along the partly shaded banks, in the form of aquatic plants, tree roots, and brush debris jams. Presently, there are often stagnant flow conditions in the NSC above the North Side WRP discharge. In the northernmost reaches of the NSC, near Central Avenue, a variety of sediment types are present and the depth of fines is generally one foot or less. Just upstream of the North Side WRP, at Oakton Avenue, silt makes up the majority of sediment composition, with deeper depth of fines than the upstream reaches (2-4 feet). In the reach directly downstream of the North Side WRP, near Touhy Avenue, a majority of the sediment is comprised of sand. Depth of fines range from under a foot up to 5 feet. Near Foster Avenue, approaching the confluence with the North Branch Chicago River, sediment is mixed and depth of fines is less than a foot.



Photograph 1: Aerial view of the North Shore Channel with Howard Street Bridge in the foreground.

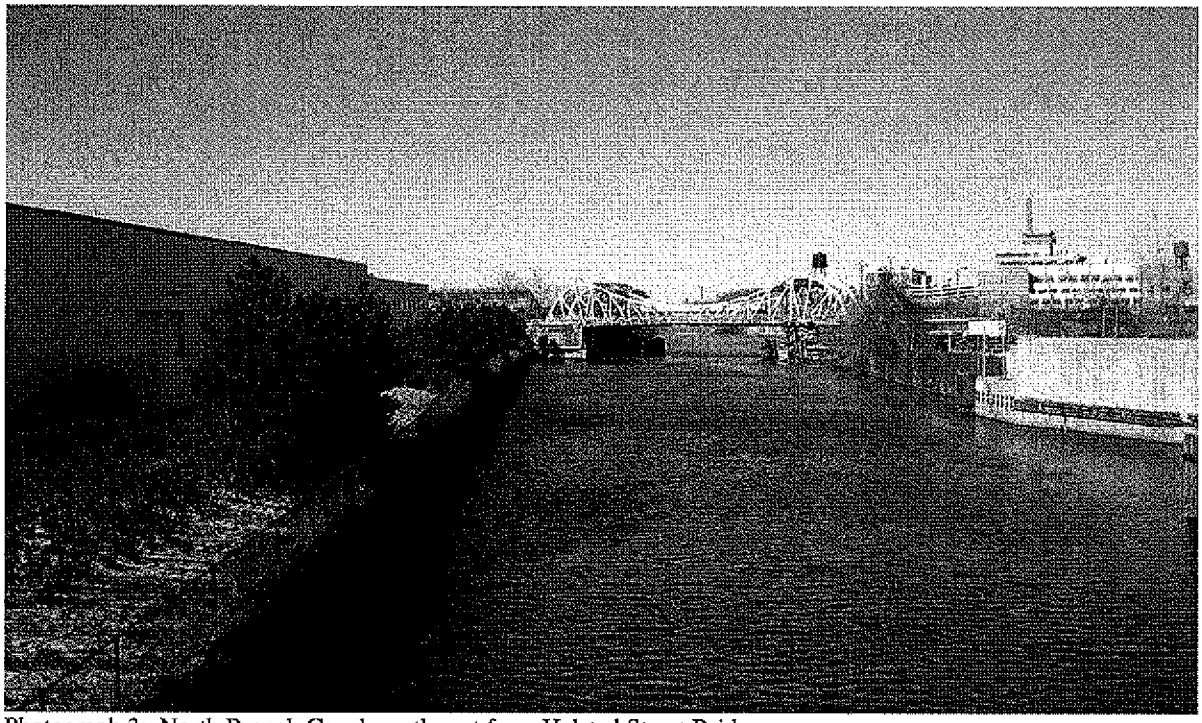
North Branch Chicago River. (Photograph 2) From the junction of the Chicago River and the South Branch upstream to Belmont Avenue, a distance of 5.1 miles, the river follows its original course and has several bends. The North Branch is a natural portion of the CWS that was historically straightened, widened, and dredged to accommodate increased volume of diluted wastewater from the man-made NSC. The width varies from 150 to 300 feet and the depth varies from 10 to 15 feet. In several reaches, vertical dock walls have been constructed and are in various states of disrepair. From Belmont Avenue to the North Branch Dam, 2.6 miles, the channel has been either straightened or relocated into fairly straight segments with steep earthen side slopes. The width is generally 90 feet and the depth is approximately 10 feet in the center part of the channel.

Today, the northern deep-draft portion of the North Branch Chicago River by Wilson Avenue has mostly urban residential land use and contains in-stream habitat with logs, boulders, and an under-cut bank. In these upstream reaches, sediment is comprised mostly of cobble and sand, with fine sediments usually less than a foot deep. Further downstream, near Diversey Avenue, land use changes to mostly commercial/industrial, and there is decreased canopy cover. Sediment consists mostly of silt with scoured concrete in some areas, and depth of fines ranges from approximately 1-3 feet. There is limited in-stream habitat near the banks, including debris jams, boulders and tree roots. As the North Branch approaches downtown Chicago, physical habitat is further degraded. Near Grand Avenue, land use is primarily industrial/commercial, with periodic vertical sheet pile walls and concrete "banks." There is a lack of in-stream habitat and little canopy cover. Sediment is comprised primarily of silt with depth of fines ranging from 1 to greater than 5 feet.



Photograph 2: North Branch Chicago River, west from Halsted Street Bridge.

North Branch Canal. (Photograph 3) This canal was man-made in the 1870s. It forms the east side of Goose Island, has a straight alignment and is one mile in length. The width varies from 80 to 120 feet and the depth from 4 to 8 feet.



Photograph 3: North Branch Canal, northwest from Halsted Street Bridge.

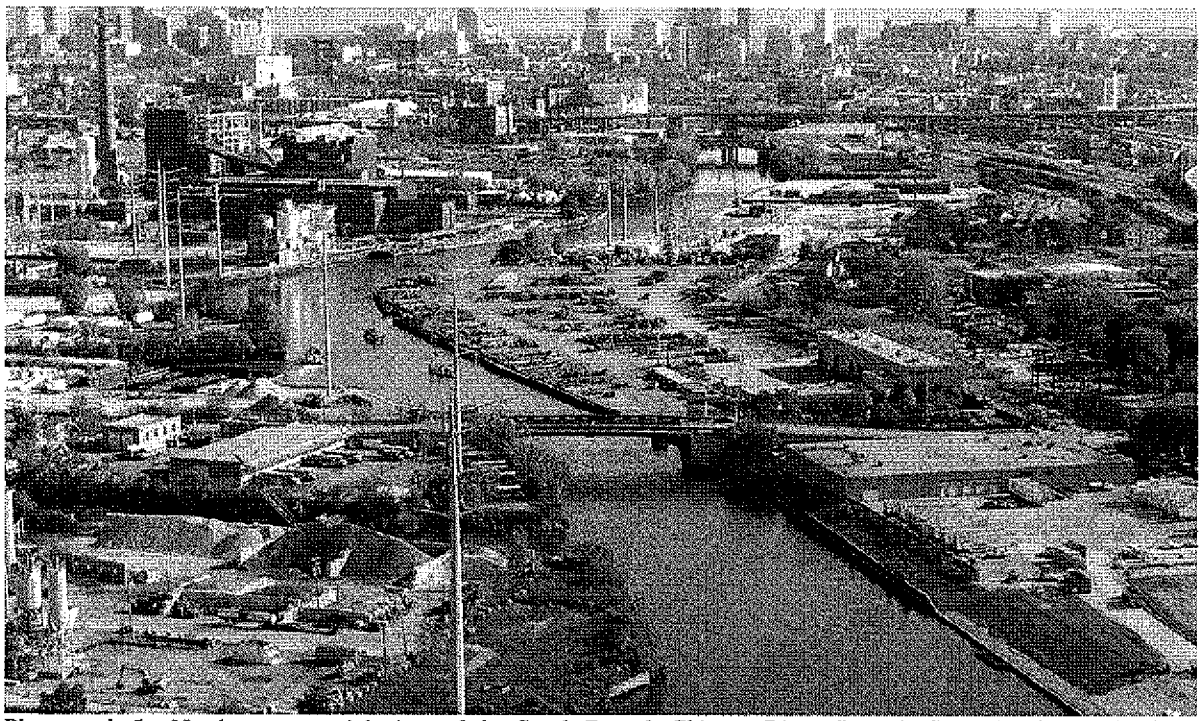
Chicago River. (Photograph 4) The Chicago River, 1.5 miles in length, is 200 feet wide west of Michigan Avenue and wider, up to 400 feet wide, east thereof. It has vertical side walls throughout its length. It is 20 feet deep at the west end and 26 feet deep at the east end. The river alignment is generally straight with three bends near Michigan Avenue and State and Orleans Streets. The Chicago River historically flowed into Lake Michigan, but was reversed by the construction of the CSSC, and the mouth of the river was altered where it met Lake Michigan. Its entire length was also dredged, widened, and straightened so that shipping vessels could travel through it in the 1800s and to facilitate urban development of the downtown area.

Currently, the Chicago River contains extreme physical limitations to recreation and aquatic habitat, as it flows right through downtown Chicago and contains steep vertical sheet piling walls. There are no shallow areas and there is very little to no canopy cover. Fine grained silt sediments predominate. Because of the temperature and salinity differential between the warmer, more saline water from the NBCR and the colder, less saline water of Lake Michigan, density currents are sometimes established in the Chicago River. These density currents can result in simultaneous bi-directional flow in the Chicago River. In addition, the gradient of the bed is very small, making it difficult to push the water out of the Chicago River.

Photograph 4: The Chicago River, looking east. Wells Street Bridge in foreground.

South Branch Chicago River. (Photograph 5) This 4.5 mile long segment generally follows its original course and has several bends, though it was somewhat straightened and channelized between 1928–1929 for the convenience of navigation. A short reach between Roosevelt Road and 18th Street was relocated in 1928 to eliminate a major bend. The South Branch has vertical dock walls throughout most of its length. The width varies from 200 to 250 feet and the depth from 15 to 20 feet.

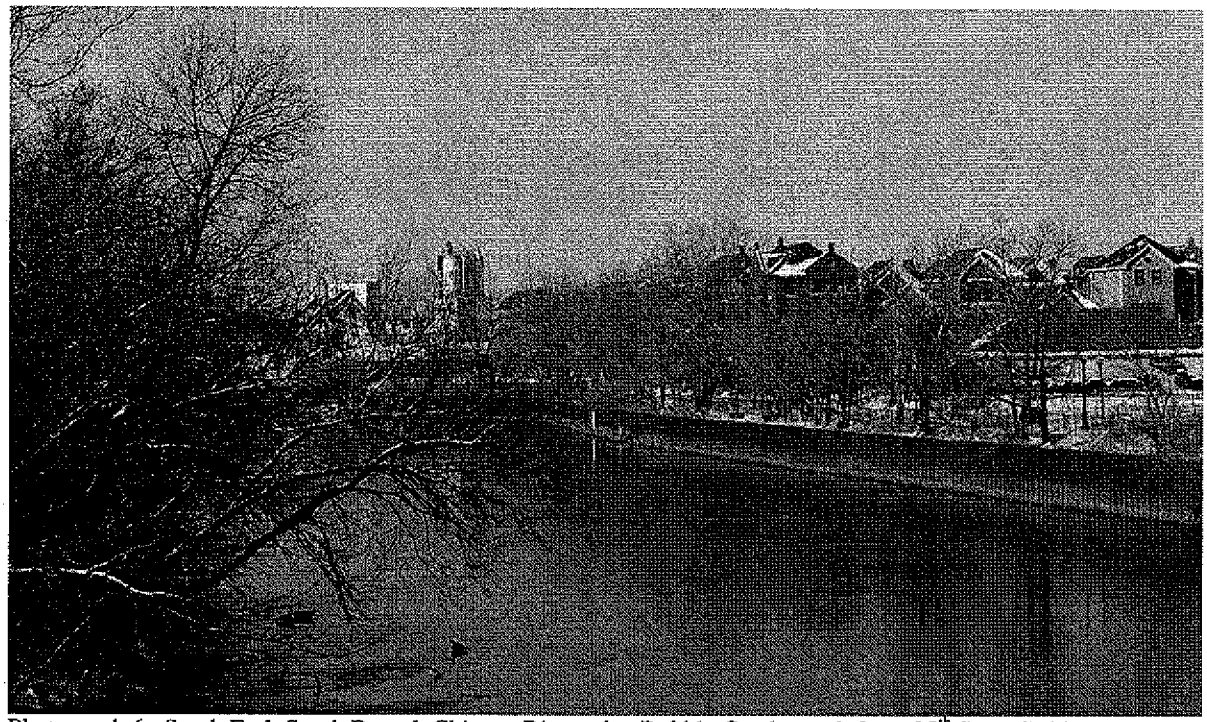
Today, there is very little in-stream habitat or canopy cover along the South Branch and urban industrial and commercial land uses predominate. Near Madison Street in downtown Chicago, the sediment is almost entirely made up of silt, with about one foot depth of fines. Downstream at Loomis Street, the side channels are mostly scoured bedrock with silt and sludge deposits in the center. Depth of fines range from 3-5 feet in these center sediments.



Photograph 5: Northeastern aerial view of the South Branch Chicago River. Loomis Street Bridge in the foreground.

South Fork South Branch Chicago River. (Photograph 6) This segment is 1.3 miles in length, varies from 100 to 200 feet in width, and from 3 to 13 feet in depth. Steep earthen or rip-rap banks predominate along the South Fork, with vertical sheet piling walls along several reaches. The South Fork is infamous for receiving offal waste from the Union Stock Yards beginning in the late 1800s. Gases generated by decaying waste from the slaughterhouse and rendering operations would bubble up to the surface, prompting the South Fork South Branch Chicago River to be nicknamed Bubbly Creek. The Stickney WRP was completed in 1942, so the waterways no longer functioned as open sewers. However, decomposition of organic matter in the sediment still results in bubbling gases escaping to the surface of Bubbly Creek. Stagnant flow conditions are common in Bubbly Creek unless there is discharge from the Racine Avenue Pumping Station (RAPS). Hazardous flow conditions can be present during and following significant rain events due to RAPS.

Urban industrial and commercial land uses are most common, although residential areas have been recently established along the northern reach of Bubbly Creek. Logs and brush debris jams are present as in-stream cover along much of the creek. The sediment is characterized mostly by sludge and silt deposits, with depth of fines down to 5 feet.



Photograph 6: South Fork South Branch Chicago River, aka. Bubbly Creek, north from 35th Street Bridge.

Chicago Sanitary and Ship Canal. (Photograph 7) This 31.1 mile long man-made channel has many different shapes and sizes. Its alignment is straight throughout its length, except for four bends, near Harlem Avenue, La Grange and Romeoville Roads, and in Lockport. Downstream of the LP&L, a reach of 1.1 miles, the depth is 10 feet and the width is 200 feet. Upstream of the LP&L, the depth varies from 20 to 27 feet. The reach immediately upstream of the LP&L, 2.4 miles in length, varies in width from 160 to 300 feet. The east bank of this reach is a vertical concrete wall. The west bank varies from vertical dock wall to a steep rockfill embankment. The next 14.6 miles of the CSSC have vertical concrete or rock walls 160 feet apart. The last 13.0 miles have a trapezoidal shape, 220 feet wide, with steep earth or rock side slopes. There are several areas with vertical dock walls in this last reach.

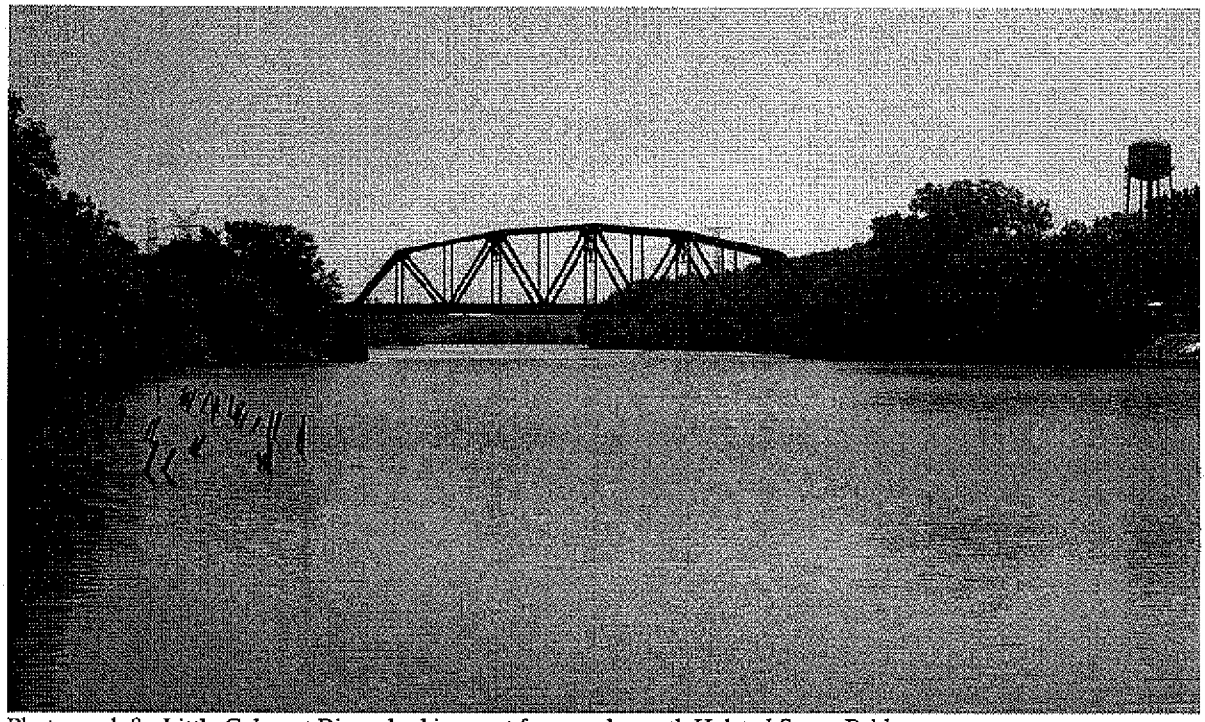
Excavation of the CSSC from the South Branch Chicago River to Lockport was completed in 1900. Its construction facilitated the reversal of the Chicago River such that Chicago's wastewater no longer flowed into Lake Michigan. Industrial and commercial land use dominates the riparian zone along most of the CSSC. There is little to no canopy cover and in-stream habitat for aquatic life is limited to snags and debris accumulated near bridge abutments. Silt and sludge comprises a majority of the sediment at Damen Avenue, with depth of fines ranging from <1-9 feet. At Cicero Avenue, deposited sediments are comprised of mostly silt and sludge, with <1-4 feet depth of fines. Sediment was slightly more variable at Harlem Avenue, where silt predominated, but there was also sand, gravel, cobble, and boulders near the bridge. The bedrock was exposed due to scouring near Route 83 and Stephen Street, with some scattered silt deposits. Areas of scouring, as well as pockets of deep silty sediments also occur near Lockport, although habitat improves slightly near the sunken barges on the west bank. Aquatic vegetation and snags are present in this shallow area with deep sand and silt deposits.

Photograph 7: Aerial view of the Chicago Sanitary and Ship Canal, upstream of Calumet-Sag junction, near McCook Reservoir (under construction).

Calumet River System

Little Calumet River. (Photograph 8) The LCR, 6.9 miles in length, has been deepened and widened from its original natural condition. There are several changes in alignment, with one full 180-degree bend west of Indiana Avenue. Its width varies from 250 to 350 feet and its depth is generally 12 feet in the center part of the channel. It has few vertical dock walls and most of the banks are earthen side slopes.

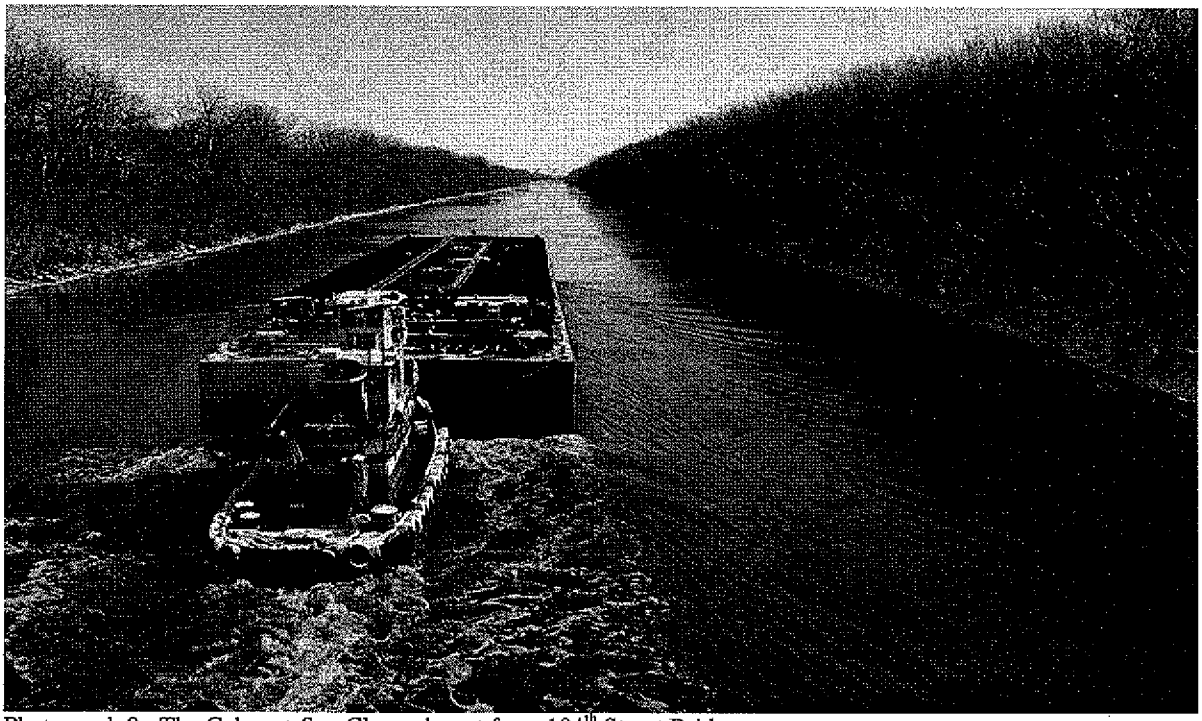
In-stream habitat for aquatic life is generally available along the LCR in the form of boulders, logs, brush debris jams, overhanging terrestrial vegetation, and aquatic vegetation in some reaches. Riparian land use along the LCR upstream of the Calumet WRP outfall, near Indiana Avenue, is generally urban industrial and commercial. The sediments in this reach are mostly characterized by sludge and silt deposits, but there are also gravel substrates in the center of the river. Depth of fines range from <1 to 7 feet. Downstream of the WRP, at Halsted Street, land use varies from urban commercial to forest and wetland. Sediments are relatively heterogeneous, although the substrate is sometimes scoured in the center, with exposed bedrock. Thus, depth of fines range from 0 to approximately 3 feet in these areas.



Photograph 8: Little Calumet River, looking east from underneath Halsted Street Bridge.

Calumet-Sag Channel. (Photograph 9) A man-made channel, completed in 1922 to reverse the flow of the Calumet River, the CSC is 16.2 miles long with a generally trapezoidal shape, 225 feet wide and approximately 10 feet deep. In some sections, the north bank is a vertical wall. The alignment is generally straight with three bends near Western, Crawford, and Ridgeland Avenues, and thus there is no riffle, run, or pool development. The channel was excavated through limestone and bedrock, so current conditions constitute mostly silt and sludge deposited on a hard consolidated substrate. Near its eastern terminus, sediments from Ashland Avenue are mostly silt with depth of fines from 1-2 feet. Logjams and boulders are found on the bank, and there is no aquatic vegetation other than attached green algae. In its mid-section, sediment at Cicero Avenue is mostly comprised of sludge and silt, with depths of fines ranging from 3-9 feet. There is an open canopy with logs and boulders on the side bank.

Upstream of Southwest Highway, land use is generally urban industrial, however, near its western terminus, shortly upstream of the confluence with the CSSC, land is leased to and managed by the Forest Preserve District of Cook County. Substrate at Route 83 is mostly comprised of silt and sludge, with a depth of fines of 1-7 feet. In this reach, some parts of the south bank have boulders and small rock ledge, while the north bank is vertical limestone wall.



Photograph 9: The Calumet-Sag Channel, east from 104th Street Bridge.

Use Classification

General Use Waters. This use classification has been designated by the Illinois Pollution Control Board (IPCB) for the 1.6 mile length of the Chicago River and the 4.0 mile reach of the NSC from the North Side WRP outfall to the WPS. The General Use standards are found at 35 Illinois Administrative Code (IAC) Section 202.200 and are established to protect aquatic life, wildlife, body-contact recreation (swimming), water supply, and Secondary Contact uses.

Secondary Contact Waters. All other portions of the CWS have been designated by the IPCB for this use classification. The Secondary Contact standards are found at 35 IAC Section 302.400 and are established to protect indigenous species, non-contact recreation (boating), and commercial navigation.

Facility Descriptions

Chicago River Controlling Works. The CRCW controls the flow of water between the lake and Chicago River. This facility was built by the District in 1938 and was maintained and operated by them until 1984. In this year, the maintenance and operation responsibilities were transferred to the USACE. It consists of walls separating the river and the lake, a navigation lock, two sets of sluice gates, and a pumping station. The lock is 80 feet wide by 600 feet long, with a normal lift of 2.0 feet in size. The two sets of underwater sluice gates consist of four gates each, each gate being 10- by 10-feet in size. The sluice gates allow gravity flow from Lake Michigan to the Chicago River when the lake level is higher than the Chicago River. The pumping station has three pumps of 30 cfs each. The pumps can only discharge from the river to the lake and were installed in 2000 for the purpose of returning excess leakage and lockage water to the lake. The pumps have yet to be used for this purpose.

Lockport Controlling Works. The LCW is owned and operated by the District. It is an auxiliary facility used during storm operations to discharge flood waters to the Des Plaines River. It is located two miles upstream of the LP&L and is used when discharge above the capacity of the LP&L is needed. It has seven sluice gates, each being 30 feet wide and 20 feet high. The gate sill is at elevation -15.0 feet, CCD.

Lockport Powerhouse and Lock. The powerhouse is owned and operated by the District. It was built in 1907 and is currently licensed for two hydroelectric generating units with a total capacity of 13,500 kilowatts, nine submerged sluice gates for the discharge of storm water and one surface sluice gate for flushing debris. The lock is owned and operated by the USACE and was built in 1933. It is 110 feet wide and 600 feet long with a normal lift of 37 feet.

Newly licensed generating units have a combined capacity of 5,000 cfs. Each submerged sluice gate is capable of a maximum discharge of 2,500 cfs. A fill or empty event for the lock during normal water levels causes a discharge of 2,000 cfs over a 20-minute period. During storm operations, the discharge capacity through the facility is increased to facilitate the drainage of stormwater. This lowers the upstream water level and increases water velocities in the channel.

O'Brien Lock and Dam. This facility was built in 1960 and is owned and operated by the USACE. The lock is 110 feet wide and 1,000 feet long with a normal lift of 2.0 feet. Flow regulation from Lake Michigan to the Calumet River is accomplished with four submerged sluice gates, each 10- by 10-feet in size. The gate opening for flow regulation is under the direction of the District and the actual operation is performed by the USACE.

Wilmette Pumping Station. The WPS is located beneath, and is integral with, the Sheridan Road Bridge and controls the flow of water between Lake Michigan and the NSC. It was built in 1910 and is owned and operated by the District. Lake water is brought into the channel for augmenting low flows for water quality maintenance. The station has four horizontal screw pumps rated at 250 cfs at a lift of 3.0 feet. The pump propellers are 9.0 feet in diameter and located in tunnels that run under the floor of the station from the Wilmette Harbor to the channel. Pumping is necessary when lake levels are low.

Adjacent to the south side of the pumping station is a concrete channel and sluice gate to allow for the passage of water by gravity when pumping is not necessary (when the lake level is higher than the level in the NSC). The channel is 30 feet wide and 11 feet deep. During storm operations, when the channel surcharges and the water level nears 5.0 feet, CCD, the sluice gate can be opened to relieve the channel to the lake.

Five temporary pumps with an aggregate capacity of 50 cfs were installed in 2000 due to non-operation of the large original pumps. In 2002, one of the original pumps was rehabilitated for use since the five temporary pumps have insufficient capacity for water quality maintenance.

Instream and Sidestream Elevated Pool Aeration Stations. Instream aeration stations are located on the North Shore Channel at Devon Avenue and on the North Branch Chicago River at Webster Avenue. The Devon and Webster Avenue stations have been in service since 1979 and 1980, respectively. These facilities are operated as needed by the District to maintain dissolved oxygen in the northern Chicago River System.

The sidestream elevated pool aeration (SEPA) stations are owned and operated by the District. There are three SEPA stations on the CSC, and one each on the Little Calumet and Calumet Rivers. Water from the channel is lifted 12- to 15-feet and allowed to drop over a series of weirs to create a waterfall and add oxygen to the waterway. SEPA stations have been operating since 1994 to help overcome dissolved oxygen sags in the Calumet River System. These stations are not operated in the winter months.

Operation Plan

Dry Weather Conditions. Dry weather conditions are typically characterized by flat water levels, below average flows from the WRPs, normal intake from the lake, and a flow of approximately 1,800 cfs through the LP&L. Normal dry weather discharge is released from the CWS through hydroelectric generating units and the navigation lock at the LP&L. The water level in the Chicago River at the CRCW and in the LCR at the OL&D is ideally maintained at -2.0 feet, CCD. Discretionary diversion is brought into the CWS at the CRCW, OL&D, and WPS per the planned schedule.

Wet Weather Conditions. When weather forecasts indicate that rainfall is likely to occur, the CWS is readied for wet weather operations. Discretionary diversion, if in progress, is curtailed and discharge at the LP&L is increased. This lowers the water level in the lower reaches of the CWS to provide storage for incoming storm flow and increases the hydraulic gradient to move more water through and out of the CWS. If no or very light rainfall occurs, the operations are returned to the dry weather mode. Light rainfall, less than 0.33 inches, normally causes little disruption in operations.

If rainfall is moderate, 0.33 to 0.67 inches, most CSOs are initially captured by the Tunnel and Reservoir Plan (TARP) and only reach the CWS through increased discharge from the WRPs. However, direct inflow of other storm runoff does occur under these conditions. Additional discharge at the LP&L is achieved by increasing the discharge through the LP&L's two generating units to their maximum capacity. Discharge necessary beyond the maximum discharge of the generating units (5,000 cfs) is put thorough sluice pit gates at the LP&L and, if necessary, the LCW. Water levels in the upper part of the CWS will rise due to storm inflow and increased WRP discharge. After the peak water level is reached, the water levels begin to subside. Discharge at the LP&L is gradually reduced by closing gates as the CWS returns to dry weather conditions. When -2.0 feet, CCD, is reached at the CRCW and/or OL&D, discretionary diversion is resumed, if appropriate.

If rainfall is heavy, 0.67 to 1.5 inches, TARP will fill and excess CSOs will be discharged to the CWS from pumping stations and CSO outfalls. Other storm runoff from tributary watersheds and storm sewers is significant and imposes an additional hydraulic load on the CWS. The operation of the CWS will be similar to the above description, with the exception that increased discharges at the LP&L are initiated more rapidly.

Excessive rainfall, 1.5 inches or greater, especially if preceded by antecedent rainfall, will likely cause extreme water levels in the upper part of the CWS. If water levels reach 3.5 feet, CCD, at the CRCW and the OL&D and are rising, it will be necessary to relieve the CWS by discharging excess flood water to Lake Michigan at those points. If the water level at WPS reaches 4.5 to 5.0 feet, CCD, it is necessary to relieve the CWS at the WPS. The decision to provide for such relief at each facility is made based on the potential for continued area rainfall and on the water level conditions at each facility.

Measurement of Discharge and Water Level

United States Geological Survey. The USGS maintains discharge measurement stations at several locations in the CWS and its tributaries. These are summarized in the following table. Water level is also available at these locations.

River	Location	Number
Chicago River	Columbus Drive	05536123
Chicago Sanitary & Ship Canal	Romeoville Road	05536995
Grand Calumet River (T)	Hohman Avenue	05536357 (Indiana)
Little Calumet River	O'Brien Lock & Dam	05536357
Little Calumet River (T)	Cottage Grove Avenue	05536290
Midlothian Creek (T)	Kilbourn Avenue	05536340
North Branch (T)	Albany Avenue	05536105
North Shore Channel	Maple Street	05536101
Tinley Creek (T)	135th Street	05536500

All locations in Illinois, except as indicated. Tributary streams are designated (T).

Metropolitan Water Reclamation District of Greater Chicago. The District maintains a network of rain gauges in the watershed and nine water level measurement stations on the CWS. See the CWS List for water level measurement locations.

Monitoring of Water Quality

Illinois Environmental Protection Agency. IEPA operates an Ambient Water Quality Monitoring (AWQM) Program throughout Illinois with over 200 monitoring locations. Two of these are located on the CWS, on the CSC at Route 83 and the CSSC at Lockport.

Metropolitan Water Reclamation District of Greater Chicago. The District also operates an AWQM Program and has 20 locations on the CWS. In addition, District performs monitoring for biological conditions, physical habitat, and sediment quality at all these locations. At some locations, the monitoring is performed annually and at other, once in four years. In addition, there are 30 locations in the CWS where dissolved oxygen and temperature are measured hourly with continuous in-situ monitors. See the CWS List.

United States Environmental Protection Agency. USEPA performs no regular monitoring, but has conducted surveys of sediment quality for some reaches of the CWS.

United States Army Corps of Engineers. USACE performs no regular monitoring, but has conducted surveys of sediment quality for some reaches of the CWS.

ACRYONYM LIST

AWQM	Ambient Water Quality Monitoring
CCD	Chicago City Datum
CFR	Code of Federal Regulations
cfs	Cubic feet per second
CRCW	Chicago River Controlling Works
CSC	Calumet-Sag Channel
CSO	Combined sewer overflow
CSSC	Chicago Sanitary and Ship Canal
CWS	Chicago Waterway System
District	Metropolitan Water Reclamation District of Greater Chicago
DWR	Illinois Department of Natural Resources, Division of Water Resources
IAC	Illinois Administrative Code
IEPA	Illinois Environmental Protection Agency
IPCB	Illinois Pollution Control Board
LCR	Little Calumet River
LCW	Lockport Controlling Works
LP&L	Lockport Powerhouse and Lock
MGD	Million Gallons per Day
NBC	North Branch Canal
NPDES	National Pollutant Discharge Elimination System
NSC	North Shore Channel
OL&D	O'Brien Lock and Dam
RAPS	Racine Avenue Pumping Station
SEPA	Sidestream Elevated Pool Aeration
TARP	Tunnel and Reservoir Plan
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
WPS	Wilmette Pumping Station
WRP	Water Reclamation Plant
WY	Water Year (October 1 through September 30)

CHICAGO WATERWAY SYSTEM
LISTING OF FACILITY INFLOW AND MONITORING LOCATIONS

Location	USGS River Mile	Distance U/S of Lockport	Comments
CHICAGO SANITARY & SHIP CANAL			
Des Plaines River Confluence	290.1	-1.1	
Lockport Powerhouse & Lock	291.1	0.0	Flow District WL, WQ, DO
Lockport Controlling Works	293.2	2.1	District WL
Will County Power Plant, Cooling Water	296.0	4.9	OU, IN
Romeoville Road	296.2	5.1	USGS DM
Citgo Petroleum Corporation	298.0	6.9	
Stephens Street	300.5	9.4	District WQ
Lemont Water Reclamation Plant	300.6	9.5	IN
Argonne Laboratory	302.3	11.2	USGS, DM, OU, IN
Illinois and Michigan Canal Connector Ditch	303.0	11.9	IN
Sag Junction	303.4	12.3	Confluence
Highway 83	304.1	13.0	District WQ, DO
Baltimore & Ohio Railroad	312.3	21.2	District DO
Summit-Lyons Conduit Inflow	313.3	22.2	IN
Harlem Avenue	314.0	22.9	District WQ
Stickney Water Reclamation Plant	315.5	24.4	IN
Cicero Avenue	317.3	26.2	District WQ, DO
Crawford Power Plant, Cooling Water	318.5	27.4	OU, IN
Western Avenue	320.6	29.5	District WL
SOUTH BRANCH			
Damen Avenue	321.1	30.0	
South Fork	321.7	30.6	Confluence
Loomis Street	321.9	30.8	District DO, WQ
Fisk Power Plant, Cooling Water	322.0	30.9	OU, IN
Jackson Boulevard	325.0	33.9	
Madison Street	325.3	34.2	District WQ
North Branch & Chicago River Junction	325.6	34.5	Confluence
SOUTH FORK			
Interstate Route 55	321.9	30.8	District DO, WQ
36th Street	322.5	31.4	District DO
Racine Avenue Pumping Station	322.8	31.7	CSO
NORTH BRANCH			
Kinzie Street	325.8	34.7	District DO
Grand Avenue	326.0	34.9	District WQ
Division Street	327.3	36.2	District
Webster Avenue Instream Aeration Station	238.9	37.8	SA
Fullerton Avenue	329.4	38.3	District DO
Diversey Parkway	330.1	39.0	District WQ
Addison Street	331.3	40.2	District DO
Wilson Avenue	332.6	41.5	District WQ
Lawrence Avenue	332.9	41.8	District WL
North Branch Pump Station	333.1	42.0	CSO
North Branch Dam	333.3	42.2	Tributary IN

CHICAGO WATERWAY SYSTEM
LISTING OF FACILITY INFLOW AND MONITORING LOCATIONS (Continued)

Location	USGS River Mile	Distance U/S of Lockport	Comments
NORTH SHORE CHANNEL			
Foster Avenue	333.5	42.4	District WQ, DO
Devon Avenue Instream Aeration Station	335.0	43.9	SA
Devon Avenue	335.0	43.9	District
Touhy Avenue	336.0	44.9	District WQ
North Side Water Reclamation Plant	336.9	45.8	IN
Oakton Street	337.0	45.9	District WQ
Main Street	337.5	46.4	District DO
Simpson Street	339.5	48.4	
Central Street	340.2	49.1	District WQ
Maple Avenue	340.6	49.5	USGS DM
Linden Street	340.8	49.7	
Sheridan Road (Wilmette Pumping Station)	341.0	49.9	District WL, IN
CHICAGO RIVER			
North and South Branch Junction	325.6	34.5	
Wells Street	325.8	34.7	District WQ
Clark Street	325.9	34.8	District DO
Michigan Avenue	326.4	35.3	
Columbus Drive	326.6	35.5	USGS DM, WL
Lake Shore Drive	326.9	35.8	District WQ
Chicago River Controlling Works	327.1	36.0	District WL
SOUTH FORK			
South Branch Junction	321.7	30.6	Confluence
Archer Avenue	322.1	31.0	District DO, WQ
Racine Avenue Pumping Station	323.0	31.9	CSO
CALUMET-SAG CHANNEL			
Sag Junction	303.4	12.3	Confluence
SEPA Station No. 5 at Junction	303.4	12.3	SA
Illinois and Michigan Canal	303.7	12.6	IN
Highway 83	304.3	13.2	District WQ, DO
104th Street	307.5	16.4	District DO
Crooked Creek	308.1	17.0	IN
Mill Creek	309.0	17.9	IN
Stony Creek (West)	309.4	18.3	IN
Southwest Highway	310.7	19.6	District WL
SEPA Station No. 4	311.7	20.6	SA
Harlem Avenue	311.7	20.6	
Navajo Creek	312.6	21.5	IN
Tinley Creek	314.1	23.0	IN
Cicero Avenue	315.0	23.9	District WQ, DO
Midlothian Creek	317.1	26.0	IN
Kedzie Avenue	317.1	26.0	
Stony Creek (East)	317.9	26.8	IN

CHICAGO WATERWAY SYSTEM
LISTING OF FACILITY INFLOW AND MONITORING LOCATIONS (Continued)

Location	USGS River Mile	Distance U/S of Lockport	Comments
SEPA Station No. 3	318.0	26.9	SA
Division Street	318.0	27.5	
Ashland Avenue	319.1	28.0	District WQ
Little Calumet River Junction	319.6	28.5	Tributary IN
Little Calumet River			
Halsted Street	320.1	29.0	District WQ, DO
SEPA Station No. 2	321.3	30.2	SA
Calumet Water Reclamation Plant	321.4	30.3	IN
125th Street Pump Station	321.4	30.3	CSO
Indiana Avenue	322.4	31.3	District WQ
C & WI Railroad	322.6	31.5	District WQ
Conrail Railroad	325.4	34.3	
Grand Calumet River	325.7	34.6	IN
O'Brien Lock and Dam	326.5	35.4	USGS DM District WL

WL=water level measurement.
WQ=water quality sampling location.
DM=discharge measurement location.
OU=outflow.
IN=inflow.
CSO=combined sewer overflow pumped inflow during storms.
DO=continuous dissolved oxygen monitoring location.
SA=supplemental aeration.
District=Metropolitan Water Reclamation District of Greater Chicago.
USGS=United States Geological Survey.

Attachment 5

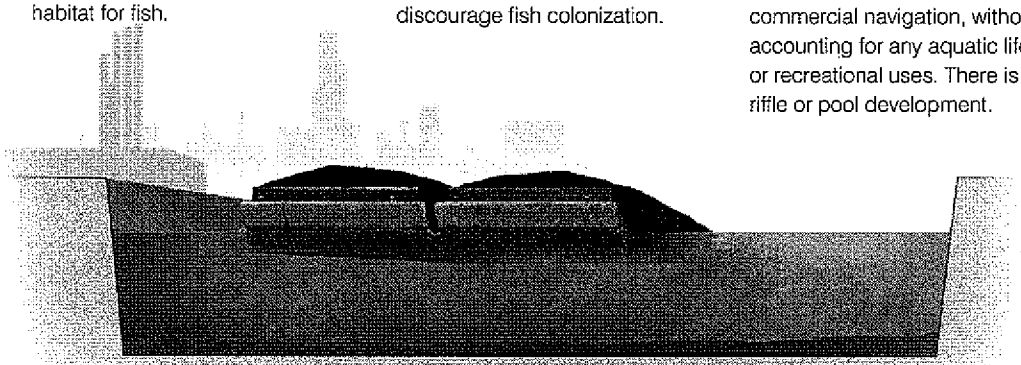
Comparison of the Chicago Area Waterway System (CAWS) and a Natural Riv

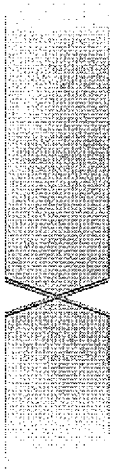
TYPICAL CHICAGO AREA WATERWAY

Deep Draft
The CAWS was constructed specifically to facilitate urban drainage and commercial barge traffic. The steep sides allow for maximum volume capacity and barge navigation, but provide little habitat for fish.

Lack of Shade
The CAWS receives little shade from trees relative to the overall channel widths, especially in areas of urban or industrial land-use. These conditions encourage algae growth and discourage fish colonization.

Channelized Waterways
Most of the CAWS was constructed or modified to be straight with little variation in width and depth. It was designed specifically for wastewater conveyance and commercial navigation, without accounting for any aquatic life or recreational uses. There is no riffle or pool development.





Controlled Flow
Hydrologic control structures (locks, dams, etc.) adjust water levels in the CAWS based on anticipated rain events to protect public health and prevent floodin of homes and businesses. Most of the time, flow in the CAWS is much slower than that of a natura river of comparable size. During rain events, however, rapid draw-down in water levels can lead to unsafe flow conditions.

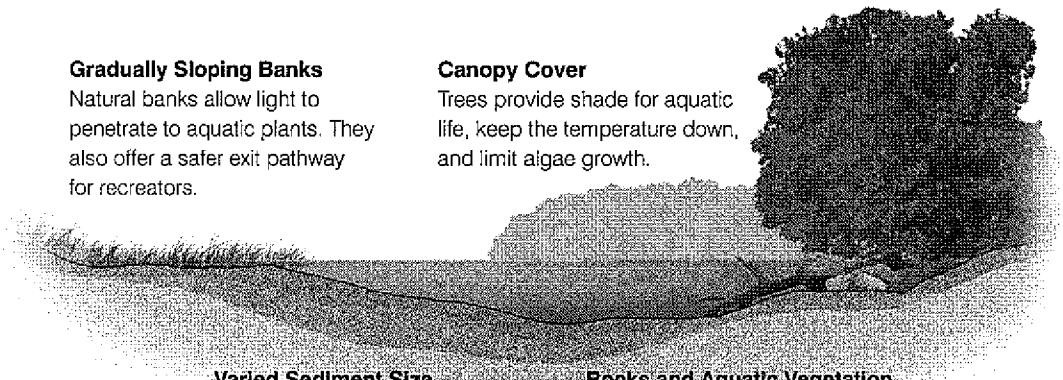
Impaired Sediments
Homogenous silty sediments dominate the CAWS. These fine-grain sediments are not conducive to healthy invertebrate or fish communities, and are generally more likely to be associated with organic and heavy metal contaminates.

Barge Traffic
Commercial barges are prevalent in much of the CAWS. In 2006, over 12 million tons of commercial goods were shipped up through Lockport Lock into the Chicago Sanitary and Ship Canal on barges.

TYPICAL NATURAL RIVER

Gradually Sloping Banks
Natural banks allow light to penetrate to aquatic plants. They also offer a safer exit pathway for recreators.

Canopy Cover
Trees provide shade for aquatic life, keep the temperature down, and limit algae growth.

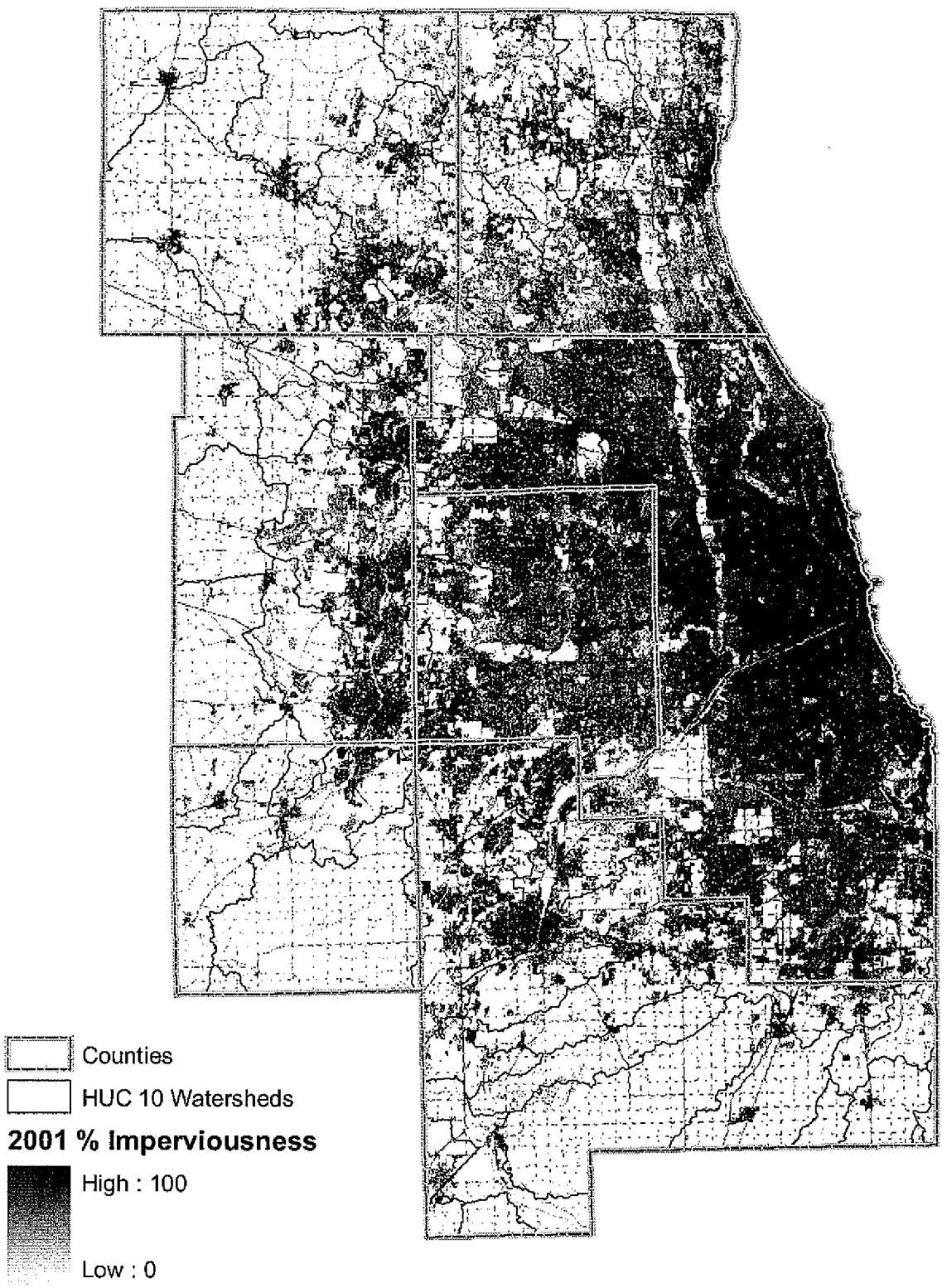


Sinuous Path
A natural river meanders around curves and has varying depths, widths, and flow velocities. This variety functions to support a diverse assemblage of fish and invertebrates. Riffles increase the amount of oxygen in the water.

Varied Sediment Size
Heterogeneous sediment particles are able to support a diverse variety of aquatic invertebrates. Coarse sediments are more stable and not usually associated with chemical contamination.

Rocks and Aquatic Vegetation
In-stream habitat provides shelter and spawning area for fish, along with substrate for aquatic insects.

Attachment 6



Imperviousness from 2001 National Land Cover Dataset

Attachment 7

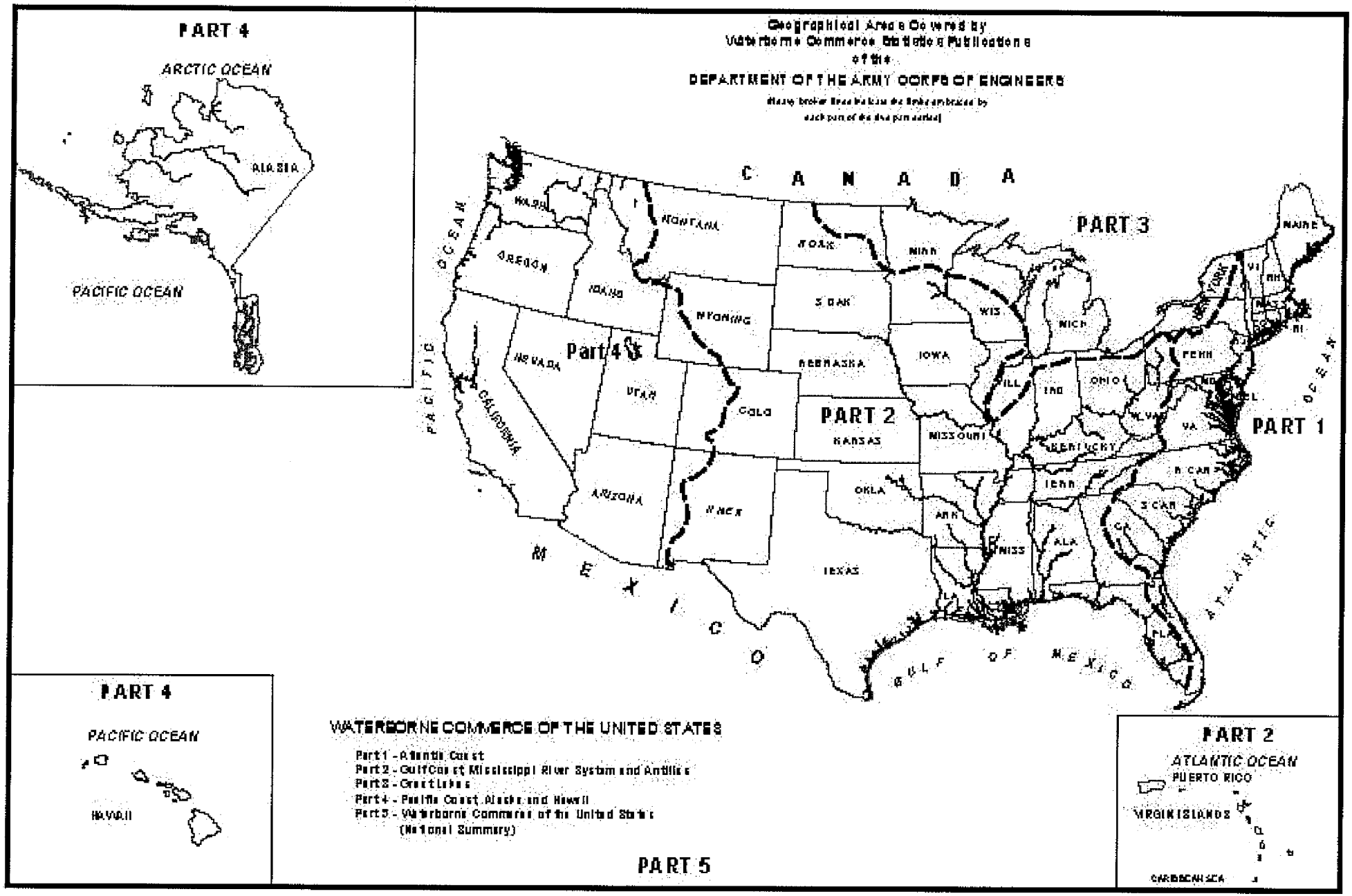
WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 2006

Part 3–
Waterways and Harbors
Great Lakes

Compiled under the supervision of
the Insitute for Water Resources
U.S. Army Corps of Engineers
Alexandria, Virginia

IWR-WCUS-06-3



WATERBORNE COMMERCE OF THE UNITED STATES

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

PART 5

CONTENTS

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.

Data on foreign commerce are supplied to the Corps of Engineers by the U.S. Bureau of the Census, the U.S. Customs and Border Protection, and purchased from the Commonwealth Business Media, Inc., Port Import Export Reporting Service.

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 purchased from the 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 calender year 2001. As of calender 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 calender 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
  - 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)

Major Grouping
Minor Grouping
Pub Group Pub Name

50 Primary Manufactured Goods
- 51 Paper Products
  - 5110 Newsprint
  - 5120 Paper & Paperboard
  - 5190 Paper Products NEC
- 52 Lime, Cement and Glass
  - 5210 Lime
  - 5220 Cement & Concrete
  - 5240 Glass & Glass Prod.
  - 5290 Misc. Mineral Prod.
- 53 Primary Iron and Steel Products
  - 5312 Pig Iron
  - 5315 Ferro Alloys
  - 5320 I&S Primary Forms
  - 5330 I&S Plates & Sheets
  - 5360 I&S Bars & Shapes
  - 5370 I&S Pipe & Tube
  - 5390 Primary I&S NEC
- 54 Primary Non-Ferrous Metal Products
  - 5421 Copper
  - 5422 Aluminum
  - 5429 Smelted Prod. NEC
  - 5480 Fab. Metal Products
- 55 Primary Wood Products; Veneer
  - 5540 Primary Wood Prod.

60 Food and Farm Products
- 61 Fish
  - 6134 Fish (Not Shellfish)
  - 6136 Shellfish
- 62-64 Grain
  - 6241 Wheat
  - 6344 Corn
  - 6442 Rice
  - 6443 Barley & Rye
  - 6445 Oats
  - 6447 Sorghum Grains
- 65 Oilseeds
  - 6521 Peanuts
  - 6522 Soybeans
  - 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
  - 6822 Dairy Products
  - 6835 Fish, Prepared
  - 6838 Tallow, Animal Oils
  - 6839 Animals & Prod. NEC
  - 6856 Bananas & Plantains
  - 6857 Fruit & Nuts NEC
  - 6858 Fruit Juices
  - 6861 Sugar
  - 6865 Molasses
  - 6871 Coffee
  - 6872 Cocoa Beans
  - 6885 Alcoholic Beverages
  - 6887 Groceries
  - 6888 Water & Ice
  - 6889 Food Products NEC
  - 6891 Tobacco & Products
  - 6893 Cotton
  - 6894 Natural Fibers NEC
  - 6899 Farm Products NEC

70 All Manufactured Equipment, Machinery and Products
- 7110 Machinery (Not Elec)
- 7120 Electrical Machinery
- 7210 Vehicles & Parts
- 7220 Aircraft & Parts
- 7230 Ships & Boats
- 7300 Ordnance & Access.
- 7400 Manufac. Wood Prod.
- 7500 Textile Products
- 7600 Rubber & Plastic Pr.
- 7800 Empty Containers
- 7900 Manufac. Prod. NEC

80 Waste and Scrap NEC
- 8900 Waste and Scrap NEC

90 Unknown or Not Elsewhere Classified
- 99 Unknown or Not Elsewhere Clsfd
  - 9900 Unknown or NEC

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	Through	In/Out	Through	In/Out	Through	In/Out	Through	In/Out
DETROIT RIVER, MI	2,042,653	15,253	139,957	63,192	911,710	—	—	245,231	664,697	2,311	301	—
*LAKE ERIE	13,286,507	542,782	1,379,488	3,786,251	4,493,121	3,034	—	2,673,583	407,179	1,070	—	—
LAKE HURON	24,785,079	1,926	1,232,665	750,752	7,434,967	—	—	4,458,872	10,898,266	—	7,630	—
**LAKE MICHIGAN	22,640,470	1,096,713	—	4,163,955	—	—	—	14,674,954	2,592,753	17,909	—	94,186
***LAKE ONTARIO	7,846,448	953	2,895,015	60,143	4,882,583	—	4,245	3,509	—	—	—	—
LAKE SUPERIOR	26,462,606	840,190	—	5,145,927	470,347	—	—	20,005,890	251	1	—	—
ST. CLAIR RIVER, MI	2,799,893	—	176,075	7,198	1,205,966	—	—	170,138	1,239,479	—	1,037	—
****ST. LAWRENCE RIVER	2,102,960	—	827,712	30,046	1,243,990	—	1,211	—	—	—	—	—
ST. MARYS RIVER, MI	4,874,234	—	139,986	6,419	1,203,195	—	—	32,692	3,491,943	—	—	—
WELLAND CANAL, CANADA	720,960	—	200,939	—	519,233	—	295	—	493	—	—	—
NET UNITED STATES TRAFFIC ON THE GREAT LAKES	107,561,810	9,489,655		36,378,996		8,785		61,559,929		14,808		109,637

*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						
		Overseas		Canadian		Coastwise		Lakewise		Internal		Intraport
		In/Out	Through	In/Out	Through	In/Out	Through	In/Out	Through	In/Out	Through	In/Out
DETROIT RIVER, MI	72,729	730	4,515	3,648	29,410	—	—	12,770	21,442	205	10	—
*LAKE ERIE	80,366	2,197	5,245	22,979	19,082	11	—	23,194	4,312	10	—	3,337
LAKE HURON	111,339	6	4,508	3,196	29,589	—	—	18,861	55,153	—	27	—
**LAKE MICHIGAN	64,411	2,321	—	9,465	—	—	—	35,226	8,608	2,950	—	5,840
***LAKE ONTARIO	27,475	15	7,442	764	19,225	—	11	18	0	—	—	—
LAKE SUPERIOR	77,473	2,187	—	14,586	2,658	—	—	57,975	13	1	—	53
ST. CLAIR RIVER, MI	77,481	—	4,515	629	30,922	—	—	9,607	31,782	—	27	—
****ST. LAWRENCE RIVER	18,755	—	7,457	157	11,130	—	11	—	—	—	—	—
ST. MARYS RIVER, MI	81,299	—	2,187	298	23,252	—	—	1,000	54,562	—	—	—
WELLAND CANAL, CANADA	26,684	—	7,442	—	19,212	—	11	—	18	—	—	—
NET UNITED STATES TRAFFIC ON THE GREAT LAKES	173,013	7,457		56,215		11		96,934		2,673		9,723

*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
1997	188,579	2000	187,489	2003	156,484	**2006**	**173,013**
1998	192,235	2001	171,359	2004	178,434		
1999	182,862	2002	167,226	2005	169,411		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign				Domestic			
		Inbound		Outbound		Coastwise	Lakewise	Internal	Intraport
		Canadian**	Overseas*	Canadian	Overseas				
Total, all commodities	**173,013**	**22,519**	**3,605**	**33,696**	**3,852**	**11**	**96,934**	**2,673**	**9,723**
Total coal	**44,896**	**1,280**	**135**	**18,612**	**41**	**—**	**21,200**	**805**	**2,823**
1100 coal & lignite	42,824	783	—	18,266	—	—	20,839	115	2,822
1200 coal coke	2,073	497	135	346	41	—	361	691	2
Total petroleum and petroleum products	**5,067**	**676**	**0**	**1,692**	**59**	**11**	**1,469**	**320**	**841**
Subtotal crude petroleum	**115**	**—**	**—**	**115**	**—**	**—**	**—**	**—**	**—**
2100 crude petroleum	115	—	—	115	—	—	—	—	—
Subtotal petroleum products	**4,952**	**676**	**0**	**1,577**	**59**	**11**	**1,469**	**320**	**841**
2211 gasoline	537	—	—	215	6	11	291	11	3
2221 kerosene	32	—	—	32	—	—	—	—	—
2330 distillate fuel oil	783	221	0	132	—	—	125	63	242
2340 residual fuel oil	530	294	—	29	—	—	114	52	41
2350 lube oil & greases	4	—	—	4	—	—	—	—	—
2429 naphtha & solvents	33	—	—	—	—	—	8	7	19
2430 asphalt, tar & pitch	1,031	4	—	54	—	—	764	169	39
2540 petroleum coke	1,988	156	—	1,110	53	—	165	13	490
2640 hydrocarbon & petrol gases, liquefied and gaseous	1	—	—	—	—	—	1	0	0
2990 petro. products nec	13	—	—	—	—	—	1	4	7
Total chemicals and related products	**990**	**277**	**38**	**334**	**—**	**—**	**139**	**55**	**146**
Subtotal fertilizers	**270**	**215**	**6**	**—**	**—**	**—**	**—**	**49**	**—**
3110 nitrogenous fert.	47	—	6	—	—	—	—	42	—
3120 phosphatic fert.	5	—	—	—	—	—	—	5	—
3130 potassic fert.	216	215	—	—	—	—	—	1	—
3190 fert. & mixes nec	2	—	—	—	—	—	—	2	—
Subtotal other chemicals and related products	**720**	**63**	**32**	**334**	**—**	**—**	**139**	**6**	**146**
3211 acyclic hydrocarbons	12	—	—	12	—	—	0	—	—
3212 benzene & toluene	78	—	—	78	—	—	—	—	—
3219 other hydrocarbons	37	—	9	—	—	—	—	—	28
3220 alcohols	21	—	—	—	—	—	0	6	15
3250 organo - inorg. comp.	0	—	—	0	—	—	—	—	—
3260 organic comp. nec	6	—	—	6	—	—	—	—	—
3274 sodium hydroxide	16	—	—	16	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	128	63	0	65	—	—	—	—	—
3276 metallic salts	421	—	23	155	—	—	139	—	103
3282 pigments & paints	0	—	—	0	—	—	—	—	—
3285 perfumes & cleansers	0	—	—	0	—	—	—	—	—
3286 plastics	0	—	—	0	—	—	—	—	—
3299 chem. products nec	0	—	—	0	—	—	—	—	—
Total crude materials, inedible except fuels	**105,111**	**16,814**	**433**	**11,355**	**464**	**—**	**69,381**	**979**	**5,684**
Subtotal forest products, wood and chips	**171**	**96**	**41**	**33**	**—**	**—**	**0**	**—**	**0**
4170 wood in the rough	53	18	1	33	—	—	0	—	0
4189 lumber	118	78	40	—	—	—	0	—	—
4190 forest products nec	0	—	—	0	—	—	—	—	—
Subtotal pulp and waste paper	**122**	**—**	**122**	**—**	**—**	**—**	**—**	**—**	**—**
4225 pulp & waste paper	122	—	122	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**37,157**	**5,459**	**—**	**4,074**	**43**	**—**	**25,029**	**278**	**2,274**
4310 building stone	41	—	—	41	—	—	—	—	—
4322 limestone	30,908	3,854	—	3,221	—	—	23,812	—	21
4323 gypsum	927	8	—	119	—	—	521	278	—
4331 sand & gravel	5,192	1,597	—	693	43	—	643	0	2,215
4335 waterway improv. mat	90	—	—	—	—	—	53	—	37
4338 soil & fill dirt	0	—	—	—	—	—	—	0	0
Subtotal iron ore and scrap	**58,848**	**5,770**	**—**	**6,438**	**230**	**—**	**42,895**	**227**	**3,288**
4410 iron ore	58,573	5,653	—	6,429	230	—	42,830	177	3,254
4420 iron & steel scrap	275	117	—	9	—	—	65	50	34
Subtotal non-ferrous ores and scrap	**616**	**208**	**249**	**132**	**21**	**—**	**—**	**6**	**—**
4650 aluminum ore	204	118	84	—	—	—	—	2	—
4670 manganese ore	10	5	—	—	—	—	—	5	—
4680 non-ferrous scrap	248	83	165	—	—	—	—	—	—
4690 non-ferrous ores nec	154	1	—	132	21	—	—	—	—
Subtotal sulphur, clay and salt	**419**	**141**	**13**	**25**	**170**	**—**	**9**	**59**	**—**
4782 clay & refrac. mat.	419	141	13	25	170	—	9	59	—
Subtotal slag	**2,181**	**1,052**	**—**	**184**	**—**	**—**	**537**	**407**	**2**
4860 slag	2,181	1,052	—	184	—	—	537	407	2
Subtotal other non-metal. min.	**5,597**	**4,088**	**7**	**469**	**—**	**—**	**910**	**1**	**122**
4900 non-metal. min. nec	5,597	4,088	7	469	—	—	910	1	122

TABLE 3 - NET SUMMARY OF FOREIGN AND DOMESTIC FREIGHT CARRIED ON THE GREAT LAKES
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Foreign				Domestic			
		Inbound		Outbound		Coastwise	Lakewise	Internal	Intraport
		Canadian*	Overseas**	Canadian	Overseas				
Total primary manufactured goods	**11,188**	**3,323**	**2,840**	**123**	**5**	**—**	**4,253**	**430**	**214**
Subtotal paper products	**1**	**—**	**1**	**0**	**—**	**—**	**—**	**—**	**—**
5120 paper & paperboard	1	—	1	—	—	—	—	—	—
5190 paper products nec	0	—	—	0	—	—	—	—	—
Subtotal lime, cement and glass	**7,223**	**3,018**	**0**	**122**	**—**	**—**	**4,028**	**6**	**49**
5210 lime	54	—	—	—	—	—	54	—	—
5220 cement & concrete	7,151	3,002	—	122	—	—	3,974	5	49
5240 glass & glass prod.	0	—	—	0	—	—	—	—	—
5290 misc. mineral prod.	18	17	0	0	—	—	0	2	—
Subtotal primary iron and steel products	**3,687**	**218**	**2,671**	**0**	**—**	**—**	**224**	**413**	**160**
5312 pig iron	483	173	79	—	—	—	116	112	3
5320 i&s primary forms	1,395	34	1,355	—	—	—	—	4	1
5330 i&s plates & sheets	1,336	5	986	—	—	—	0	244	101
5360 i&s bars & shapes	200	—	189	0	—	—	0	9	2
5370 i&s pipe & tube	57	—	57	0	—	—	0	—	—
5390 primary i&s nec	216	5	6	—	—	—	108	44	54
Subtotal primary non-ferrous metal products	**277**	**87**	**168**	**1**	**5**	**—**	**1**	**11**	**5**
5422 aluminum	70	69	0	1	—	—	0	—	—
5429 smelted prod. nec	3	—	2	—	—	—	—	0	—
5480 fab. metal products	205	18	166	0	5	—	1	10	5
Total food and farm products	**5,498**	**149**	**88**	**1,562**	**3,274**	**—**	**344**	**81**	**—**
Subtotal fish	**0**	**—**	**—**	**—**	**—**	**—**	**0**	**—**	**—**
6134 fish (not shellfish)	0	—	—	—	—	—	0	—	—
Subtotal grain	**3,871**	**149**	**15**	**933**	**2,405**	**—**	**342**	**26**	**—**
6241 wheat	1,636	50	15	153	1,333	—	81	3	—
6344 corn	1,875	—	—	780	1,072	—	—	23	—
6445 oats	360	99	—	—	—	—	261	—	—
Subtotal oilseeds	**1,231**	**—**	**—**	**594**	**594**	**—**	**2**	**42**	**—**
6522 soybeans	1,161	—	—	594	553	—	2	12	—
6534 flaxseed	41	—	—	—	41	—	—	—	—
6590 oilseeds nec	29	—	—	—	—	—	—	29	—
Subtotal vegetable products	**83**	**—**	**—**	**—**	**83**	**—**	**—**	**—**	**—**
6654 vegetables & prod.	83	—	—	—	83	—	—	—	—
Subtotal processed grain and animal feed	**42**	**—**	**—**	**30**	**12**	**—**	**—**	**—**	**—**
6747 grain mill products	42	—	—	30	12	—	—	—	—
Subtotal other agricultural products	**271**	**—**	**73**	**4**	**180**	**—**	**—**	**14**	**—**
6822 dairy products	0	—	—	0	—	—	—	—	—
6835 fish, prepared	0	—	—	0	—	—	—	—	—
6861 sugar	95	—	73	—	9	—	—	14	—
6865 molasses	2	—	—	2	—	—	—	—	—
6885 alcoholic beverages	3	—	—	3	—	—	—	—	—
6889 food products nec	0	—	—	0	—	—	—	—	—
6899 farm products nec	172	—	—	—	172	—	—	—	—
Total all manufactured equipment, machinery and products	**203**	**1**	**33**	**19**	**9**	**—**	**126**	**3**	**14**
7110 machinery (not elec)	78	1	29	7	8	—	17	2	14
7120 electrical machinery	9	0	0	8	0	—	—	0	—
7210 vehicles & parts	1	—	1	0	—	—	0	—	—
7230 ships & boats	3	—	0	2	—	—	0	—	—
7400 manufac. wood prod.	0	—	—	0	—	—	—	0	0
7500 textile products	1	—	—	0	—	—	1	—	—
7600 rubber & plastic pr.	0	—	0	0	—	—	—	—	—
7900 manufac. prod. nec	111	0	3	1	—	—	107	—	0
Total unknown or not elsewhere classified	**60**	**—**	**38**	**0**	**—**	**—**	**22**	**—**	**—**
9900 unknown or nec	60	—	38	0	—	—	22	—	—

Tons All Traffic (x1000) 173,013
Total Trip-ton-miles Internal and Intraport (x1000) 3,023,994

*** Includes 13,436 tons of foreign inbound in-transits.**
**** Includes through traffic.**

Section 1
Freight Traffic

WAUKEGAN HARBOR, IL

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	473	2000	740	2003	641	**2006**	**606**
1998	555	2001	518	2004	571		
1999	560	2002	552	2005	643		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Domestic		
		Lakewise		Internal
		Receipts	Shipments	Intraport
Total, all commodities	**606**	**595**	**10**	**1**
Total crude materials, inedible except fuels	**265**	**262**	**2**	**1**
Subtotal soil, sand, gravel, rock and stone	**265**	**262**	**2**	**1**
4323 gypsum	261	261	—	—
4335 waterway improv. mat	4	1	2	1
Total primary manufactured goods	**341**	**333**	**8**	**—**
Subtotal lime, cement and glass	**341**	**333**	**8**	**—**
5220 cement & concrete	341	333	8	—

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
1997	733	2000	1,178	2003	1,828	**2006**	**1,754**
1998	935	2001	1,413	2004	1,730		
1999	949	2002	1,269	2005	1,662		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**1,754**	**1,369**	**260**	**97**	**29**
Total petroleum and petroleum products	**38**	**—**	**—**	**20**	**18**
Subtotal petroleum products	**38**	**—**	**—**	**20**	**18**
2330 distillate fuel oil	12	—	—	5	7
2540 petroleum coke	26	—	—	15	11
Total chemicals and related products	**77**	**1**	**—**	**76**	**—**
Subtotal fertilizers	**1**	**1**	**—**	**—**	**—**
3110 nitrogenous fert.	1	1	—	—	—
Subtotal other chemicals and related products	**76**	**—**	**—**	**76**	**—**
3276 metallic salts	76	—	—	76	—
Total crude materials, inedible except fuels	**1,613**	**1,354**	**249**	**2**	**8**
Subtotal soil, sand, gravel, rock and stone	**1,251**	**1,251**	**—**	**—**	**—**
4322 limestone	6	6	—	—	—
4331 sand & gravel	1,244	1,244	—	—	—
Subtotal iron ore and scrap	**251**	**—**	**246**	**—**	**5**
4420 iron & steel scrap	251	—	246	—	5
Subtotal slag	**4**	**—**	**3**	**2**	**—**
4860 slag	4	—	3	2	—
Subtotal other non-metal. min.	**107**	**104**	**—**	**—**	**3**
4900 non-metal. min. nec	107	104	—	—	3
Total primary manufactured goods	**26**	**13**	**10**	**—**	**3**
Subtotal lime, cement and glass	**21**	**11**	**10**	**—**	**—**
5220 cement & concrete	21	11	10	—	—
Subtotal primary iron and steel products	**4**	**2**	**—**	**—**	**3**
5315 ferro alloys	3	2	—	—	2
5330 i&s plates & sheets	1	—	—	—	1
Ton-miles (x1000)	**947**	**702**	**245**	**0**	**0**

Tons All Traffic (x1000)	**1,754**
Ton-miles All Traffic (x1000)	**947**
Total Trip-ton-miles Internal and Intraport (x1000)	**445,735**

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
1997	1,247	2000	1,598	2003	3,946	**2006**	**4,116**
1998	1,500	2001	2,286	2004	3,616		
1999	1,680	2002	2,197	2005	3,515		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound Upbound	Outbound Downbnd	Through Upbound	Through Downbnd
Total, all commodities	**4,116**	**2,184**	**177**	**1,397**	**357**
Total coal	**994**	**994**	—	—	—
1100 coal & lignite	994	994	—	—	—
Total petroleum and petroleum products	**38**	—	—	**18**	**20**
Subtotal petroleum products	**38**	—	—	**18**	**20**
2330 distillate fuel oil	12	—	—	7	5
2540 petroleum coke	26	—	—	11	15
Total chemicals and related products	**77**	—	—	**1**	**76**
Subtotal fertilizers	**1**	—	—	**1**	—
3110 nitrogenous fert.	1	—	—	1	—
Subtotal other chemicals and related products	**76**	—	—	—	**76**
3276 metallic salts	76	—	—	—	76
Total crude materials, inedible except fuels	**2,732**	**943**	**176**	**1,362**	**251**
Subtotal soil, sand, gravel, rock and stone	**2,190**	**940**	—	**1,251**	—
4322 limestone	6	—	—	6	—
4331 sand & gravel	2,184	940	—	1,244	—
Subtotal iron ore and scrap	**427**	—	**176**	**5**	**246**
4420 iron & steel scrap	427	—	176	5	246
Subtotal slag	**6**	**2**	—	—	**4**
4860 slag	6	2	—	—	4
Subtotal other non-metal. min.	**108**	**1**	—	**107**	—
4900 non-metal. min. nec	108	1	—	107	—
Total primary manufactured goods	**275**	**247**	**2**	**15**	**10**
Subtotal lime, cement and glass	**269**	**247**	—	**11**	**10**
5220 cement & concrete	269	247	—	11	10
Subtotal primary iron and steel products	**6**	—	**2**	**4**	—
5315 ferro alloys	3	—	—	3	—
5330 i&s plates & sheets	1	—	—	1	—
5390 primary i&s nec	2	—	2	—	—
Ton-miles (x1000)	**11,971**	**3,202**	**0**	**6,986**	**1,783**

Tons All Traffic (x1000)	**4,116**
Ton-miles All Traffic (x1000)	**11,971**
Total Trip-ton-miles Internal and Intraport (x1000)	**1,009,298**

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
1997	1,845	2000	1,924	2003	963	**2006**	**1,804**
1998	2,354	2001	1,153	2004	1,366		
1999	1,986	2002	1,078	2005	1,692		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic				
		Inbound	Inbound	Outbound	Total	Lakewise Receipts	Lakewise Shipments	Internal Inbound Upbound	Internal Outbound Downbnd
Total, all commodities	**1,804**	**12**	**70**	**66**	**1,657**	**516**	**34**	**1,014**	**92**
Total petroleum and petroleum products	**66**	—	—	**33**	**33**	**6**	**7**	**21**	—
Subtotal petroleum products	**66**	—	—	**33**	**33**	**6**	**7**	**21**	—
2330 distillate fuel oil	32	—	—	—	32	6	7	20	—
2429 naphtha & solvents	1	—	—	—	1	—	—	1	—
2540 petroleum coke	33	—	—	33	—	—	—	—	—

LAKE CALUMET, IL (INCLUDED IN PORT OF CHICAGO)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic				
		Inbound	Inbound	Outbound	Total	Lakewise		Internal	
						Receipts	Shipments	Inbound	Outbound
								Upbound	Downbnd
Total chemicals and related products	**32**	—	—	—	**32**	—	—	**7**	**25**
Subtotal other chemicals and related products	**32**	—	—	—	**32**	—	—	7	**25**
3219 other hydrocarbons	3	—	—	—	3	—	—	3	—
3220 alcohols	29	—	—	—	29	—	—	4	25
Total crude materials, inedible except fuels	**104**	—	**33**	—	**72**	**3**	—	**42**	**27**
Subtotal soil, sand, gravel, rock and stone	**49**	—	**33**	—	**17**	—	—	**17**	—
4331 sand & gravel	44	—	33	—	11	—	—	11	—
4335 waterway improv. mat	5	—	—	—	5	—	—	5	—
Subtotal iron ore and scrap	**54**	—	—	—	**54**	**3**	—	**25**	**27**
4410 iron ore	24	—	—	—	24	—	—	24	—
4420 iron & steel scrap	31	—	—	—	31	3	—	1	27
Subtotal sulphur, clay and salt	**1**	—	—	—	**1**	—	—	**1**	—
4782 clay & refrac. mat.	1	—	—	—	1	—	—	1	—
Total primary manufactured goods	**1,506**	**12**	**38**	—	**1,457**	**508**	**27**	**883**	**39**
Subtotal lime, cement and glass	**435**	—	—	—	**435**	**402**	—	**15**	**18**
5220 cement & concrete	435	—	—	—	435	402	—	15	18
Subtotal primary iron and steel products	**1,051**	**12**	**38**	—	**1,001**	**106**	**27**	**847**	**20**
5312 pig iron	455	—	—	—	455	—	27	427	—
5315 ferro alloys	2	—	—	—	2	—	—	2	—
5320 i&s primary forms	63	5	33	—	25	—	—	25	—
5330 i&s plates & sheets	213	—	5	—	208	—	—	208	—
5360 i&s bars & shapes	70	7	—	—	63	—	—	63	—
5390 primary i&s nec	249	—	—	—	249	106	—	123	20
Subtotal primary non-ferrous metal products	**20**	—	—	—	**20**	—	—	**20**	—
5422 aluminum	2	—	—	—	2	—	—	2	—
5429 smelted prod. nec	1	—	—	—	1	—	—	1	—
5480 fab. metal products	18	—	—	—	18	—	—	18	—
Total food and farm products	**92**	—	—	**30**	**62**	—	—	**62**	—
Subtotal oilseeds	**30**	—	—	**30**	—	—	—	—	—
6522 soybeans	30	—	—	30	—	—	—	—	—
Subtotal vegetable products	**21**	—	—	—	**21**	—	—	**21**	—
6653 vegetable oils	21	—	—	—	21	—	—	21	—
Subtotal other agricultural products	**40**	—	—	—	**40**	—	—	**40**	—
6861 sugar	40	—	—	—	40	—	—	40	—
Total all manufactured equipment, machinery and products	**3**	—	—	**2**	**1**	—	—	—	**1**
7110 machinery (not elec)	1	—	—	—	1	—	—	—	1
7230 ships & boats	2	—	—	2	—	—	—	—	—
Ton-miles (x1000)	**1,443**	**0**	**29**	**63**	**1,351**	**514**	**7**	**741**	**90**

Tons All Traffic (x1000) **1,804**
Ton-miles All Traffic (x1000) **1,443**
Total Trip-ton-miles Internal and Intraport (x1000) **1,394,918**

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
1997	16,552	2000	13,925	2003	11,213	**2006**	**14,596**
1998	16,703	2001	11,481	2004	15,396		
1999	15,895	2002	11,034	2005	14,770		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign			Canadian			
		Inbound	Outbound	Through Downbnd	Inbound	Outbound	Through Upbound	Through Downbnd
Total, all commodities	**3,165**	**348**	**125**	**12**	**1,118**	**1,427**	**66**	**70**
Total coal	**318**	—	—	—	—	**318**	—	—
1100 coal & lignite	176	—	—	—	—	176	—	—
1200 coal coke	142	—	—	—	—	142	—	—
Total petroleum and petroleum products	**877**	—	**34**	—	**15**	**795**	**33**	—
Subtotal petroleum products	**877**	—	**34**	—	**15**	**795**	**33**	—
2330 distillate fuel oil	20	—	—	—	12	8	—	—
2340 residual fuel oil	4	—	—	—	—	4	—	—
2350 lube oil & greases	4	—	—	—	—	4	—	—

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign			Canadian			
		Inbound	Outbound	Through Downbnd	Inbound	Outbound	Through Upbound	Through Downbnd
2430 asphalt, tar & pitch	15	—	—	—	—	15	—	—
2540 petroleum coke	833	—	34	—	3	763	33	—
Total chemicals and related products	**9**	**9**	**—**	**—**	**—**	**—**	**—**	**—**
Subtotal other chemicals and related products	**9**	**9**	**—**	**—**	**—**	**—**	**—**	**—**
3219 other hydrocarbons	9	9	—	—	—	—	—	—
Total crude materials, inedible except fuels	**1,190**	**—**	**—**	**—**	**1,098**	**60**	**—**	**33**
Subtotal soil, sand, gravel, rock and stone	**244**	**—**	**—**	**—**	**151**	**60**	**—**	**33**
4322 limestone	126	—	—	—	126	—	—	—
4331 sand & gravel	118	—	—	—	26	60	—	33
Subtotal iron ore and scrap	**127**	**—**	**—**	**—**	**127**	**—**	**—**	**—**
4410 iron ore	127	—	—	—	127	—	—	—
Subtotal non-ferrous ores and scrap	**30**	**—**	**—**	**—**	**30**	**—**	**—**	**—**
4650 aluminum ore	30	—	—	—	30	—	—	—
Subtotal sulphur, clay and salt	**65**	**—**	**—**	**—**	**65**	**—**	**—**	**—**
4782 clay & refrac. mat.	65	—	—	—	65	—	—	—
Subtotal slag	**31**	**—**	**—**	**—**	**31**	**—**	**—**	**—**
4860 slag	31	—	—	—	31	—	—	—
Subtotal other non-metal. min.	**693**	**—**	**—**	**—**	**693**	**—**	**—**	**—**
4900 non-metal. min. nec	693	—	—	—	693	—	—	—
Total primary manufactured goods	**392**	**337**	**—**	**12**	**5**	**—**	**—**	**38**
Subtotal primary iron and steel products	**389**	**334**	**—**	**12**	**5**	**—**	**—**	**38**
5320 i&s primary forms	149	111	—	5	—	—	—	33
5330 i&s plates & sheets	203	198	—	—	—	—	—	5
5360 i&s bars & shapes	14	8	—	7	—	—	—	—
5370 i&s pipe & tube	16	16	—	—	—	—	—	—
5390 primary i&s nec	6	1	—	—	5	—	—	—
Subtotal primary non-ferrous metal products	**3**	**3**	**—**	**—**	**—**	**—**	**—**	**—**
5429 smelted prod. nec	1	1	—	—	—	—	—	—
5480 fab. metal products	2	2	—	—	—	—	—	—
Total food and farm products	**375**	**—**	**91**	**—**	**—**	**254**	**30**	**—**
Subtotal grain	**226**	**—**	**91**	**—**	**—**	**135**	**—**	**—**
6344 corn	226	—	91	—	—	135	—	—
Subtotal oilseeds	**119**	**—**	**—**	**—**	**—**	**89**	**30**	**—**
6522 soybeans	119	—	—	—	—	89	30	—
Subtotal processed grain and animal feed	**30**	**—**	**—**	**—**	**—**	**30**	**—**	**—**
6747 grain mill products	30	—	—	—	—	30	—	—
Total all manufactured equipment, machinery and products	**4**	**1**	**—**	**—**	**—**	**—**	**2**	**—**
7110 machinery (not elec)	1	1	—	—	—	—	—	—
7230 ships & boats	2	—	—	—	—	—	2	—
Total unknown or not elsewhere classified	**0**	**0**	**—**	**—**	**—**	**—**	**—**	**—**
9900 unknown or nec	0	0	—	—	—	—	—	—
Ton-miles (x1000) Foreign & Canadian	**12,878**	**1,887**	**478**	**71**	**4,071**	**5,555**	**393**	**422**

Commodity	Total	Lakewise			
		Receipts	Shipments	Through Upbound	Through Downbnd
Total, all commodities	**5,255**	**1,170**	**3,535**	**34**	**516**
Total coal	**2,986**	**—**	**2,986**	**—**	**—**
1100 coal & lignite	2,713	—	2,713	—	—
1200 coal coke	273	—	273	—	—
Total petroleum and petroleum products	**176**	**12**	**152**	**7**	**6**
Subtotal petroleum products	**176**	**12**	**152**	**7**	**6**
2330 distillate fuel oil	12	—	—	7	6
2430 asphalt, tar & pitch	9	9	—	—	—
2540 petroleum coke	155	3	152	—	—
Total crude materials, inedible except fuels	**869**	**809**	**57**	**—**	**3**
Subtotal soil, sand, gravel, rock and stone	**743**	**712**	**30**	**—**	**—**
4322 limestone	743	712	30	—	—
Subtotal iron ore and scrap	**20**	**—**	**18**	**—**	**3**
4410 iron ore	15	—	15	—	—
4420 iron & steel scrap	6	—	3	—	3
Subtotal sulphur, clay and salt	**9**	**—**	**9**	**—**	**—**
4782 clay & refrac. mat.	9	—	9	—	—
Subtotal other non-metal. min.	**97**	**97**	**—**	**—**	**—**
4900 non-metal. min. nec	97	97	—	—	—

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Lakewise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total primary manufactured goods	**1,224**	**348**	**340**	**27**	**508**
Subtotal lime, cement and glass	**1,051**	**348**	**301**	**—**	**402**
5220 cement & concrete	1,051	348	301	—	402
Subtotal primary iron and steel products	**172**	**—**	**39**	**27**	**106**
5312 pig iron	64	—	37	27	—
5390 primary i&s nec	108	—	2	—	106
Total food and farm products	**2**	**2**	**—**	**—**	**—**
Subtotal oilseeds	**2**	**2**	**—**	**—**	**—**
6522 soybeans	2	2	—	—	—
Ton-miles (x1000)	**22,896**	**3,631**	**16,142**	**40**	**3,082**
Lakewise					

Commodity	Total	Internal					
		Inbound		Outbound	Through		Intra
		Upbound	Downbnd	Downbnd	Upbound	Downbnd	Downbnd
Total, all commodities	**6,175**	**2,496**	**5**	**817**	**1,929**	**927**	**2**
Total coal	**939**	**127**	**—**	**5**	**807**	**—**	**—**
1100 coal & lignite	226	110	—	2	115	—	—
1200 coal coke	713	17	—	3	692	—	—
Total petroleum and petroleum products	**1,368**	**938**	**—**	**124**	**133**	**171**	**2**
Subtotal petroleum products	**1,368**	**938**	**—**	**124**	**133**	**171**	**2**
2211 gasoline	11	—	—	—	6	5	—
2330 distillate fuel oil	86	11	—	2	27	46	—
2340 residual fuel oil	56	24	—	—	32	—	—
2429 naphtha & solvents	21	—	—	—	7	14	—
2430 asphalt, tar & pitch	98	20	—	7	—	72	—
2540 petroleum coke	1,081	863	—	112	50	34	2
2990 petro. products nec	14	—	—	3	10	1	—
Total chemicals and related products	**179**	**85**	**—**	**13**	**55**	**26**	**—**
Subtotal fertilizers	**78**	**29**	**—**	**—**	**49**	**—**	**—**
3110 nitrogenous fert.	67	26	—	—	42	—	—
3120 phosphatic fert.	5	—	—	—	5	—	—
3130 potassic fert.	1	—	—	—	1	—	—
3190 fert. & mixes nec	5	3	—	—	2	—	—
Subtotal other chemicals and related products	**100**	**56**	**—**	**13**	**6**	**26**	**—**
3220 alcohols	44	26	—	13	6	—	—
3275 inorg. elem., oxides, & halogen salts	19	19	—	—	—	—	—
3276 metallic salts	29	3	—	—	—	26	—
3279 inorganic chem. nec	5	5	—	—	—	—	—
3299 chem. products nec	3	3	—	—	—	—	—
Total crude materials, inedible except fuels	**1,669**	**326**	**3**	**364**	**644**	**331**	**—**
Subtotal forest products, wood and chips	**8**	**8**	**—**	**—**	**—**	**—**	**—**
4161 wood chips	6	6	—	—	—	—	—
4190 forest products nec	2	2	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**307**	**27**	**—**	**2**	**278**	**—**	**—**
4322 limestone	19	19	—	—	—	—	—
4323 gypsum	278	—	—	—	278	—	—
4331 sand & gravel	9	8	—	2	—	—	—
Subtotal iron ore and scrap	**621**	**49**	**—**	**349**	**201**	**23**	**—**
4410 iron ore	273	46	—	50	168	9	—
4420 iron & steel scrap	347	3	—	298	33	14	—
Subtotal non-ferrous ores and scrap	**76**	**70**	**—**	**—**	**6**	**—**	**—**
4650 aluminum ore	21	20	—	—	2	—	—
4670 manganese ore	43	38	—	—	5	—	—
4690 non-ferrous ores nec	12	12	—	—	—	—	—
Subtotal sulphur, clay and salt	**139**	**80**	**—**	**—**	**59**	**—**	**—**
4782 clay & refrac. mat.	139	80	—	—	59	—	—
Subtotal slag	**424**	**3**	**—**	**14**	**98**	**309**	**—**
4860 slag	424	3	—	14	98	309	—
Subtotal other non-metal. min.	**95**	**91**	**3**	**—**	**1**	**—**	**—**
4900 non-metal. min. nec	95	91	3	—	1	—	—
Total primary manufactured goods	**1,726**	**1,014**	**2**	**117**	**245**	**348**	**—**
Subtotal lime, cement and glass	**163**	**48**	**—**	**109**	**3**	**3**	**—**
5220 cement & concrete	162	48	—	109	2	3	—
5290 misc. mineral prod.	2	—	—	—	2	—	—
Subtotal primary iron and steel products	**1,431**	**849**	**2**	**8**	**231**	**341**	**—**
5312 pig iron	358	243	—	—	115	—	—
5315 ferro alloys	177	175	2	1	—	—	—
5320 i&s primary forms	33	27	—	—	4	1	—
5330 i&s plates & sheets	566	218	—	4	88	256	—
5360 i&s bars & shapes	84	74	—	—	8	2	—
5390 primary i&s nec	213	113	—	3	16	82	—

CALUMET HARBOR AND RIVER, IL AND IN (INCLUDED IN PORT OF CHICAGO)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Internal					
		Inbound		Outbound	Through		Intra
		Upbound	Downbnd	Downbnd	Upbound	Downbnd	Downbnd
Subtotal primary non-ferrous metal products	**131**	**117**	—	—	**10**	**4**	—
5422 aluminum	3	3	—	—	—	—	—
5429 smelted prod. nec	22	22	—	—	0	—	—
5480 fab. metal products	106	92	—	—	10	4	—
Total food and farm products	**269**	**4**	—	**184**	**43**	**38**	—
Subtotal grain	**200**	—	—	**174**	—	**26**	—
6241 wheat	47	—	—	44	—	3	—
6344 corn	153	—	—	130	—	23	—
Subtotal oilseeds	**51**	—	—	**10**	**29**	**12**	—
6522 soybeans	22	—	—	10	—	12	—
6590 oilseeds nec	29	—	—	—	29	—	—
Subtotal other agricultural products	**18**	**4**	—	—	**14**	—	—
6861 sugar	14	—	—	—	14	—	—
6865 molasses	4	4	—	—	—	—	—
Total all manufactured equipment, machinery and products	**25**	**1**	—	**10**	**2**	**11**	—
7110 machinery (not elec)	13	—	—	—	2	11	—
7600 rubber & plastic pr.	10	—	—	10	—	—	—
7900 manufac. prod. nec	1	1	—	—	—	—	—
Ton-miles (x1000)	24,206	5,335	9	1,727	11,574	5,561	0
Internal							

Tons All Traffic (x1000) **14,596**
Ton-miles All Traffic (x1000) **59,980**
Total Trip-ton-miles Internal and Intraport (x1000) **5,703,861**

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
1997	24,868	2000	23,929	2003	22,610	**2006**	**25,706**
1998	25,979	2001	21,976	2004	24,602		
1999	26,602	2002	20,403	2005	25,821		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total, all commodities	**3,165**	**360**	**125**	**1,188**	**1,492**
Total coal	**318**	—	—	—	**318**
1100 coal & lignite	176	—	—	—	176
1200 coal coke	142	—	—	—	142
Total petroleum and petroleum products	**877**	—	**34**	**15**	**828**
Subtotal petroleum products	**877**	—	**34**	**15**	**828**
2330 distillate fuel oil	20	—	—	12	8
2340 residual fuel oil	4	—	—	—	4
2350 lube oil & greases	4	—	—	—	4
2430 asphalt, tar & pitch	15	—	—	—	15
2540 petroleum coke	833	—	34	3	796
Total chemicals and related products	**9**	**9**	—	—	—
Subtotal other chemicals and related products	**9**	**9**	—	—	—
3219 other hydrocarbons	9	9	—	—	—
Total crude materials, inedible except fuels	**1,190**	—	—	**1,131**	**60**
Subtotal soil, sand, gravel, rock and stone	**244**	—	—	**184**	**60**
4322 limestone	126	—	—	126	—
4331 sand & gravel	118	—	—	58	60
Subtotal iron ore and scrap	**127**	—	—	**127**	—
4410 iron ore	127	—	—	127	—
Subtotal non-ferrous ores and scrap	**30**	—	—	**30**	—
4650 aluminum ore	30	—	—	30	—
Subtotal sulphur, clay and salt	**65**	—	—	**65**	—
4782 clay & refrac. mat.	65	—	—	65	—
Subtotal slag	**31**	—	—	**31**	—
4860 slag	31	—	—	31	—
Subtotal other non-metal. min.	**693**	—	—	**693**	—
4900 non-metal. min. nec	693	—	—	693	—

PORT OF CHICAGO, IL
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total primary manufactured goods	**392**	**349**	—	**43**	—
Subtotal primary iron and steel products	**389**	**346**	—	**43**	—
5320 i&s primary forms	149	116	—	33	—
5330 i&s plates & sheets	203	198	—	5	—
5360 i&s bars & shapes	14	14	—	—	—
5370 i&s pipe & tube	16	16	—	—	—
5390 primary i&s nec	6	1	—	5	—
Subtotal primary non-ferrous metal products	**3**	**3**	—	—	—
5429 smelted prod. nec	1	1	—	—	—
5480 fab. metal products	2	2	—	—	—
Total food and farm products	**375**	—	**91**	—	**284**
Subtotal grain	**226**	—	**91**	—	**135**
6344 corn	226	—	91	—	135
Subtotal oilseeds	**119**	—	—	—	**119**
6522 soybeans	119	—	—	—	119
Subtotal processed grain and animal feed	**30**	—	—	—	**30**
6747 grain mill products	30	—	—	—	30
Total all manufactured equipment, machinery and products	**4**	**1**	—	—	**2**
7110 machinery (not elec)	1	1	—	—	—
7230 ships & boats	2	—	—	—	2
Total unknown or not elsewhere classified	**0**	**0**	—	—	—
9900 unknown or nec	0	0	—	—	—

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	**22,541**	**1,687**	**3,569**	**8,563**	**3,022**	**5,701**
Total coal	**5,981**	—	**2,986**	**138**	**86**	**2,772**
1100 coal & lignite	5,601	—	2,713	114	2	2,772
1200 coal coke	381	—	273	23	85	—
Total petroleum and petroleum products	**3,467**	**17**	**159**	**1,580**	**1,127**	**583**
Subtotal petroleum products	**3,467**	**17**	**159**	**1,580**	**1,127**	**583**
2211 gasoline	104	—	—	101	—	2
2221 kerosene	18	—	—	—	18	—
2330 distillate fuel oil	762	6	7	239	365	145
2340 residual fuel oil	271	—	—	156	96	19
2350 lube oil & greases	98	—	—	90	8	—
2429 naphtha & solvents	144	—	—	104	35	5
2430 asphalt, tar & pitch	385	9	—	245	114	18
2540 petroleum coke	1,658	3	152	631	479	394
2640 hydrocarbon & petrol gases, liquefied and gaseous	11	—	—	11	—	—
2990 petro. products nec	16	—	—	3	13	—
Total chemicals and related products	**1,504**	—	—	**1,186**	**274**	**44**
Subtotal fertilizers	**34**	—	—	**34**	—	—
3110 nitrogenous fert.	30	—	—	30	—	—
3190 fert. & mixes nec	3	—	—	3	—	—
Subtotal other chemicals and related products	**1,471**	—	—	**1,152**	**274**	**44**
3212 benzene & toluene	102	—	—	48	55	—
3219 other hydrocarbons	107	—	—	37	42	28
3220 alcohols	692	—	—	500	176	15
3260 organic comp. nec	11	—	—	11	—	—
3274 sodium hydroxide	391	—	—	391	—	—
3275 inorg. elem., oxides, & halogen salts	44	—	—	44	—	—
3276 metallic salts	111	—	—	110	—	1
3279 inorganic chem. nec	5	—	—	5	—	—
3297 chemical additives	3	—	—	3	1	—
3299 chem. products nec	3	—	—	3	—	—
Total crude materials, inedible except fuels	**6,892**	**811**	**57**	**2,619**	**1,151**	**2,253**
Subtotal forest products, wood and chips	**115**	—	—	**115**	—	—
4161 wood chips	113	—	—	113	—	—
4190 forest products nec	2	—	—	2	—	—
Subtotal soil, sand, gravel, rock and stone	**4,840**	**712**	**30**	**1,557**	**320**	**2,220**
4322 limestone	768	712	30	26	—	—
4331 sand & gravel	4,060	—	—	1,526	320	2,214
4335 waterway improv. mat	11	—	—	5	—	6
Subtotal iron ore and scrap	**946**	**3**	**18**	**79**	**814**	**33**
4410 iron ore	134	—	15	70	50	—
4420 iron & steel scrap	812	3	3	10	764	33
Subtotal non-ferrous ores and scrap	**70**	—	—	**70**	—	—
4650 aluminum ore	20	—	—	20	—	—
4670 manganese ore	38	—	—	38	—	—
4690 non-ferrous ores nec	12	—	—	12	—	—

PORT OF CHICAGO, IL
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal sulphur, clay and salt	**90**	—	**9**	**80**	—	—
4782 clay & refrac. mat.	90	—	9	80	—	—
Subtotal slag	**22**	—	—	**5**	**17**	—
4860 slag	22	—	—	5	17	—
Subtotal other non-metal. min.	**810**	**97**	—	**713**	—	—
4900 non-metal. min. nec	810	97	—	713	—	—
Total primary manufactured goods	**4,345**	**856**	**367**	**2,950**	**123**	**49**
Subtotal lime, cement and glass	**1,957**	**750**	**301**	**768**	**89**	**49**
5220 cement & concrete	1,957	750	301	768	89	49
Subtotal primary iron and steel products	**2,202**	**106**	**66**	**1,996**	**33**	—
5312 pig iron	738	—	64	672	3	—
5315 ferro alloys	180	—	—	180	1	—
5320 i&s primary forms	52	—	—	52	—	—
5330 i&s plates & sheets	548	—	—	543	5	—
5360 i&s bars & shapes	260	—	—	260	—	—
5370 i&s pipe & tube	8	—	—	8	—	—
5390 primary i&s nec	414	106	2	281	25	—
Subtotal primary non-ferrous metal products	**186**	—	—	**186**	—	—
5422 aluminum	18	—	—	18	—	—
5429 smelted prod. nec	45	—	—	45	—	—
5480 fab. metal products	124	—	—	124	—	—
Total food and farm products	**322**	**2**	—	**89**	**231**	—
Subtotal grain	**182**	—	—	—	**182**	—
6241 wheat	44	—	—	—	44	—
6344 corn	138	—	—	—	138	—
Subtotal oilseeds	**14**	**2**	—	—	**13**	—
6522 soybeans	14	2	—	—	13	—
Subtotal vegetable products	**21**	—	—	**21**	—	—
6653 vegetable oils	21	—	—	21	—	—
Subtotal processed grain and animal feed	**31**	—	—	—	**31**	—
6782 animal feed, prep.	31	—	—	—	31	—
Subtotal other agricultural products	**74**	—	—	**68**	**6**	—
6861 sugar	64	—	—	64	—	—
6865 molasses	10	—	—	4	6	—
Total all manufactured equipment, machinery and products	**30**	—	—	**1**	**29**	—
7110 machinery (not elec)	1	—	—	—	1	—
7600 rubber & plastic pr.	10	—	—	—	10	—
7800 empty containers	18	—	—	—	18	—
7900 manufac. prod. nec	1	—	—	1	—	—

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
1997	16,524	2000	16,187	2003	14,133	**2006**	**16,164**
1998	14,910	2001	13,579	2004	18,228		
1999	15,127	2002	13,839	2005	14,120		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign	Canadian	
		Inbound	Inbound	Outbound
Total, all commodities	**504**	**84**	**397**	**23**
Total petroleum and petroleum products	**23**	—	—	**23**
Subtotal petroleum products	**23**	—	—	**23**
2330 distillate fuel oil	5	—	—	5
2540 petroleum coke	17	—	—	17
Total crude materials, inedible except fuels	**481**	**84**	**397**	—
Subtotal iron ore and scrap	**377**	—	**377**	—
4410 iron ore	377	—	377	—
Subtotal non-ferrous ores and scrap	**90**	**84**	**5**	—
4650 aluminum ore	84	84	—	—
4670 manganese ore	5	—	5	—
Subtotal slag	**14**	—	**14**	—
4860 slag	14	—	14	—

INDIANA HARBOR, IN
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	**15,660**	**12,918**	**897**	**1,180**	**621**	**43**
Total coal	**714**	**19**	**—**	**695**	**—**	**—**
1100 coal & lignite	18	9	—	9	—	—
1200 coal coke	696	10	—	686	—	—
Total petroleum and petroleum products	**992**	**31**	**639**	**106**	**174**	**43**
Subtotal petroleum products	**992**	**31**	**639**	**106**	**174**	**43**
2211 gasoline	213	—	202	6	5	—
2330 distillate fuel oil	168	23	37	27	44	38
2340 residual fuel oil	40	—	2	32	—	6
2429 naphtha & solvents	29	8	—	7	14	—
2430 asphalt, tar & pitch	464	—	392	—	72	—
2540 petroleum coke	66	—	5	23	39	—
2990 petro. products nec	13	—	1	10	1	—
Total crude materials, inedible except fuels	**13,738**	**12,869**	**238**	**370**	**261**	**—**
Subtotal soil, sand, gravel, rock and stone	**1,743**	**1,433**	**32**	**278**	**—**	**—**
4322 limestone	1,465	1,433	32	—	—	—
4323 gypsum	278	—	—	278	—	—
Subtotal iron ore and scrap	**11,484**	**11,417**	**—**	**44**	**23**	**—**
4410 iron ore	11,433	11,396	—	28	9	—
4420 iron & steel scrap	51	22	—	16	14	—
Subtotal non-ferrous ores and scrap	**6**	**—**	**—**	**6**	**—**	**—**
4650 aluminum ore	2	—	—	2	—	—
4670 manganese ore	5	—	—	5	—	—
Subtotal slag	**485**	**—**	**206**	**41**	**238**	**—**
4860 slag	485	—	206	41	238	—
Subtotal other non-metal. min.	**19**	**19**	**—**	**—**	**—**	**—**
4900 non-metal. min. nec	19	19	—	—	—	—
Total primary manufactured goods	**215**	**—**	**21**	**9**	**186**	**—**
Subtotal lime, cement and glass	**3**	**—**	**—**	**—**	**3**	**—**
5220 cement & concrete	3	—	—	—	3	—
Subtotal primary iron and steel products	**212**	**—**	**21**	**9**	**183**	**—**
5312 pig iron	9	—	—	9	—	—
5330 i&s plates & sheets	101	—	—	—	101	—
5390 primary i&s nec	102	—	21	—	82	—

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
1997	10,414	2000	9,346	2003	8,069	**2006**	**8,954**
1998	9,006	2001	8,735	2004	9,802		
1999	7,456	2002	8,621	2005	9,812		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total, all commodities	**2,367**	**860**	**65**	**1,256**	**186**
Total coal	**79**	**—**	**—**	**—**	**79**
1200 coal coke	79	—	—	—	79
Total petroleum and petroleum products	**68**	**0**	**19**	**33**	**16**
Subtotal petroleum products	**68**	**0**	**19**	**33**	**16**
2330 distillate fuel oil	0	0	—	—	—
2340 residual fuel oil	33	—	—	33	—
2540 petroleum coke	35	—	19	—	16
Total chemicals and related products	**125**	**—**	**—**	**125**	**—**
Subtotal fertilizers	**63**	**—**	**—**	**63**	**—**
3130 potassic fert.	63	—	—	63	—
Subtotal other chemicals and related products	**63**	**—**	**—**	**63**	**—**
3275 inorg. elem., oxides, & halogen salts	63	—	—	63	—
Total crude materials, inedible except fuels	**1,122**	**—**	**—**	**1,093**	**29**
Subtotal soil, sand, gravel, rock and stone	**43**	**—**	**—**	**15**	**29**
4322 limestone	15	—	—	15	—
4331 sand & gravel	29	—	—	—	29
Subtotal iron ore and scrap	**1,021**	**—**	**—**	**1,021**	**—**
4410 iron ore	1,021	—	—	1,021	—
Subtotal other non-metal. min.	**58**	**—**	**—**	**58**	**—**
4900 non-metal. min. nec	58	—	—	58	—

BURNS WATERWAY HARBOR, IN
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total primary manufactured goods	**846**	**837**	**4**	**4**	**—**
Subtotal lime, cement and glass	**0**	**0**	**—**	**—**	**—**
5290 misc. mineral prod.	0	0	—	—	—
Subtotal primary iron and steel products	**805**	**801**	**—**	**4**	**—**
5312 pig iron	3	—	—	3	—
5320 i&s primary forms	476	475	—	1	—
5330 i&s plates & sheets	289	289	—	—	—
5360 i&s bars & shapes	21	21	—	—	—
5370 i&s pipe & tube	12	12	—	—	—
5390 primary i&s nec	4	4	—	—	—
Subtotal primary non-ferrous metal products	**40**	**36**	**4**	**—**	**—**
5429 smelted prod. nec	0	0	—	—	—
5480 fab. metal products	40	36	4	—	—
Total food and farm products	**101**	**—**	**39**	**—**	**62**
Subtotal grain	**101**	**—**	**39**	**—**	**62**
6344 corn	101	—	39	—	62
Total all manufactured equipment, machinery and products	**8**	**4**	**4**	**0**	**—**
7110 machinery (not elec)	7	3	4	—	—
7120 electrical machinery	0	0	—	0	—
7900 manufac. prod. nec	0	0	—	0	—
Total unknown or not elsewhere classified	**19**	**19**	**—**	**—**	**—**
9900 unknown or nec	19	19	—	—	—

Commodity	Total	Domestic			
		Lakewise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	**6,587**	**5,643**	**332**	**506**	**105**
Total coal	**91**	**—**	**80**	**11**	**—**
1100 coal & lignite	4	—	—	4	—
1200 coal coke	87	—	80	6	—
Total petroleum and petroleum products	**50**	**5**	**7**	**38**	**—**
Subtotal petroleum products	**50**	**5**	**7**	**38**	**—**
2340 residual fuel oil	3	3	—	—	—
2430 asphalt, tar & pitch	7	—	7	—	—
2540 petroleum coke	38	—	—	38	—
2990 petro. products nec	1	1	—	—	—
Total chemicals and related products	**98**	**43**	**—**	**55**	**—**
Subtotal fertilizers	**49**	**—**	**—**	**49**	**—**
3110 nitrogenous fert.	42	—	—	42	—
3120 phosphatic fert.	5	—	—	5	—
3130 potassic fert.	1	—	—	1	—
3190 fert. & mixes nec	2	—	—	2	—
Subtotal other chemicals and related products	**49**	**43**	**—**	**6**	**—**
3220 alcohols	6	—	—	6	—
3276 metallic salts	43	43	—	—	—
Total crude materials, inedible except fuels	**5,958**	**5,595**	**233**	**130**	**—**
Subtotal soil, sand, gravel, rock and stone	**898**	**898**	**—**	**—**	**—**
4322 limestone	898	898	—	—	—
Subtotal iron ore and scrap	**4,721**	**4,635**	**67**	**18**	**—**
4410 iron ore	4,703	4,630	67	6	—
4420 iron & steel scrap	18	6	—	12	—
Subtotal sulphur, clay and salt	**59**	**—**	**—**	**59**	**—**
4782 clay & refrac. mat.	59	—	—	59	—
Subtotal slag	**217**	**—**	**166**	**50**	**—**
4860 slag	217	—	166	50	—
Subtotal other non-metal. min.	**63**	**62**	**—**	**1**	**—**
4900 non-metal. min. nec	63	62	—	1	—
Total primary manufactured goods	**323**	**—**	**12**	**230**	**82**
Subtotal lime, cement and glass	**3**	**—**	**—**	**3**	**—**
5220 cement & concrete	2	—	—	2	—
5290 misc. mineral prod.	2	—	—	2	—
Subtotal primary iron and steel products	**317**	**—**	**12**	**223**	**82**
5312 pig iron	118	—	12	106	—
5320 i&s primary forms	4	—	—	4	—
5330 i&s plates & sheets	170	—	—	89	81
5360 i&s bars & shapes	9	—	—	8	1
5390 primary i&s nec	15	—	—	15	—
Subtotal primary non-ferrous metal products	**3**	**—**	**—**	**3**	**—**
5429 smelted prod. nec	0	—	—	0	—
5480 fab. metal products	3	—	—	3	—

BURNS WATERWAY HARBOR, IN
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Lakewise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total food and farm products	**55**	—	—	**43**	**12**
Subtotal grain	**12**	—	—	—	**12**
6344 corn	12	—	—	—	12
Subtotal oilseeds	**29**	—	—	**29**	—
6590 oilseeds nec	29	—	—	29	—
Subtotal other agricultural products	**14**	—	—	**14**	—
6861 sugar	14	—	—	14	—
Total all manufactured equipment, machinery and products	**11**	—	**0**	—	**11**
7110 machinery (not elec)	11	—	0	—	11

Harbor or Waterway	Commodity	Thousand Short Tons
Project		
CHICAGO HARBOR, IL (INCLUDED IN PORT OF CHICAGO)	2330 distillate fuel oil	12
	2540 petroleum coke	26
	3276 metallic salts	76
	4420 iron & steel scrap	5
	4860 slag	2
	4900 non-metal. min. nec	3
	5315 ferro alloys	2
	5330 i&s plates & sheets	1
	Total Tons(x1000)	**125**
	Total Ton-miles(x1000)	**125**
	Total Trip-ton-miles Internal and Intraport (x1000)	**44,399**
MICHIGAN CITY HARBOR, IN	No Commerce Reported	
Non-project		
BUFFINGTON HARBOR, IN	2540 petroleum coke	33
	4322 limestone	1,426
	4650 aluminum ore	30
	Total Tons(x1000)	**1,489**
GARY HARBOR, IN	1100 coal & lignite	101
	1200 coal coke	60
	2540 petroleum coke	28
	4322 limestone	244
	4331 sand & gravel	22
	4410 iron ore	8,159
	4420 iron & steel scrap	25
	4650 aluminum ore	57
	4690 non-ferrous ores nec	1
	4860 slag	147
	5312 pig iron	40
	5320 i&s primary forms	1
	5330 i&s plates & sheets	70
	5360 i&s bars & shapes	1
	5390 primary i&s nec	87
	5480 fab. metal products	4
	7900 manufac. prod. nec	62
	Total Tons(x1000)	**9,112**

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
1997	13,508	2000	13,060	2003	13,033	**2006**	**13,420**
1998	13,223	2001	11,875	2004	13,473		
1999	11,872	2002	14,895	2005	10,959		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Outbound	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	**13,420**	**58**	**13,362**	**76**	**13,286**
Total crude materials, inedible except fuels	**13,358**	**58**	**13,300**	**76**	**13,225**
Subtotal soil, sand, gravel, rock and stone	**31**	—	**31**	**31**	—
4322 limestone	31	—	31	31	—
Subtotal iron ore and scrap	**13,290**	**58**	**13,232**	**26**	**13,206**
4410 Iron ore	13,290	58	13,232	26	13,206
Subtotal other non-metal. min.	**38**	—	**38**	**19**	**19**
4900 non-metal. min. nec	38	—	38	19	19
Total all manufactured equipment, machinery and products	**62**	—	**62**	—	**62**
7900 manufac. prod. nec	62	—	62	—	62

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
1997	41,929	2000	41,678	2003	38,295	**2006**	**46,974**
1998	42,443	2001	39,811	2004	45,393		
1999	42,297	2002	44,161	2005	44,722		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise		Internal
							Receipts	Shipments	Intraport
Total, all commodities	**46,974**	**22**	**2,165**	**505**	**11,771**	**32,511**	**3,753**	**28,708**	**50**
Total coal	**21,534**	—	—	**46**	**7,108**	**14,380**	**214**	**14,115**	**50**
1100 coal & lignite	21,510	—	—	23	7,108	14,380	214	14,115	50
1200 coal coke	23	—	—	23	—	—	—	—	—
Total chemicals and related products	**32**	—	—	—	—	**32**	**32**	—	—
Subtotal other chemicals and related products	**32**	—	—	—	—	**32**	**32**	—	—
3276 metallic salts	32	—	—	—	—	32	32	—	—
Total crude materials, inedible except fuels	**22,672**	—	**421**	**300**	**4,426**	**17,525**	**3,275**	**14,251**	—
Subtotal forest products, wood and chips	**49**	—	—	**16**	**33**	—	—	—	—
4170 wood in the rough	49	—	—	16	33	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**3,048**	—	—	—	—	**3,048**	**3,048**	—	—
4322 limestone	3,048	—	—	—	—	3,048	3,048	—	—
Subtotal iron ore and scrap	**18,764**	—	**230**	—	**4,235**	**14,299**	**67**	**14,232**	—
4410 iron ore	18,764	—	230	—	4,235	14,299	67	14,232	—
Subtotal non-ferrous ores and scrap	**152**	—	**21**	—	**132**	—	—	—	—
4690 non-ferrous ores nec	152	—	21	—	132	—	—	—	—
Subtotal sulphur, clay and salt	**196**	—	**170**	—	**25**	—	—	—	—
4782 clay & refrac. mat.	196	—	170	—	25	—	—	—	—
Subtotal slag	**64**	—	—	—	—	**64**	**64**	—	—
4860 slag	64	—	—	—	—	64	64	—	—
Subtotal other non-metal. min.	**399**	—	—	**285**	—	**115**	**95**	**19**	—
4900 non-metal. min. nec	399	—	—	285	—	115	95	19	—
Total primary manufactured goods	**404**	**15**	**0**	**158**	—	**232**	**232**	—	—
Subtotal lime, cement and glass	**389**	—	—	**158**	—	**232**	**232**	—	—
5220 cement & concrete	389	—	—	158	—	232	232	—	—
Subtotal primary iron and steel products	**15**	**15**	—	—	—	—	—	—	—
5330 I&s plates & sheets	15	15	—	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	**0**	**0**	**0**	—	—	—	—	—	—
5480 fab. metal products	0	0	0	—	—	—	—	—	—

DULUTH-SUPERIOR HARBOR, MN AND WI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise		Internal
							Receipts	Shipments	Intraport
Total food and farm products	**2,322**	—	**1,742**	—	**238**	**342**	—	**342**	—
Subtotal grain	**1,824**	—	**1,329**	—	**153**	**342**	—	**342**	—
6241 wheat	1,547	—	1,313	—	153	81	—	81	—
6344 corn	16	—	16	—	—	—	—	—	—
6445 oats	261	—	—	—	—	261	—	261	—
Subtotal oilseeds	**234**	—	**150**	—	**85**	—	—	—	—
6522 soybeans	193	—	109	—	85	—	—	—	—
6534 flaxseed	41	—	41	—	—	—	—	—	—
Subtotal vegetable products	**83**	—	**83**	—	—	—	—	—	—
6654 vegetables & prod.	83	—	83	—	—	—	—	—	—
Subtotal other agricultural products	**180**	—	**180**	—	—	—	—	—	—
6861 sugar	9	—	9	—	—	—	—	—	—
6899 farm products nec	172	—	172	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	**9**	**7**	**3**	**0**	—	—	—	—	—
7110 machinery (not elec)	8	6	2	0	—	—	—	—	—
7120 electrical machinery	0	—	0	—	—	—	—	—	—
7210 vehicles & parts	1	1	—	—	—	—	—	—	—
7900 manufac. prod. nec	0	0	—	—	—	—	—	—	—

TACONITE HARBOR, MN

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	8,607	2000	8,505	2003	852	**2006**	**2,089**
1998	8,761	2001	2,243	2004	1,209		
1999	8,366	2002	645	2005	2,508		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total, all commodities	**2,089**	**991**	**1,098**
Total coal	**991**	**991**	—
1100 coal & lignite	991	991	—
Total crude materials, inedible except fuels	**1,098**	—	**1,098**
Subtotal iron ore and scrap	**1,098**	—	**1,098**
4410 iron ore	1,098	—	1,098

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
1997	11,201	2000	10,742	2003	8,776	**2006**	**9,074**
1998	10,483	2001	9,475	2004	10,134		
1999	9,531	2002	10,592	2005	10,983		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Outbound	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	**9,074**	**2,136**	**6,938**	**2,164**	**4,774**
Total coal	**2,080**	—	**2,080**	**2,080**	—
1100 coal & lignite	2,080	—	2,080	2,080	—
Total crude materials, inedible except fuels	**6,994**	**2,136**	**4,858**	**84**	**4,774**
Subtotal soil, sand, gravel, rock and stone	**84**	—	**84**	**84**	—
4322 limestone	84	—	84	84	—
Subtotal iron ore and scrap	**6,910**	**2,136**	**4,774**	—	**4,774**
4410 iron ore	6,910	2,136	4,774	—	4,774

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
1997	689	2000	912	2003	1,206	**2006**	**839**
1998	869	2001	976	2004	1,538		
1999	818	2002	923	2005	1,121		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic Lakewise Receipts
Total, all commodities	**839**	**62**	**777**
Total coal	**176**	**—**	**176**
1100 coal & lignite	176	—	176
Total crude materials, inedible except fuels	**663**	**62**	**601**
Subtotal soil, sand, gravel, rock and stone	**663**	**62**	**601**
4322 limestone	663	62	601

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
1997	1,560	2000	1,358	2003	1,401	**2006**	**1,238**
1998	1,582	2001	1,198	2004	1,716		
1999	1,732	2002	1,221	2005	1,460		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian Outbound	Domestic Lakewise Shipments
Total, all commodities	**1,238**	**237**	**1,000**
Total crude materials, inedible except fuels	**1,238**	**237**	**1,000**
Subtotal soil, sand, gravel, rock and stone	**1,238**	**237**	**1,000**
4322 limestone	1,216	237	979
4331 sand & gravel	22	—	22

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
Vidal Shoals Channel	28.0	28.0
Locks and Canal (see report for St. Marys Fall Canal)		
Bayfield Channel Course 1	28.0	28.0
Anchorage and maneuver area angle courses 1 and 2	28.5	28.5
Little Rapids Courses 2 and 3	27.0	27.0
Lake Nicolet Channel	29.0	29.0
Lake Nicolet Anchorage	28.0	28.0
Middle Neebish Channel	27.0-28.0	27.0
West Nebish 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
1997	83,822	2000	84,925	2003	71,921	**2006**	**81,299**
1998	82,235	2001	74,916	2004	83,122		
1999	81,315	2002	80,330	2005	79,910		

Freight Traffic, 2006 (thousand short tons)

Commodity		Total	Foreign		Canadian			
			Through		Inbound	Outbound	Through	
			Upbound	Downbnd			Upbound	Downbnd
Total, all commodities		**25,737**	**22**	**2,165**	**61**	**237**	**3,194**	**20,058**
Total coal		**9,318**	—	—	—	—	**1,590**	**7,729**
1100	coal & lignite	9,240	—	—	—	—	1,543	7,697
1200	coal coke	79	—	—	—	—	47	32
Total petroleum and petroleum products		**199**	—	—	—	—	**195**	**4**
Subtotal petroleum products		**199**	—	—	—	—	**195**	**4**
2430	asphalt, tar & pitch	4	—	—	—	—	—	4
2540	petroleum coke	195	—	—	—	—	195	—
Total chemicals and related products		**256**	—	—	—	—	**41**	**215**
Subtotal fertilizers		**215**	—	—	—	—	—	**215**
3130	potassic fert.	215	—	—	—	—	—	215
Subtotal other chemicals and related products		**41**	—	—	—	—	**41**	—
3274	sodium hydroxide	16	—	—	—	—	16	—
3276	metallic salts	25	—	—	—	—	25	—
Total crude materials, inedible except fuels		**12,315**	—	**421**	**61**	**237**	**1,183**	**10,413**
Subtotal forest products, wood and chips		**80**	—	—	—	—	—	**80**
4170	wood in the rough	2	—	—	—	—	—	2
4189	lumber	78	—	—	—	—	—	78
Subtotal soil, sand, gravel, rock and stone		**4,478**	—	—	—	**237**	**854**	**3,386**
4310	building stone	23	—	—	—	—	23	—
4322	limestone	3,604	—	—	—	237	686	2,681
4331	sand & gravel	851	—	—	—	—	146	705
Subtotal iron ore and scrap		**6,709**	—	**230**	—	—	**9**	**6,471**
4410	iron ore	6,695	—	230	—	—	—	6,466
4420	iron & steel scrap	14	—	—	—	—	9	5
Subtotal non-ferrous ores and scrap		**152**	—	**21**	—	—	—	**132**
4690	non-ferrous ores nec	152	—	21	—	—	—	132
Subtotal sulphur, clay and salt		**307**	—	**170**	—	—	—	**137**
4782	clay & refrac. mat.	307	—	170	—	—	—	137
Subtotal slag		**163**	—	—	—	—	—	**163**
4860	slag	163	—	—	—	—	—	163
Subtotal other non-metal. min.		**425**	—	—	61	—	**319**	**45**
4900	non-metal. min. nec	425	—	—	61	—	319	45
Total primary manufactured goods		**1,535**	**15**	**0**	—	—	**182**	**1,337**
Subtotal lime, cement and glass		**1,482**	—	—	—	—	**182**	**1,300**
5220	cement & concrete	1,482	—	—	—	—	182	1,300
Subtotal primary iron and steel products		**53**	**15**	—	—	—	—	**38**
5320	i&s primary forms	33	—	—	—	—	—	33
5330	i&s plates & sheets	20	15	—	—	—	—	5
Subtotal primary non-ferrous metal products		**0**	**0**	**0**	—	—	—	—
5480	fab. metal products	0	0	0	—	—	—	—

ST. MARYS RIVER, MI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian			
		Through		Inbound	Outbound	Through	
		Upbound	Downbnd			Upbound	Downbnd
Total food and farm products	**2,102**	—	**1,742**	—	—	**1**	**359**
Subtotal grain	**1,604**	—	**1,329**	—	—	**1**	**274**
6241 wheat	1,489	—	1,313	—	—	—	176
6344 corn	17	—	16	—	—	1	—
6445 oats	99	—	—	—	—	—	99
Subtotal oilseeds	**234**	—	**150**	—	—	—	**85**
6522 soybeans	193	—	109	—	—	—	85
6534 flaxseed	41	—	41	—	—	—	—
Subtotal vegetable products	**83**	—	**83**	—	—	—	—
6654 vegetables & prod.	83	—	83	—	—	—	—
Subtotal other agricultural products	**180**	—	**180**	—	—	—	—
6861 sugar	9	—	9	—	—	—	—
6899 farm products nec	172	—	172	—	—	—	—
Total all manufactured equipment, machinery and products	**12**	**7**	**3**	—	—	**2**	**0**
7110 machinery (not elec)	8	6	2	—	—	—	—
7120 electrical machinery	0	—	0	—	—	—	—
7210 vehicles & parts	1	1	—	—	—	—	—
7230 ships & boats	2	—	—	—	—	2	—
7900 manufac. prod. nec	0	0	—	—	—	—	0
Ton-miles (x1000)	**1,349,600**	**1,398**	**138,588**	**2,800**	**3,619**	**145,068**	**1,058,126**
Foreign & Canadian							

Commodity	Total	Lakewise		
		Shipments	Through	
			Upbound	Downbnd
Total, all commodities	**55,562**	**1,000**	**5,076**	**49,486**
Total coal	**12,183**	—	**1,125**	**11,058**
1100 coal & lignite	12,183	—	1,125	11,058
Total chemicals and related products	**32**	—	**32**	—
Subtotal other chemicals and related products	**32**	—	**32**	—
3276 metallic salts	32	—	32	—
Total crude materials, inedible except fuels	**42,711**	**1,000**	**3,687**	**38,024**
Subtotal soil, sand, gravel, rock and stone	**4,461**	**1,000**	**3,461**	—
4322 limestone	4,439	979	3,461	—
4331 sand & gravel	22	22	—	—
Subtotal iron ore and scrap	**38,072**	—	**67**	**38,005**
4410 iron ore	38,072	—	67	38,005
Subtotal slag	**64**	—	**64**	—
4860 slag	64	—	64	—
Subtotal other non-metal. min.	**114**	—	**95**	**19**
4900 non-metal. min. nec	114	—	95	19
Total primary manufactured goods	**232**	—	**232**	—
Subtotal lime, cement and glass	**232**	—	**232**	—
5220 cement & concrete	232	—	232	—
Total food and farm products	**342**	—	—	**342**
Subtotal grain	**342**	—	—	**342**
6241 wheat	81	—	—	81
6445 oats	261	—	—	261
Total all manufactured equipment, machinery and products	**62**	—	—	**62**
7900 manufac. prod. nec	62	—	—	62
Ton-miles (x1000)	**3,524,634**	**32,692**	**324,868**	**3,167,074**
Lakewise				

Tons All Traffic (x1000) **81,299**
Ton-miles All Traffic (x1000) **4,874,234**

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
1997	79,850	2000	77,956	2003	65,680	**2006**	**74,218**
1998	78,296	2001	68,179	2004	74,971		
1999	76,675	2002	73,968	2005	72,979		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Lakewise Through	
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd
Total, all commodities	**74,218**	**22**	**2,165**	**972**	**16,193**	**54,865**	**5,380**	**49,486**
Total coal	**20,044**	—	—	**165**	**7,697**	**12,183**	**1,125**	**11,058**
1100 coal & lignite	20,021	—	—	141	7,697	12,183	1,125	11,058
1200 coal coke	23	—	—	23	—	—	—	—
Total petroleum and petroleum products	**195**	—	—	**195**	—	—	—	—
Subtotal petroleum products	**195**	—	—	**195**	—	—	—	—
2540 petroleum coke	195	—	—	195	—	—	—	—
Total chemicals and related products	**280**	—	—	**33**	**215**	**32**	**32**	—
Subtotal fertilizers	**215**	—	—	—	**215**	—	—	—
3130 potassic fert.	215	—	—	—	215	—	—	—
Subtotal other chemicals and related products	**65**	—	—	**33**	—	**32**	**32**	—
3274 sodium hydroxide	16	—	—	16	—	—	—	—
3276 metallic salts	49	—	—	17	—	32	32	—
Total crude materials, inedible except fuels	**49,521**	—	**421**	**406**	**6,680**	**42,014**	**3,991**	**38,024**
Subtotal forest products, wood and chips	**80**	—	—	—	**80**	—	—	—
4170 wood in the rough	2	—	—	—	2	—	—	—
4189 lumber	78	—	—	—	78	—	—	—
Subtotal soil, sand, gravel, rock and stone	**3,855**	—	—	**90**	—	**3,764**	**3,764**	—
4322 limestone	3,826	—	—	62	—	3,764	3,764	—
4331 sand & gravel	29	—	—	29	—	—	—	—
Subtotal iron ore and scrap	**44,731**	—	**230**	—	**6,429**	**38,072**	**67**	**38,005**
4410 iron ore	44,731	—	230	—	6,429	38,072	67	38,005
Subtotal non-ferrous ores and scrap	**152**	—	**21**	—	**132**	—	—	—
4690 non-ferrous ores nec	152	—	21	—	132	—	—	—
Subtotal sulphur, clay and salt	**196**	—	**170**	—	**25**	—	—	—
4782 clay & refrac. mat.	196	—	170	—	25	—	—	—
Subtotal slag	**64**	—	—	—	—	**64**	**64**	—
4860 slag	64	—	—	—	—	64	64	—
Subtotal other non-metal. min.	**444**	—	—	**316**	**14**	**114**	**95**	**19**
4900 non-metal. min. nec	444	—	—	316	14	114	95	19
Total primary manufactured goods	**1,683**	**15**	**0**	**170**	**1,266**	**232**	**232**	—
Subtotal lime, cement and glass	**1,668**	—	—	**170**	**1,266**	**232**	**232**	—
5220 cement & concrete	1,668	—	—	170	1,266	232	232	—
Subtotal primary iron and steel products	**15**	**15**	—	—	—	—	—	—
5330 i&s plates & sheets	15	15	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	**0**	**0**	**0**	—	—	—	—	—
5480 fab. metal products	0	0	0	—	—	—	—	—
Total food and farm products	**2,421**	—	**1,742**	**1**	**336**	**342**	—	**342**
Subtotal grain	**1,924**	—	**1,329**	**1**	**252**	**342**	—	**342**
6241 wheat	1,547	—	1,313	—	153	81	—	81
6344 corn	17	—	16	1	—	—	—	—
6445 oats	360	—	—	—	99	261	—	261
Subtotal oilseeds	**234**	—	**150**	—	**85**	—	—	—
6522 soybeans	193	—	109	—	85	—	—	—
6534 flaxseed	41	—	41	—	—	—	—	—
Subtotal vegetable products	**83**	—	**83**	—	—	—	—	—
6654 vegetables & prod.	83	—	83	—	—	—	—	—
Subtotal other agricultural products	**180**	—	**180**	—	—	—	—	—
6861 sugar	9	—	9	—	—	—	—	—
6899 farm products nec	172	—	172	—	—	—	—	—
Total all manufactured equipment, machinery and products	**74**	**7**	**3**	**2**	**0**	**62**	—	**62**
7110 machinery (not elec)	8	6	2	—	—	—	—	—
7120 electrical machinery	0	—	0	—	—	—	—	—
7210 vehicles & parts	1	1	—	—	—	—	—	—
7230 ships & boats	2	—	—	2	—	—	—	—
7900 manufac. prod. nec	62	0	—	—	0	62	—	62
Ton-miles (x1000)	**4,220,160**	**1,376**	**136,422**	**8,629**	**901,181**	**3,172,551**	**54,962**	**3,117,589**

Tons All Traffic (x1000)	**74,218**
Ton-miles All Traffic (x1000)	**4,220,160**

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
1997	8,677	2000	12,497	2003	11,290	**2006**	**10,891**
1998	10,489	2001	13,010	2004	11,848		
1999	10,586	2002	11,799	2005	11,136		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic				
		Through		Total	Lakewise Through		Internal Through	
		Upbound	Downbnd		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**10,891**	**61**	**179**	**10,651**	**2,666**	**7,959**	**7**	**19**
Total coal	**2,437**	—	—	**2,437**	**813**	**1,623**	—	—
1100 coal & lignite	2,130	—	—	2,130	515	1,615	—	—
1200 coal coke	306	—	—	306	298	8	—	—
Total petroleum and petroleum products	**581**	—	—	**581**	**443**	**115**	**7**	**17**
Subtotal petroleum products	**581**	—	—	**581**	**443**	**115**	**7**	**17**
2211 gasoline	145	—	—	145	106	38	—	—
2330 distillate fuel oil	73	—	—	73	30	29	7	7
2340 residual fuel oil	5	—	—	5	2	3	—	—
2429 naphtha & solvents	8	—	—	8	—	8	—	—
2430 asphalt, tar & pitch	216	—	—	216	183	33	—	—
2540 petroleum coke	134	—	—	134	122	3	—	10
Total chemicals and related products	**91**	—	—	**91**	**91**	—	—	—
Subtotal other chemicals and related products	**91**	—	—	**91**	**91**	—	—	—
3276 metallic salts	91	—	—	91	91	—	—	—
Total crude materials, inedible except fuels	**6,051**	**61**	**174**	**5,816**	**1,279**	**4,537**	—	—
Subtotal soil, sand, gravel, rock and stone	**4,720**	**61**	**77**	**4,582**	**1,184**	**3,398**	—	—
4322 limestone	4,301	—	12	4,289	1,153	3,135	—	—
4323 gypsum	251	—	—	251	—	251	—	—
4331 sand & gravel	168	61	65	43	30	12	—	—
Subtotal iron ore and scrap	**716**	—	—	**716**	**15**	**701**	—	—
4410 iron ore	678	—	—	676	15	664	—	—
4420 iron & steel scrap	38	—	—	38	—	38	—	—
Subtotal slag	**217**	—	**97**	**120**	**80**	**39**	—	—
4860 slag	217	—	97	120	80	39	—	—
Subtotal other non-metal. min.	**399**	—	—	**399**	—	**399**	—	—
4900 non-metal. min. nec	399	—	—	399	—	399	—	—
Total primary manufactured goods	**1,731**	—	**5**	**1,726**	**39**	**1,683**	—	**3**
Subtotal lime, cement and glass	**1,692**	—	—	**1,692**	**28**	**1,665**	—	—
5210 lime	16	—	—	16	—	16	—	—
5220 cement & concrete	1,676	—	—	1,676	28	1,649	—	—
Subtotal primary iron and steel products	**38**	—	**5**	**33**	**12**	**19**	—	**3**
5312 pig iron	31	—	—	31	12	19	—	—
5330 i&s plates & sheets	3	—	—	3	—	—	—	3
5390 primary i&s nec	5	—	5	—	—	—	—	—
Total all manufactured equipment, machinery and products	**0**	—	—	**0**	—	—	**0**	—
7110 machinery (not elec)	0	—	—	0	—	—	0	—
Ton-miles (x1000)	**1,593,601**	**1,220**	**18,087**	**1,574,294**	**398,945**	**1,169,186**	**1,843**	**4,320**

Tons All Traffic (x1000) 10,891
Ton-miles All Traffic (x1000) 1,593,601
Total Trip-ton-miles Internal and Intraport (x1000) 20,429

CHARLEVOIX HARBOR, MI

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	1,529	2000	1,748	2003	1,305	**2006**	**1,420**
1998	1,281	2001	1,533	2004	1,463		
1999	1,489	2002	1,343	2005	1,295		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Inbound	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	**1,420**	**97**	**1,323**	**169**	**1,154**
Total coal	**105**	**—**	**105**	**105**	**—**
1100 coal & lignite	52	—	52	52	—
1200 coal coke	53	—	53	53	—
Total crude materials, inedible except fuels	**154**	**97**	**56**	**56**	**—**
Subtotal slag	**154**	**97**	**56**	**56**	**—**
4860 slag	154	97	56	56	—
Total primary manufactured goods	**1,144**	**—**	**1,144**	**—**	**1,144**
Subtotal lime, cement and glass	**1,144**	**—**	**1,144**	**—**	**1,144**
5220 cement & concrete	1,144	—	1,144	—	1,144
Total unknown or not elsewhere classified	**17**	**—**	**17**	**8**	**9**
9900 unknown or nec	17	—	17	8	9

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
1997	477	2000	370	2003	1,175	**2006**	**559**
1998	435	2001	1,227	2004	940		
1999	421	2002	1,457	2005	573		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise
			Receipts
Total, all commodities	**559**	**155**	**404**
Total coal	**377**	**—**	**377**
1100 coal & lignite	377	—	377
Total petroleum and petroleum products	**12**	**—**	**12**
Subtotal petroleum products	**12**	**—**	**12**
2540 petroleum coke	12	—	12
Total crude materials, inedible except fuels	**170**	**155**	**15**
Subtotal soil, sand, gravel, rock and stone	**61**	**46**	**15**
4322 limestone	49	34	15
4331 sand & gravel	13	13	—
Subtotal slag	**25**	**25**	**—**
4860 slag	25	25	—
Subtotal other non-metal. min.	**83**	**83**	**—**
4900 non-metal. min. nec	83	83	—

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
1997	864	2000	512	2003	548	**2006**	**618**
1998	1,075	2001	631	2004	453		
1999	493	2002	492	2005	628		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic			
		Inbound	Outbound	Total	Lakewise		Internal
					Receipts	Shipments	Shipments
Total, all commodities	**618**	**98**	**155**	**364**	**123**	**139**	**102**
Total chemicals and related products	**396**	—	**155**	**241**	—	**139**	**102**
Subtotal other chemicals and related products	**396**	—	**155**	**241**	—	**139**	**102**
3276 metallic salts	396	—	155	241	—	139	102
Total crude materials, inedible except fuels	**205**	**98**	—	**107**	**107**	—	—
Subtotal soil, sand, gravel, rock and stone	**141**	**61**	—	**80**	**80**	—	—
4322 limestone	100	21	—	80	80	—	—
4331 sand & gravel	40	40	—	—	—	—	—
Subtotal slag	**64**	**37**	—	**27**	**27**	—	—
4860 slag	64	37	—	27	27	—	—
Total primary manufactured goods	**16**	—	—	**16**	**16**	—	—
Subtotal lime, cement and glass	**16**	—	—	**16**	**16**	—	—
5210 lime	16	—	—	16	16	—	—

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
1997	2,061	2000	2,435	2003	2,545	**2006**	**2,230**
1998	1,936	2001	2,324	2004	2,684		
1999	1,925	2002	2,187	2005	2,063		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Inbound	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	**2,230**	**226**	**2,003**	**1,974**	**30**
Total coal	**1,407**	—	**1,407**	**1,407**	—
1100 coal & lignite	1,407	—	1,407	1,407	—
Total crude materials, inedible except fuels	**695**	**226**	**469**	**446**	**23**
Subtotal soil, sand, gravel, rock and stone	**424**	**55**	**369**	**347**	**23**
4322 limestone	390	21	369	347	23
4331 sand & gravel	34	34	—	—	—
Subtotal sulphur, clay and salt	**9**	—	**9**	**9**	—
4782 clay & refrac. mat.	9	—	9	9	—
Subtotal slag	**90**	—	**90**	**90**	—
4860 slag	90	—	90	90	—
Subtotal other non-metal. min.	**171**	**171**	—	—	—
4900 non-metal. min. nec	171	171	—	—	—
Total primary manufactured goods	**128**	—	**128**	**121**	**7**
Subtotal lime, cement and glass	**128**	—	**128**	**121**	**7**
5220 cement & concrete	128	—	128	121	7

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
1997	988	2000	1,555	2003	1,093	**2006**	**988**
1998	1,014	2001	1,794	2004	1,757		
1999	1,110	2002	883	2005	1,475		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	**988**	**234**	**3**	**750**	**651**	**99**
Total coal	**127**	—	—	**127**	**127**	—
1100 coal & lignite	127	—	—	127	127	—
Total crude materials, inedible except fuels	**776**	**211**	**3**	**562**	**465**	**97**
Subtotal soil, sand, gravel, rock and stone	**492**	**102**	—	**390**	**310**	**80**
4322 limestone	311	22	—	289	289	—
4331 sand & gravel	181	81	—	100	20	80
Subtotal iron ore and scrap	**3**	—	**3**	—	—	—
4420 iron & steel scrap	3	—	3	—	—	—
Subtotal slag	**172**	—	—	**172**	**155**	**17**
4860 slag	172	—	—	172	155	17
Subtotal other non-metal. min.	**108**	**108**	—	—	—	—
4900 non-metal. min. nec	108	108	—	—	—	—
Total primary manufactured goods	**85**	**23**	—	**61**	**59**	**2**
Subtotal lime, cement and glass	**85**	**23**	—	**61**	**59**	**2**
5220 cement & concrete	85	23	—	61	59	2

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
1997	398	2000	389	2003	560	**2006**	**453**
1998	476	2001	443	2004	544		
1999	453	2002	621	2005	634		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Outbound	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	**453**	**5**	**448**	**442**	**6**
Total coal	**211**	—	**211**	**211**	—
1100 coal & lignite	211	—	211	211	—
Total crude materials, inedible except fuels	**220**	**5**	**215**	**209**	**6**
Subtotal soil, sand, gravel, rock and stone	**188**	—	**188**	**188**	—
4322 limestone	188	—	188	188	—
Subtotal iron ore and scrap	**11**	**5**	**6**	—	**6**
4420 iron & steel scrap	11	5	6	—	6
Subtotal slag	**11**	—	**11**	**11**	—
4860 slag	11	—	11	11	—
Subtotal other non-metal. min.	**11**	—	**11**	**11**	—
4900 non-metal. min. nec	11	—	11	11	—
Total primary manufactured goods	**22**	—	**22**	**22**	—
Subtotal lime, cement and glass	**22**	—	**22**	**22**	—
5210 lime	22	—	22	22	—

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
1997	609	2000	735	2003	738	**2006**	**541**
1998	747	2001	1,015	2004	748		
1999	510	2002	602	2005	531		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Inbound	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	**541**	**44**	**497**	**496**	**2**
Total crude materials, inedible except fuels	**299**	**44**	**256**	**254**	**2**
Subtotal soil, sand, gravel, rock and stone	**256**	—	**256**	**254**	2
4322 limestone	181	—	181	181	—
4331 sand & gravel	64	—	64	64	—
4335 waterway improv. mat	11	—	11	9	2
Subtotal other non-metal. min.	**44**	**44**	—	—	—
4900 non-metal. min. nec	44	44	—	—	—
Total primary manufactured goods	**242**	—	**242**	**242**	—
Subtotal lime, cement and glass	**242**	—	**242**	**242**	—
5220 cement & concrete	242	—	242	242	—

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 Burham Canals.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	3,265	2000	3,539	2003	3,002	**2006**	**4,007**
1998	3,108	2001	3,373	2004	3,156		
1999	3,531	2002	3,127	2005	3,805		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total, all commodities	**1,419**	**241**	**323**	**681**	**174**
Total chemicals and related products	**0**	**0**	—	—	—
Subtotal other chemicals and related products	**0**	**0**	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—
Total crude materials, inedible except fuels	**688**	**7**	—	**681**	—
Subtotal other non-metal. min.	**688**	**7**	—	**681**	—
4900 non-metal. min. nec	688	7	—	681	—
Total primary manufactured goods	**224**	**223**	**1**	—	—
Subtotal primary iron and steel products	**201**	**201**	—	—	—
5320 i&s primary forms	81	81	—	—	—
5330 i&s plates & sheets	97	97	—	—	—
5360 i&s bars & shapes	22	22	—	—	—
5370 i&s pipe & tube	0	0	—	—	—
5390 primary i&s nec	0	0	—	—	—
Subtotal primary non-ferrous metal products	**22**	**21**	1	—	—
5429 smelted prod. nec	1	1	—	—	—
5480 fab. metal products	21	20	1	—	—
Total food and farm products	**495**	—	**321**	—	**174**
Subtotal grain	**323**	—	**267**	—	**56**
6344 corn	323	—	267	—	56
Subtotal oilseeds	**160**	—	**42**	—	**118**
6522 soybeans	160	—	42	—	118
Subtotal processed grain and animal feed	**12**	—	**12**	—	—
6747 grain mill products	12	—	12	—	—
Total all manufactured equipment, machinery and products	**11**	**10**	1	—	—
7110 machinery (not elec)	11	10	1	—	—
7210 vehicles & parts	0	0	—	—	—
7230 ships & boats	0	0	—	—	—
7600 rubber & plastic pr.	0	0	—	—	—
7900 manufac. prod. nec	0	0	—	—	—

MILWAUKEE HARBOR, WI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total unknown or not elsewhere classified	**1**	1	—	—	—
9900 unknown or nec	1	1	—	—	—

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	**2,589**	**2,545**	**14**	**2**	**26**	**2**
Total coal	**1,108**	**1,108**	—	—	—	—
1100 coal & lignite	1,108	1,108	—	—	—	—
Total petroleum and petroleum products	**183**	**183**	—	—	—	—
Subtotal petroleum products	**183**	**183**	—	—	—	—
2430 asphalt, tar & pitch	183	183	—	—	—	—
Total crude materials, inedible except fuels	**257**	**253**	**4**	—	—	—
Subtotal soil, sand, gravel, rock and stone	**86**	**82**	**4**	—	—	—
4322 limestone	79	79	—	—	—	—
4335 waterway improv. mat	7	3	4	—	—	—
Subtotal slag	**14**	**14**	—	—	—	—
4860 slag	14	14	—	—	—	—
Subtotal other non-metal. min.	**156**	**156**	—	—	—	—
4900 non-metal. min. nec	156	156	—	—	—	—
Total primary manufactured goods	**994**	**992**	**0**	**2**	—	**0**
Subtotal lime, cement and glass	**992**	**992**	—	—	—	—
5220 cement & concrete	992	992	—	—	—	—
Subtotal primary iron and steel products	**1**	—	**0**	**1**	—	**0**
5330 i&s plates & sheets	0	—	0	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	0
5390 primary i&s nec	1	—	—	1	—	—
Subtotal primary non-ferrous metal products	**1**	—	—	**1**	—	—
5480 fab. metal products	1	—	—	1	—	—
Total food and farm products	**28**	—	**2**	—	**26**	—
Subtotal grain	**14**	—	—	—	**14**	—
6241 wheat	3	—	—	—	3	—
6344 corn	11	—	—	—	11	—
Subtotal oilseeds	**14**	—	**2**	—	**12**	—
6522 soybeans	14	—	2	—	12	—
Total all manufactured equipment, machinery and products	**18**	**8**	**8**	—	—	**2**
7110 machinery (not elec)	18	8	8	—	—	2

MANITOWOC HARBOR, WI

Section Included: Outer harbor and lower 2 miles of river. Controlling and project depths: 21 feet in the Lake Approach Channel, the outer harbor, and in the river channel to the Third Railway Bridge.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	407	2000	287	2003	383	**2006**	**338**
1998	414	2001	408	2004	282		
1999	379	2002	421	2005	428		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total, all commodities	**338**	**309**	**30**
Total coal	**90**	**90**	—
1100 coal & lignite	90	90	—
Total crude materials, inedible except fuels	**41**	**11**	**30**
Subtotal soil, sand, gravel, rock and stone	**41**	**11**	**30**
4322 limestone	11	11	—
4335 waterway improv. mat	30	—	30
Total primary manufactured goods	**208**	**208**	—
Subtotal lime, cement and glass	**208**	**208**	—
5220 cement & concrete	208	208	—

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
1997	2,130	2000	1,551	2003	2,084	**2006**	**2,618**
1998	2,353	2001	2,242	2004	2,361		
1999	2,333	2002	2,078	2005	2,728		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Inbound	Inbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	**2,618**	**33**	**454**	**2,131**	**2,103**	**28**
Total coal	**1,028**	—	—	**1,028**	**1,028**	—
1100 coal & lignite	1,028	—	—	1,028	1,028	—
Total petroleum and petroleum products	**90**	—	**83**	**7**	**7**	—
Subtotal petroleum products	**90**	—	**83**	**7**	**7**	—
2330 distillate fuel oil	83	—	83	—	—	—
2430 asphalt, tar & pitch	7	—	—	7	7	—
Total chemicals and related products	**5**	—	—	**5**	**5**	—
Subtotal other chemicals and related products	**5**	—	—	**5**	**5**	—
3276 metallic salts	5	—	—	5	5	—
Total crude materials, inedible except fuels	**1,022**	**33**	**340**	**648**	**625**	**23**
Subtotal forest products, wood and chips	**17**	**17**	—	—	—	—
4189 lumber	17	17	—	—	—	—
Subtotal pulp and waste paper	**16**	**16**	—	—	—	—
4225 pulp & waste paper	16	16	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**608**	—	—	**608**	**585**	**23**
4322 limestone	608	—	—	608	585	23
Subtotal other non-metal. min.	**380**	—	**340**	**40**	**40**	—
4900 non-metal. min. nec	380	—	340	40	40	—
Total primary manufactured goods	**473**	**0**	**30**	**443**	**438**	**5**
Subtotal lime, cement and glass	**416**	—	—	**416**	**411**	**5**
5220 cement & concrete	416	—	—	416	411	5
Subtotal primary iron and steel products	**57**	—	**30**	**27**	**27**	—
5312 pig iron	57	—	30	27	27	—
Subtotal primary non-ferrous metal products	**0**	**0**	—	—	—	—
5422 aluminum	0	0	—	—	—	—
Total all manufactured equipment, machinery and products	**0**	—	—	**0**	**0**	—
7110 machinery (not elec)	0	—	—	0	0	—

ALPENA HARBOR, MI

Section Included: Lower 4,000 feet of river and private harbors north of mouth of Thunder Bay River. Controlling Depth: 21 feet in the bay section; 17 feet in river; 15 feet in turning basin. Project Depths: channel 21 feet deep from that depth in Thunder Bay to a point 2,500 feet lakeward of the lighthouse; thence 18.5 feet in river narrowing to 100-foot width at a point 700 feet upstream from the lighthouse; thence 100 feet wide and 18.5 feet deep to the Second Ave. Bridge; thence 18.5 feet deep and 75 feet wide to the upper limits of the project; a turning tasin 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
1997	2,901	2000	3,405	2003	3,000	**2006**	**3,330**
1998	3,078	2001	3,268	2004	3,275		
1999	3,947	2002	3,218	2005	3,229		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	**3,330**	**182**	**163**	**2,985**	**495**	**2,490**
Total coal	**396**	—	—	**396**	**396**	—
1100 coal & lignite	259	—	—	259	259	—
1200 coal coke	137	—	—	137	137	—
Total crude materials, inedible except fuels	**308**	**179**	**41**	**88**	**88**	—
Subtotal soil, sand, gravel, rock and stone	**70**	**10**	**41**	**18**	**18**	—
4322 limestone	70	10	41	18	18	—
Subtotal iron ore and scrap	**15**	—	—	**15**	**15**	—
4410 iron ore	15	—	—	15	15	—
Subtotal slag	**120**	**66**	—	**55**	**55**	—
4860 slag	120	66	—	55	55	—
Subtotal other non-metal. min.	**103**	**103**	—	—	—	—
4900 non-metal. min. nec	103	103	—	—	—	—
Total primary manufactured goods	**2,626**	**3**	**122**	**2,501**	**11**	**2,490**
Subtotal lime, cement and glass	**2,626**	**3**	**122**	**2,501**	**11**	**2,490**
5220 cement & concrete	2,626	3	122	2,501	11	2,490

MENOMINEE HARBOR AND RIVER, MI AND WI

Section Included: Entrance channel and lower 2.0 miles of Menominee River. Controlling and project depths: 20 feet controlling depth, 23 feet project depth in the Approach Channel; 18 feet controlling depth, 21 feet project depth in the entrance and river channels, 19 feet in the river adjacent to the Marinette Marine Corp., 12 feet to the end of the project, and 18.5 feet controlling depth, 21 feet project depth in the Turning Basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	260	2000	51	2003	356	**2006**	**411**
1998	388	2001	196	2004	401		
1999	165	2002	429	2005	342		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Inbound	Inbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	**411**	**185**	**138**	**88**	**85**	**3**
Total coal	**31**	—	—	**31**	**31**	—
1100 coal & lignite	31	—	—	31	31	—
Total crude materials, inedible except fuels	**171**	**114**	**37**	**19**	**17**	**3**
Subtotal forest products, wood and chips	**10**	**9**	**2**	—	—	—
4170 wood in the rough	3	1	2	—	—	—
4189 lumber	7	7	—	—	—	—
Subtotal pulp and waste paper	**106**	**106**	—	—	—	—
4225 pulp & waste paper	106	106	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**17**	—	—	**17**	**17**	—
4322 limestone	17	—	—	17	17	—
Subtotal iron ore and scrap	**3**	—	—	**3**	—	**3**
4420 iron & steel scrap	3	—	—	3	—	3
Subtotal other non-metal. min.	**35**	—	**35**	—	—	—
4900 non-metal. min. nec	35	—	35	—	—	—
Total primary manufactured goods	**209**	**71**	**101**	**37**	**37**	—
Subtotal primary iron and steel products	**209**	**71**	**101**	**37**	**37**	—
5312 pig iron	209	71	101	37	37	—
5360 i&s bars & shapes	0	—	—	0	0	—

SAGINAW RIVER, MI

Section Included: From the mouth of the river up to and including Sagainaw, 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
1997	5,730	2000	4,609	2003	5,404	**2006**	**4,160**
1998	5,609	2001	5,839	2004	5,516		
1999	5,290	2002	5,819	2005	5,625		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Inbound	Inbound	Outbound	Total	Lakewise Receipts	Internal Intra Downbnd
Total, all commodities	**4,160**	**6**	**1,136**	**32**	**2,985**	**2,952**	**34**
Total coal	**295**	—	—	—	**295**	**295**	—
1100 coal & lignite	295	—	—	—	295	295	—
Total petroleum and petroleum products	**208**	—	**12**	**32**	**163**	**163**	—
Subtotal petroleum products	**208**	—	**12**	**32**	**163**	**163**	—
2211 gasoline	32	—	—	32	—	—	—
2340 residual fuel oil	36	—	12	—	23	23	—
2430 asphalt, tar & pitch	140	—	—	—	140	140	—
Total chemicals and related products	**92**	—	**33**	—	**58**	**58**	—
Subtotal fertilizers	**33**	—	**33**	—	—	—	—
3130 potassic fert.	33	—	33	—	—	—	—
Subtotal other chemicals and related products	**58**	—	—	—	**58**	**58**	—
3276 metallic salts	58	—	—	—	58	58	—
Total crude materials, inedible except fuels	**2,984**	—	**614**	—	**2,369**	**2,336**	**34**
Subtotal soil, sand, gravel, rock and stone	**2,650**	—	**316**	—	**2,334**	**2,313**	**21**
4322 limestone	2,538	—	230	—	2,308	2,286	21
4323 gypsum	8	—	8	—	—	—	—
4331 sand & gravel	104	—	77	—	27	27	—
Subtotal slag	**68**	—	**45**	—	**23**	**23**	—
4860 slag	68	—	45	—	23	23	—
Subtotal other non-metal. min.	**265**	—	**253**	—	**12**	—	**12**
4900 non-metal. min. nec	265	—	253	—	12	—	12
Total primary manufactured goods	**576**	—	**476**	—	**100**	**100**	—
Subtotal lime, cement and glass	**576**	—	**476**	—	**100**	**100**	—
5210 lime	11	—	—	—	11	11	—
5220 cement & concrete	566	—	476	—	89	89	—
Total food and farm products	**6**	**6**	—	—	—	—	—
Subtotal other agricultural products	**6**	**6**	—	—	—	—	—
6861 sugar	6	6	—	—	—	—	—

Tons All Traffic (x1000) **4,160**
Total Trip-ton-miles Internal and Intraport (x1000) **243**

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
1997	79,777	2000	85,078	2003	68,067	**2006**	**77,481**
1998	84,238	2001	79,143	2004	78,241		
1999	79,910	2002	79,341	2005	77,321		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign		Canadian		
		Through		Inbound	Through	
		Upbound	Downbnd		Upbound*	Downbnd
Total, all commodities	**36,066**	**1,793**	**2,722**	**629**	**9,438**	**21,484**
Total coal	**12,928**	—	—	**48**	**4,725**	**8,155**
1100 coal & lignite	12,558	—	—	48	4,638	7,873
1200 coal coke	370	—	—	—	87	282
Total petroleum and petroleum products	**1,430**	**0**	**53**	—	**242**	**1,135**
Subtotal crude petroleum	**115**	—	—	—	—	**115**
2100 crude petroleum	115	—	—	—	—	115
Subtotal petroleum products	**1,315**	**0**	**53**	—	**242**	**1,020**
2211 gasoline	70	—	—	—	38	32
2330 distillate fuel oil	254	0	—	—	148	106
2340 residual fuel oil	156	—	—	—	50	106
2350 lube oil & greases	4	—	—	—	—	4
2430 asphalt, tar & pitch	19	—	—	—	—	19
2540 petroleum coke	811	—	53	—	6	752
Total chemicals and related products	**351**	**9**	—	—	**139**	**202**
Subtotal fertilizers	**119**	—	—	—	—	**119**
3130 potassic fert.	119	—	—	—	—	119
Subtotal other chemicals and related products	**232**	**9**	—	—	**139**	**83**
3211 acyclic hydrocarbons	3	—	—	—	—	3
3212 benzene & toluene	78	—	—	—	60	18
3219 other hydrocarbons	9	9	—	—	—	—
3260 organic comp. nec	6	—	—	—	—	6
3274 sodium hydroxide	16	—	—	—	16	—
3275 inorg. elem., oxides, & halogen salts	63	0	—	—	63	—
3276 metallic salts	56	—	—	—	—	56
Total crude materials, inedible except fuels	**14,645**	**239**	**464**	**581**	**3,546**	**9,815**
Subtotal forest products, wood and chips	**104**	**26**	—	—	—	**78**
4170 wood in the rough	1	1	—	—	—	—
4189 lumber	102	24	—	—	—	78
Subtotal pulp and waste paper	**122**	**122**	—	—	—	—
4225 pulp & waste paper	122	122	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**5,059**	—	**43**	**581**	**289**	**4,146**
4310 building stone	17	—	—	—	—	17
4322 limestone	4,003	—	—	460	194	3,349
4323 gypsum	8	—	—	—	8	—
4331 sand & gravel	1,030	—	43	121	87	779
Subtotal iron ore and scrap	**6,729**	—	**230**	—	**1,971**	**4,528**
4410 iron ore	6,724	—	230	—	1,971	4,523
4420 iron & steel scrap	5	—	—	—	—	5
Subtotal non-ferrous ores and scrap	**362**	**84**	**21**	—	**125**	**132**
4650 aluminum ore	202	84	—	—	118	—
4670 manganese ore	5	—	—	—	5	—
4690 non-ferrous ores nec	154	—	21	—	1	132
Subtotal sulphur, clay and salt	**272**	—	**170**	—	**15**	**87**
4782 clay & refrac. mat.	272	—	170	—	15	87
Subtotal slag	**333**	—	—	—	**265**	**69**
4860 slag	333	—	—	—	265	69
Subtotal other non-metal. min.	**1,664**	**7**	—	—	**882**	**775**
4900 non-metal. min. nec	1,664	7	—	—	882	775
Total primary manufactured goods	**3,552**	**1,495**	**5**	—	**775**	**1,277**
Subtotal lime, cement and glass	**1,910**	**0**	—	—	**634**	**1,276**
5220 cement & concrete	1,910	—	—	—	634	1,276
5240 glass & glass prod.	0	—	—	—	0	—
5290 misc. mineral prod.	0	0	—	—	—	—
Subtotal primary iron and steel products	**1,574**	**1,434**	—	—	**141**	—
5312 pig iron	205	71	—	—	134	—
5320 i&s primary forms	674	672	—	—	1	—
5330 i&s plates & sheets	599	599	—	—	—	—
5360 i&s bars & shapes	58	58	—	—	—	—
5370 i&s pipe & tube	28	28	—	—	—	—
5390 primary i&s nec	10	5	—	—	5	—
Subtotal primary non-ferrous metal products	**67**	**61**	**5**	—	**0**	**1**
5422 aluminum	1	0	—	—	—	1
5429 smelted prod. nec	2	2	—	—	—	—
5480 fab. metal products	65	60	5	—	0	—

ST. CLAIR RIVER, MI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian		
		Through		Inbound	Through	
		Upbound	Downbnd		Upbound*	Downbnd
Total food and farm products	**3,096**	**6**	**2,193**	**—**	**3**	**894**
Subtotal grain	**2,271**	**—**	**1,726**	**—**	**3**	**542**
6241 wheat	1,503	—	1,313	—	—	190
6344 corn	669	—	413	—	3	253
6445 oats	99	—	—	—	—	99
Subtotal oilseeds	**513**	**—**	**192**	**—**	**—**	**321**
6522 soybeans	472	—	151	—	—	321
6534 flaxseed	41	—	41	—	—	—
Subtotal vegetable products	**83**	**—**	**83**	**—**	**—**	**—**
6654 vegetables & prod.	83	—	83	—	—	—
Subtotal processed grain and animal feed	**42**	**—**	**12**	**—**	**—**	**30**
6747 grain mill products	42	—	12	—	—	30
Subtotal other agricultural products	**187**	**6**	**180**	**—**	**—**	**—**
6861 sugar	15	6	9	—	—	—
6899 farm products nec	172	—	172	—	—	—
Total all manufactured equipment, machinery and products	**44**	**23**	**8**	**—**	**7**	**7**
7110 machinery (not elec)	35	21	7	—	7	0
7120 electrical machinery	8	0	0	—	0	6
7210 vehicles & parts	1	1	—	—	—	0
7230 ships & boats	0	0	—	—	—	—
7400 manufac. wood prod.	0	—	—	—	0	—
7600 rubber & plastic pr.	0	0	—	—	—	—
7900 manufac. prod. nec	1	1	—	—	—	0
Total unknown or not elsewhere classified	**20**	**20**	**—**	**—**	**—**	**0**
9900 unknown or nec	20	20	—	—	—	0
Ton-miles (x1000)	**1,389,239**	**69,916**	**106,159**	**7,198**	**368,100**	**837,866**
Foreign & Canadian						

Commodity	Total	Domestic					
		Lakewise				Internal	
		Receipts	Shipments	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**41,415**	**9,578**	**29**	**3,514**	**28,267**	**19**	**7**
Total coal	**12,460**	**8,296**	**29**	**2,470**	**1,665**	**—**	**—**
1100 coal & lignite	12,291	8,296	29	2,462	1,504	—	—
1200 coal coke	169	—	—	8	161	—	—
Total petroleum and petroleum products	**448**	**29**	**—**	**195**	**201**	**17**	**7**
Subtotal petroleum products	**448**	**29**	**—**	**195**	**201**	**17**	**7**
2211 gasoline	79	—	—	79	—	—	—
2330 distillate fuel oil	101	29	—	45	14	7	7
2340 residual fuel oil	27	—	—	27	—	—	—
2429 naphtha & solvents	8	—	—	8	—	—	—
2430 asphalt, tar & pitch	77	—	—	33	43	—	—
2540 petroleum coke	157	—	—	3	144	10	—
Total chemicals and related products	**0**	**—**	**—**	**—**	**0**	**—**	**—**
Subtotal other chemicals and related products	**0**	**—**	**—**	**—**	**0**	**—**	**—**
3276 metallic salts	0	—	—	—	0	—	—
Total crude materials, inedible except fuels	**27,619**	**1,254**	**—**	**830**	**25,535**	**—**	**—**
Subtotal soil, sand, gravel, rock and stone	**7,797**	**1,238**	**—**	**132**	**6,427**	**—**	**—**
4322 limestone	7,273	1,238	—	132	5,903	—	—
4323 gypsum	249	—	—	—	249	—	—
4331 sand & gravel	275	—	—	—	275	—	—
Subtotal iron ore and scrap	**19,191**	**—**	**—**	**84**	**19,108**	**—**	**—**
4410 iron ore	19,154	—	—	46	19,108	—	—
4420 iron & steel scrap	38	—	—	38	—	—	—
Subtotal slag	**136**	**16**	**—**	**120**	**—**	**—**	**—**
4860 slag	136	16	—	120	—	—	—
Subtotal other non-metal. min.	**494**	**—**	**—**	**494**	**—**	**—**	**—**
4900 non-metal. min. nec	494	—	—	494	—	—	—
Total primary manufactured goods	**546**	**—**	**—**	**19**	**524**	**3**	**—**
Subtotal lime, cement and glass	**512**	**—**	**—**	**—**	**512**	**—**	**—**
5210 lime	6	—	—	—	6	—	—
5220 cement & concrete	507	—	—	—	507	—	—
Subtotal primary iron and steel products	**33**	**—**	**—**	**19**	**12**	**3**	**—**
5312 pig iron	31	—	—	19	12	—	—
5330 i&s plates & sheets	3	—	—	—	—	3	—
Subtotal primary non-ferrous metal products	**0**	**—**	**—**	**—**	**0**	**—**	**—**
5480 fab. metal products	0	—	—	—	0	—	—
Total food and farm products	**342**	**—**	**—**	**—**	**342**	**—**	**—**
Subtotal grain	**342**	**—**	**—**	**—**	**342**	**—**	**—**
6241 wheat	81	—	—	—	81	—	—
6445 oats	261	—	—	—	261	—	—

ST. CLAIR RIVER, MI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Lakewise				Internal	
		Receipts	Shipments	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total all manufactured equipment, machinery and products	**0**	—	—	—	—	—	**0**
7110 machinery (not elec)	0	—	—	—	—	—	0
Ton-miles (x1000)	**1,410,654**	**169,419**	**719**	**137,047**	**1,102,432**	**757**	**280**
Domestic							

Tons All Traffic (x1000)	**77,481**
Ton-miles All Traffic (x1000)	**2,799,893**
Total Trip-ton-miles Internal and Intraport (x1000)	**20,429**

***Includes 30 tons of Canadian upbound through in-transits.**

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
1997	1,142	2000	1,227	2003	1,213	**2006**	**1,316**
1998	1,282	2001	1,503	2004	1,362		
1999	1,357	2002	1,323	2005	1,259		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	**1,316**	**530**	**786**
Total coal	**211**	**48**	**163**
1100 coal & lignite	211	48	163
Total crude materials, inedible except fuels	**1,105**	**482**	**623**
Subtotal soil, sand, gravel, rock and stone	**1,089**	**482**	**607**
4322 limestone	969	361	607
4331 sand & gravel	121	121	—
Subtotal slag	**16**	—	**16**
4860 slag	16	—	16

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
1997	5,699	2000	5,553	2003	4,254	**2006**	**4,901**
1998	5,533	2001	4,818	2004	5,281		
1999	5,326	2002	4,506	2005	4,151		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total, all commodities	**4,901**	**4,873**	**29**
Total coal	**4,873**	**4,844**	**29**
1100 coal & lignite	4,873	4,844	29
Total petroleum and petroleum products	**29**	**29**	—
Subtotal petroleum products	**29**	**29**	—
2330 distillate fuel oil	29	29	—

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	4,001	2000	3,987	2003	3,585	**2006**	**4,019**
1998	4,252	2001	3,896	2004	4,077		
1999	3,652	2002	3,713	2005	4,225		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian Inbound	Domestic Lakewise Receipts
Total, all commodities	**4,019**	**99**	**3,920**
Total coal	**3,289**	**—**	**3,289**
1100 coal & lignite	3,289	—	3,289
Total crude materials, inedible except fuels	**730**	**99**	**631**
Subtotal soil, sand, gravel, rock and stone	**730**	**99**	**631**
4322 limestone	730	99	631

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
1997	68,211	2000	73,490	2003	58,004	**2006**	**67,007**
1998	71,970	2001	68,035	2004	66,558		
1999	67,912	2002	68,697	2005	66,767		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign Through Upbound	Foreign Through Downbnd	Canadian Through Upbound*	Canadian Through Downbnd
Total, all commodities	**34,460**	**1,793**	**2,722**	**9,248**	**20,698**
Total coal	**12,723**	**—**	**—**	**4,674**	**8,049**
1100 coal & lignite	12,354	—	—	4,587	7,767
1200 coal coke	370	—	—	87	282
Total petroleum and petroleum products	**1,187**	**0**	**53**	**69**	**1,065**
Subtotal crude petroleum	**115**	**—**	**—**	**—**	**115**
2100 crude petroleum	115	—	—	—	115
Subtotal petroleum products	**1,072**	**0**	**53**	**69**	**950**
2211 gasoline	38	—	—	38	—
2330 distillate fuel oil	116	0	—	23	92
2340 residual fuel oil	107	—	—	5	102
2430 asphalt, tar & pitch	4	—	—	—	4
2540 petroleum coke	808	—	53	3	752
Total chemicals and related products	**351**	**9**	**—**	**139**	**202**
Subtotal fertilizers	**119**	**—**	**—**	**—**	**119**
3130 potassic fert.	119	—	—	—	119
Subtotal other chemicals and related products	**232**	**9**	**—**	**139**	**83**
3211 acyclic hydrocarbons	3	—	—	—	3
3212 benzene & toluene	78	—	—	60	18
3219 other hydrocarbons	9	9	—	—	—
3260 organic comp. nec	6	—	—	—	6
3274 sodium hydroxide	16	—	—	16	—
3275 inorg. elem., oxides, & halogen salts	63	0	—	63	—
3276 metallic salts	56	—	—	—	56
Total crude materials, inedible except fuels	**13,487**	**239**	**464**	**3,580**	**9,204**
Subtotal forest products, wood and chips	**104**	**26**	**—**	**—**	**78**
4170 wood in the rough	1	1	—	—	—
4189 lumber	102	24	—	—	78
Subtotal pulp and waste paper	**122**	**122**	**—**	**—**	**—**
4225 pulp & waste paper	122	122	—	—	—
Subtotal soil, sand, gravel, rock and stone	**3,901**	**—**	**43**	**322**	**3,535**
4322 limestone	3,059	—	—	227	2,832
4323 gypsum	8	—	—	8	—
4331 sand & gravel	834	—	43	87	704
Subtotal iron ore and scrap	**6,729**	**—**	**230**	**1,971**	**4,528**
4410 iron ore	6,724	—	230	1,971	4,523
4420 iron & steel scrap	5	—	—	—	5

CHANNELS IN LAKE ST. CLAIR
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign Through Upbound	Foreign Through Downbnd	Canadian Through Upbound*	Canadian Through Downbnd
Subtotal non-ferrous ores and scrap	**362**	**84**	**21**	**125**	**132**
4650 aluminum ore	202	84	—	118	—
4670 manganese ore	5	—	—	5	—
4690 non-ferrous ores nec	154	—	21	1	132
Subtotal sulphur, clay and salt	**272**	**—**	**170**	**15**	**87**
4782 clay & refrac. mat.	272	—	170	15	87
Subtotal slag	**333**	**—**	**—**	**265**	**69**
4860 slag	333	—	—	265	69
Subtotal other non-metal. min.	**1,664**	**7**	**—**	**882**	**775**
4900 non-metal. min. nec	1,664	7	—	882	775
Total primary manufactured goods	**3,552**	**1,495**	**5**	**775**	**1,277**
Subtotal lime, cement and glass	**1,910**	**0**	**—**	**634**	**1,276**
5220 cement & concrete	1,910	—	—	634	1,276
5240 glass & glass prod.	0	—	—	0	—
5290 misc. mineral prod.	0	0	—	—	—
Subtotal primary iron and steel products	**1,574**	**1,434**	**—**	**141**	**—**
5312 pig iron	205	71	—	134	—
5320 i&s primary forms	674	672	—	1	—
5330 i&s plates & sheets	599	599	—	—	—
5360 i&s bars & shapes	58	58	—	—	—
5370 i&s pipe & tube	28	28	—	—	—
5390 primary i&s nec	10	5	—	5	—
Subtotal primary non-ferrous metal products	**67**	**61**	**5**	**0**	**1**
5422 aluminum	1	0	—	—	1
5429 smelted prod. nec	2	2	—	—	—
5480 fab. metal products	65	60	5	0	—
Total food and farm products	**3,096**	**6**	**2,193**	**3**	**894**
Subtotal grain	**2,271**	**—**	**1,726**	**3**	**542**
6241 wheat	1,503	—	1,313	—	190
6344 corn	669	—	413	3	253
6445 oats	99	—	—	—	99
Subtotal oilseeds	**513**	**—**	**192**	**—**	**321**
6522 soybeans	472	—	151	—	321
6534 flaxseed	41	—	41	—	—
Subtotal vegetable products	**83**	**—**	**83**	**—**	**—**
6654 vegetables & prod.	83	—	83	—	—
Subtotal processed grain and animal feed	**42**	**—**	**12**	**—**	**30**
6747 grain mill products	42	—	12	—	30
Subtotal other agricultural products	**187**	**6**	**180**	**—**	**—**
6861 sugar	15	6	9	—	—
6899 farm products nec	172	—	172	—	—
Total all manufactured equipment, machinery and products	**44**	**23**	**8**	**7**	**7**
7110 machinery (not elec)	35	21	7	7	0
7120 electrical machinery	8	0	0	0	6
7210 vehicles & parts	1	1	—	—	0
7230 ships & boats	0	0	—	—	—
7400 manufac. wood prod.	0	—	—	0	—
7600 rubber & plastic pr.	0	0	—	—	—
7900 manufac. prod. nec	1	1	—	—	0
Total unknown or not elsewhere classified	**20**	**20**	**—**	**—**	**0**
9900 unknown or nec	20	20	—	—	0
Ton-miles (x1000) Foreign & Canadian	**620,280**	**32,269**	**48,997**	**166,458**	**372,556**

Commodity	Total	Domestic Lakewise Through Upbound	Domestic Lakewise Through Downbnd	Domestic Internal Through Upbound	Domestic Internal Through Downbnd
Total, all commodities	**32,547**	**4,224**	**28,296**	**19**	**7**
Total coal	**4,307**	**2,614**	**1,693**	**—**	**—**
1100 coal & lignite	4,138	2,606	1,532	—	—
1200 coal coke	169	8	161	—	—
Total petroleum and petroleum products	**448**	**223**	**201**	**17**	**7**
Subtotal petroleum products	**448**	**223**	**201**	**17**	**7**
2211 gasoline	79	79	—	—	—
2330 distillate fuel oil	101	73	14	7	7
2340 residual fuel oil	27	27	—	—	—
2429 naphtha & solvents	8	8	—	—	—
2430 asphalt, tar & pitch	77	33	43	—	—
2540 petroleum coke	157	3	144	10	—
Total chemicals and related products	**0**	**—**	**0**	**—**	**—**
Subtotal other chemicals and related products	**0**	**—**	**0**	**—**	**—**
3276 metallic salts	0	—	0	—	—

CHANNELS IN LAKE ST. CLAIR
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Lakewise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	**26,903**	**1,368**	**25,535**	—	—
Subtotal soil, sand, gravel, rock and stone	**7,097**	**670**	**6,427**	—	—
4322 limestone	6,573	670	5,903	—	—
4323 gypsum	249	—	249	—	—
4331 sand & gravel	275	—	275	—	—
Subtotal iron ore and scrap	**19,191**	**84**	**19,108**	—	—
4410 iron ore	19,154	46	19,108	—	—
4420 iron & steel scrap	38	38	—	—	—
Subtotal slag	**120**	**120**	—	—	—
4860 slag	120	120	—	—	—
Subtotal other non-metal. min.	**494**	**494**	—	—	—
4900 non-metal. min. nec	494	494	—	—	—
Total primary manufactured goods	**546**	**19**	**524**	**3**	—
Subtotal lime, cement and glass	**512**	—	**512**	—	—
5210 lime	6	—	6	—	—
5220 cement & concrete	507	—	507	—	—
Subtotal primary iron and steel products	**33**	**19**	**12**	**3**	—
5312 pig iron	31	19	12	—	—
5330 l&s plates & sheets	3	—	—	3	—
Subtotal primary non-ferrous metal products	**0**	—	**0**	—	—
5480 fab. metal products	0	—	0	—	—
Total food and farm products	**342**	—	**342**	—	—
Subtotal grain	**342**	—	**342**	—	—
6241 wheat	81	—	81	—	—
6445 oats	261	—	261	—	—
Total all manufactured equipment, machinery and products	**0**	—	—	—	**0**
7110 machinery (not elec)	0	—	—	—	0
Ton-miles (x1000)	**585,844**	**76,033**	**509,333**	**349**	**129**
Domestic					

Tons All Traffic (x1000) 67,007
Ton-miles All Traffic (x1000) 1,206,124
Total Trip-ton-miles Internal and Intraport (x1000) 20,429

***Includes 30 tons of Canadian upbound through in-transits.**

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 to25 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
1997	75,939	2000	80,508	2003	63,961	**2006**	**72,729**
1998	82,842	2001	74,278	2004	72,458		
1999	75,242	2002	74,653	2005	71,915		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound	Outbound	Through		Inbound	Outbound	Through	
				Upbound	Downbnd			Upbound*	Downbnd
Total, all commodities	**38,303**	**689**	**41**	**1,793**	**2,722**	**3,099**	**549**	**10,225**	**19,185**
Total coal	**13,470**	—	**41**	—	—	**720**	**270**	**4,905**	**7,534**
1100 coal & lignite	12,881	—	—	—	—	510	247	4,841	7,284
1200 coal coke	589	—	41	—	—	210	23	64	250
Total petroleum and petroleum products	**1,457**	—	—	**0**	**53**	**74**	**257**	**82**	**992**
Subtotal crude petroleum	**115**	—	—	—	—	—	—	—	**115**
2100 crude petroleum	115	—	—	—	—	—	—	—	115
Subtotal petroleum products	**1,342**	—	—	**0**	**53**	**74**	**257**	**82**	**877**
2211 gasoline	38	—	—	—	—	—	—	38	—
2330 distillate fuel oil	128	—	—	0	—	14	12	23	78
2340 residual fuel oil	122	—	—	—	—	48	16	5	53
2430 asphalt, tar & pitch	24	—	—	—	—	4	19	0	—
2540 petroleum coke	1,030	—	—	—	53	6	210	15	746
Total chemicals and related products	**371**	**0**	—	**9**	—	—	**21**	**139**	**202**
Subtotal fertilizers	**119**	—	—	—	—	—	—	—	**119**
3130 potassic fert.	119	—	—	—	—	—	—	—	119

DETROIT RIVER, MI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound	Outbound	Through Upbound	Through Downbnd	Inbound	Outbound	Through Upbound*	Through Downbnd
Subtotal other chemicals and related products	**253**	**0**	—	**9**	—	—	**21**	**139**	**83**
3211 acyclic hydrocarbons	3	—	—	—	—	—	—	—	3
3212 benzene & toluene	78	—	—	—	—	—	—	60	18
3219 other hydrocarbons	9	0	—	9	—	—	—	—	—
3260 organic comp. nec	6	—	—	—	—	—	—	—	6
3274 sodium hydroxide	16	—	—	—	—	—	—	16	—
3275 inorg. elem., oxides, & halogen salts	83	—	—	0	—	—	21	63	—
3276 metallic salts	56	—	—	—	—	—	—	—	56
Total crude materials, inedible except fuels	**15,482**	—	—	**239**	**464**	**1,571**	—	**4,218**	**8,989**
Subtotal forest products, wood and chips	**104**	—	—	**26**	—	—	—	—	**78**
4170 wood in the rough	1	—	—	1	—	—	—	—	—
4189 lumber	102	—	—	24	—	—	—	—	78
Subtotal pulp and waste paper	**122**	—	—	**122**	—	—	—	—	—
4225 pulp & waste paper	122	—	—	122	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**4,719**	—	—	—	**43**	**300**	—	**946**	**3,430**
4322 limestone	3,601	—	—	—	—	171	—	692	2,737
4323 gypsum	8	—	—	—	—	—	—	8	—
4331 sand & gravel	1,110	—	—	—	43	129	—	245	692
Subtotal iron ore and scrap	**6,893**	—	—	—	**230**	**164**	—	**1,971**	**4,528**
4410 iron ore	6,888	—	—	—	230	164	—	1,971	4,523
4420 iron & steel scrap	5	—	—	—	—	—	—	—	5
Subtotal non-ferrous ores and scrap	**362**	—	—	**84**	**21**	—	—	**125**	**132**
4650 aluminum ore	202	—	—	84	—	—	—	118	—
4670 manganese ore	5	—	—	—	—	—	—	5	—
4690 non-ferrous ores nec	154	—	—	—	21	—	—	1	132
Subtotal sulphur, clay and salt	**286**	—	—	—	**170**	—	—	**15**	**101**
4782 clay & refrac. mat.	286	—	—	—	170	—	—	15	101
Subtotal slag	**760**	—	—	—	—	**495**	—	**265**	—
4860 slag	760	—	—	—	—	495	—	265	—
Subtotal other non-metal. min.	**2,236**	—	—	**7**	—	**612**	—	**897**	**721**
4900 non-metal. min. nec	2,236	—	—	7	—	612	—	897	721
Total primary manufactured goods	**4,265**	**688**	—	**1,495**	**5**	**735**	—	**775**	**568**
Subtotal lime, cement and glass	**1,936**	—	—	**0**	—	**735**	—	**634**	**567**
5220 cement & concrete	1,936	—	—	—	—	735	—	634	567
5240 glass & glass prod.	0	—	—	—	—	—	—	0	—
5290 misc. mineral prod.	0	—	—	0	—	—	—	—	—
Subtotal primary iron and steel products	**2,257**	**683**	—	**1,434**	—	—	—	**141**	—
5312 pig iron	205	—	—	71	—	—	—	134	—
5320 i&s primary forms	1,162	488	—	672	—	—	—	1	—
5330 i&s plates & sheets	698	99	—	599	—	—	—	—	—
5360 i&s bars & shapes	154	96	—	58	—	—	—	—	—
5370 i&s pipe & tube	28	—	—	28	—	—	—	—	—
5390 primary i&s nec	11	0	—	5	—	—	—	5	—
Subtotal primary non-ferrous metal products	**72**	**5**	—	61	**5**	**0**	—	**0**	**1**
5422 aluminum	1	—	—	0	—	—	—	—	1
5429 smelted prod. nec	2	—	—	2	—	—	—	—	—
5480 fab. metal products	69	5	—	60	5	0	—	0	—
Total food and farm products	**3,192**	—	—	**6**	**2,193**	—	—	**99**	**894**
Subtotal grain	**2,346**	—	—	—	**1,726**	—	—	**79**	**542**
6241 wheat	1,503	—	—	—	1,313	—	—	—	190
6344 corn	744	—	—	—	413	—	—	79	253
6445 oats	99	—	—	—	—	—	—	—	99
Subtotal oilseeds	**534**	—	—	—	**192**	—	—	**21**	**321**
6522 soybeans	493	—	—	—	151	—	—	21	321
6534 flaxseed	41	—	—	—	41	—	—	—	—
Subtotal vegetable products	**83**	—	—	—	**83**	—	—	—	—
6654 vegetables & prod.	83	—	—	—	83	—	—	—	—
Subtotal processed grain and animal feed	**42**	—	—	—	**12**	—	—	—	**30**
6747 grain mill products	42	—	—	—	12	—	—	—	30
Subtotal other agricultural products	**187**	—	—	**6**	**180**	—	—	—	—
6861 sugar	15	—	—	6	9	—	—	—	—
6899 farm products nec	172	—	—	—	172	—	—	—	—
Total all manufactured equipment, machinery and products	**45**	**0**	**0**	**23**	**8**	—	—	**7**	**7**
7110 machinery (not elec)	35	0	0	21	7	—	—	7	0
7120 electrical machinery	8	0	—	0	0	—	—	0	6
7210 vehicles & parts	1	—	—	1	—	—	—	—	0
7230 ships & boats	0	—	—	0	—	—	—	—	—
7400 manufac. wood prod.	0	—	—	—	—	—	—	0	—
7600 rubber & plastic pr.	0	—	—	0	—	—	—	—	—
7900 manufac. prod. nec	1	0	—	1	—	—	—	—	0
Total unknown or not elsewhere classified	**21**	**1**	—	**20**	—	—	—	—	**0**
9900 unknown or nec	21	1	—	20	—	—	—	—	0
Ton-miles Foreign & Canadian (x1000)	**1,130,112**	**14,427**	**826**	**55,574**	**84,383**	**54,735**	**8,457**	**316,969**	**594,742**

DETROIT RIVER, MI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Lakewise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	**34,211**	**12,186**	**583**	**3,995**	**17,447**
Total coal	**5,496**	**1,378**	**17**	**2,597**	**1,504**
1100 coal & lignite	5,327	1,312	9	2,597	1,409
1200 coal coke	169	66	8	—	95
Total petroleum and petroleum products	**774**	**18**	**405**	**155**	**195**
Subtotal petroleum products	**774**	**18**	**405**	**155**	**195**
2211 gasoline	79	—	—	79	—
2330 distillate fuel oil	92	—	34	45	14
2340 residual fuel oil	41	—	18	23	—
2429 naphtha & solvents	8	—	—	8	—
2430 asphalt, tar & pitch	400	12	344	—	43
2540 petroleum coke	153	6	9	—	139
Total chemicals and related products	**0**	—	—	—	**0**
Subtotal other chemicals and related products	**0**	—	—	—	**0**
3276 metallic salts	0	—	—	—	0
Total crude materials, inedible except fuels	**27,046**	**10,455**	**161**	**1,224**	**15,205**
Subtotal soil, sand, gravel, rock and stone	**7,118**	**2,165**	—	**670**	**4,283**
4322 limestone	6,573	2,123	—	670	3,780
4323 gypsum	249	—	—	—	249
4331 sand & gravel	296	43	—	—	253
Subtotal iron ore and scrap	**19,236**	**8,212**	**81**	**20**	**10,923**
4410 iron ore	19,181	8,212	27	20	10,923
4420 iron & steel scrap	54	—	54	—	—
Subtotal slag	**120**	—	**26**	**94**	—
4860 slag	120	—	26	94	—
Subtotal other non-metal. min.	**571**	**77**	**54**	**440**	—
4900 non-metal. min. nec	571	77	54	440	—
Total primary manufactured goods	**553**	**335**	—	**19**	**199**
Subtotal lime, cement and glass	**522**	**335**	—	—	**187**
5210 lime	6	—	—	—	6
5220 cement & concrete	517	335	—	—	182
Subtotal primary iron and steel products	**31**	—	—	**19**	**12**
5312 pig iron	31	—	—	19	12
Subtotal primary non-ferrous metal products	**0**	—	—	—	**0**
5480 fab. metal products	0	—	—	—	0
Total food and farm products	**342**	—	—	—	**342**
Subtotal grain	**342**	—	—	—	**342**
6241 wheat	81	—	—	—	81
6445 oats	261	—	—	—	261
Ton-miles (x1000)	**909,928**	**236,331**	**8,900**	**123,836**	**540,861**
Lakewise					

Commodity	Total	Internal				
		Outbound	Through		Intra	
		Upbound	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**214**	**17**	**3**	**7**	**88**	**101**
Total petroleum and petroleum products	**212**	**17**	—	**7**	**88**	**101**
Subtotal petroleum products	**212**	**17**	—	**7**	**88**	**101**
2330 distillate fuel oil	51	7	—	7	37	—
2340 residual fuel oil	36	—	—	—	36	—
2430 asphalt, tar & pitch	115	—	—	—	14	101
2540 petroleum coke	10	10	—	—	—	—
Total primary manufactured goods	**3**	—	**3**	—	—	—
Subtotal primary iron and steel products	**3**	—	**3**	—	—	—
5330 i&s plates & sheets	3	—	3	—	—	—
Ton-miles (x1000)	**2,606**	**182**	**89**	**212**	**354**	**1,769**
Internal						

Tons All Traffic (x1000) 72,729
Ton-miles All Traffic (x1000) 2,042,653
Total Trip-ton-miles Internal and Intraport (x1000) 20,617

***Includes 30 tons of Canadian upbound through in-transits.**

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
1997	5,689	2000	7,116	2003	3,770	**2006**	**6,250**
1998	5,882	2001	6,053	2004	4,499		
1999	8,257	2002	5,810	2005	5,705		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Inbound	Inbound	Outbound	Total	Lakewise	
						Receipts	Shipments
Total, all commodities	**6,250**	**674**	**301**	**76**	**5,199**	**5,138**	**62**
Total coal	**181**	—	**62**	**76**	**44**	**35**	**9**
1100 coal & lignite	170	—	62	65	44	35	9
1200 coal coke	11	—	—	11	—	—	—
Total chemicals and related products	**0**	**0**	—	—	—	—	—
Subtotal other chemicals and related products	**0**	**0**	—	—	—	—	—
3219 other hydrocarbons	0	0	—	—	—	—	—
Total crude materials, inedible except fuels	**5,039**	—	**213**	—	**4,826**	**4,773**	**53**
Subtotal soil, sand, gravel, rock and stone	**713**	—	**106**	—	**607**	**607**	—
4322 limestone	666	—	80	—	586	586	—
4331 sand & gravel	47	—	26	—	21	21	—
Subtotal iron ore and scrap	**4,115**	—	—	—	**4,115**	**4,089**	**27**
4410 iron ore	4,115	—	—	—	4,115	4,089	27
Subtotal slag	**133**	—	**107**	—	**26**	—	**26**
4860 slag	133	—	107	—	26	—	26
Subtotal other non-metal. min.	**77**	—	—	—	**77**	**77**	—
4900 non-metal. min. nec	77	—	—	—	77	77	—
Total primary manufactured goods	**1,029**	**673**	**26**	—	**330**	**330**	—
Subtotal lime, cement and glass	**356**	—	**26**	—	**330**	**330**	—
5220 cement & concrete	356	—	26	—	330	330	—
Subtotal primary iron and steel products	**668**	**668**	—	—	—	—	—
5320 i&s primary forms	488	488	—	—	—	—	—
5330 i&s plates & sheets	84	84	—	—	—	—	—
5360 i&s bars & shapes	96	96	—	—	—	—	—
5390 primary i&s nec	0	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	**5**	**5**	**0**	—	—	—	—
5480 fab. metal products	5	5	0	—	—	—	—
Total all manufactured equipment, machinery and products	**0**	**0**	—	—	—	—	—
7110 machinery (not elec)	0	0	—	—	—	—	—
7120 electrical machinery	0	0	—	—	—	—	—
7900 manufac. prod. nec	0	0	—	—	—	—	—
Total unknown or not elsewhere classified	**1**	**1**	—	—	—	—	—
9900 unknown or nec	1	1	—	—	—	—	—

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
1997	11,996	2000	9,243	2003	9,740	**2006**	**10,707**
1998	12,626	2001	10,036	2004	11,170		
1999	8,190	2002	10,018	2005	11,020		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic				
		Outbound	Inbound	Outbound	Total	Lakewise		Internal	
						Receipts	Shipments	Shipments	Intraport
Total, all commodities	**10,707**	**41**	**2,656**	**465**	**7,545**	**6,819**	**521**	**17**	**188**
Total coal	**2,075**	**41**	**658**	**194**	**1,182**	**1,174**	**8**	—	—
1100 coal & lignite	1,741	—	448	182	1,111	1,111	—	—	—
1200 coal coke	334	41	210	12	71	63	8	—	—

ROUGE RIVER, MI (INCLUDED IN PORT OF DETROIT)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic				
		Outbound	Inbound	Outbound	Total	Lakewise		Internal	
						Receipts	Shipments	Shipments	Intraport
Total petroleum and petroleum products	**951**	—	**74**	**250**	**628**	**18**	**405**	**17**	**188**
Subtotal petroleum products	**951**	—	**74**	**250**	**628**	**18**	**405**	**17**	**188**
2330 distillate fuel oil	105	—	14	12	78	—	34	7	37
2340 residual fuel oil	111	—	48	8	54	—	18	—	36
2430 asphalt, tar & pitch	495	—	4	19	471	12	344	—	115
2540 petroleum coke	241	—	6	210	24	6	9	10	—
Total chemicals and related products	**21**	—	—	**21**	—	—	—	—	—
Subtotal other chemicals and related products	**21**	—	—	**21**	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	21	—	—	21	—	—	—	—	—
Total crude materials, inedible except fuels	**6,946**	—	**1,216**	—	**5,730**	**5,622**	**108**	—	—
Subtotal soil, sand, gravel, rock and stone	**1,629**	—	**131**	—	**1,498**	**1,498**	—	—	—
4322 limestone	1,574	—	76	—	1,498	1,498	—	—	—
4331 sand & gravel	54	—	54	—	—	—	—	—	—
Subtotal iron ore and scrap	**4,342**	—	**164**	—	**4,178**	**4,124**	**54**	—	—
4410 iron ore	4,288	—	164	—	4,124	4,124	—	—	—
4420 iron & steel scrap	54	—	—	—	54	—	54	—	—
Subtotal slag	**388**	—	**388**	—	—	—	—	—	—
4860 slag	388	—	388	—	—	—	—	—	—
Subtotal other non-metal. min.	**587**	—	**533**	—	**54**	—	**54**	—	—
4900 non-metal. min. nec	587	—	533	—	54	—	54	—	—
Total primary manufactured goods	**714**	—	**709**	—	**5**	**5**	—	—	—
Subtotal lime, cement and glass	**714**	—	**709**	—	**5**	**5**	—	—	—
5220 cement & concrete	714	—	709	—	5	5	—	—	—

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
1997	18,135	2000	17,295	2003	14,308	**2006**	**17,352**
1998	19,454	2001	16,991	2004	16,858		
1999	16,948	2002	17,306	2005	17,448		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Total, all commodities	**4,378**	**689**	**41**	**3,099**	**549**
Total coal	**1,031**	—	**41**	**720**	**270**
1100 coal & lignite	756	—	—	510	247
1200 coal coke	275	—	41	210	23
Total petroleum and petroleum products	**331**	—	—	**74**	**257**
Subtotal petroleum products	**331**	—	—	**74**	**257**
2330 distillate fuel oil	27	—	—	14	12
2340 residual fuel oil	64	—	—	48	16
2430 asphalt, tar & pitch	24	—	—	4	19
2540 petroleum coke	216	—	—	6	210
Total chemicals and related products	**21**	**0**	—	—	**21**
Subtotal other chemicals and related products	**21**	**0**	—	—	**21**
3219 other hydrocarbons	0	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	21	—	—	—	21
Total crude materials, inedible except fuels	**1,571**	—	—	**1,571**	—
Subtotal soil, sand, gravel, rock and stone	**300**	—	—	**300**	—
4322 limestone	171	—	—	171	—
4331 sand & gravel	129	—	—	129	—
Subtotal iron ore and scrap	**164**	—	—	**164**	—
4410 iron ore	164	—	—	164	—
Subtotal slag	**495**	—	—	**495**	—
4860 slag	495	—	—	495	—
Subtotal other non-metal. min.	**612**	—	—	**612**	—
4900 non-metal. min. nec	612	—	—	612	—
Total primary manufactured goods	**1,422**	**688**	—	**735**	—
Subtotal lime, cement and glass	**735**	—	—	**735**	—
5220 cement & concrete	735	—	—	735	—
Subtotal primary iron and steel products	**683**	**683**	—	—	—
5320 i&s primary forms	488	488	—	—	—
5330 i&s plates & sheets	99	99	—	—	—
5360 i&s bars & shapes	96	96	—	—	—
5390 primary i&s nec	0	0	—	—	—

PORT OF DETROIT, MI
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound	Outbound
Subtotal primary non-ferrous metal products	**5**	5	—	**0**	—
5480 fab. metal products	5	5	—	0	—
Total all manufactured equipment, machinery and products	**1**	**0**	**0**	—	—
7110 machinery (not elec)	1	0	0	—	—
7120 electrical machinery	0	0	—	—	—
7900 manufac. prod. nec	0	0	—	—	—
Total unknown or not elsewhere classified	**1**	**1**	—	—	—
9900 unknown or nec	1	1	—	—	—

Commodity	Total	Domestic			
		Lakewise		Internal	
		Receipts	Shipments	Shipments	Intraport
Total, all commodities	**12,974**	**12,186**	**583**	**17**	**188**
Total coal	**1,395**	**1,378**	**17**	—	—
1100 coal & lignite	1,321	1,312	9	—	—
1200 coal coke	74	66	8	—	—
Total petroleum and petroleum products	**628**	**18**	**405**	**17**	**188**
Subtotal petroleum products	**628**	**18**	**405**	**17**	**188**
2330 distillate fuel oil	78	—	34	7	37
2340 residual fuel oil	54	—	18	—	36
2430 asphalt, tar & pitch	471	12	344	—	115
2540 petroleum coke	24	6	9	10	—
Total crude materials, inedible except fuels	**10,617**	**10,455**	**161**	—	—
Subtotal soil, sand, gravel, rock and stone	**2,165**	**2,165**	—	—	—
4322 limestone	2,123	2,123	—	—	—
4331 sand & gravel	43	43	—	—	—
Subtotal iron ore and scrap	**8,294**	**8,212**	**81**	—	—
4410 iron ore	8,239	8,212	27	—	—
4420 iron & steel scrap	54	—	54	—	—
Subtotal slag	**26**	—	**26**	—	—
4860 slag	26	—	26	—	—
Subtotal other non-metal. min.	131	**77**	**54**	—	—
4900 non-metal. min. nec	131	77	54	—	—
Total primary manufactured goods	**335**	**335**	—	—	—
Subtotal lime, cement and glass	**335**	**335**	—	—	—
5220 cement & concrete	335	335	—	—	—

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
1997	2,750	2000	915	2003	1,077	**2006**	**1,379**
1998	1,929	2001	766	2004	948		
1999	1,771	2002	1,008	2005	1,587		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Inbound	Lakewise Receipts
Total, all commodities	**1,379**	**43**	**1,336**
Total coal	**1,201**	—	**1,201**
1100 coal & lignite	1,186	—	1,186
1200 coal coke	15	—	15
Total petroleum and petroleum products	**175**	**40**	**135**
Subtotal petroleum products	**175**	**40**	**135**
2430 asphalt, tar & pitch	89	—	89
2540 petroleum coke	87	40	46
Total primary manufactured goods	**2**	**2**	**0**
Subtotal primary non-ferrous metal products	**2**	**2**	**0**
5480 fab. metal products	2	2	0

CALCITE, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	10,036	2000	8,475	2003	6,832	**2006**	**6,428**
1998	9,389	2001	8,317	2004	8,949		
1999	9,533	2002	8,575	2005	7,288		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	**6,428**	**41**	**931**	**5,456**	**8**	**5,448**
Total petroleum and petroleum products	**41**	**41**	—	—	—	—
Subtotal petroleum products	**41**	**41**	—	—	—	—
2330 distillate fuel oil	41	41	—	—	—	—
Total crude materials, inedible except fuels	**6,387**	—	**931**	**5,456**	**8**	**5,448**
Subtotal soil, sand, gravel, rock and stone	**6,290**	—	**931**	**5,359**	**8**	**5,351**
4322 limestone	6,290	—	931	5,359	8	5,351
Subtotal iron ore and scrap	**96**	—	—	**96**	—	**96**
4410 iron ore	96	—	—	96	—	96
Total primary manufactured goods	**0**	—	—	**0**	—	**0**
Subtotal primary non-ferrous metal products	**0**	—	—	**0**	—	**0**
5480 fab. metal products	0	—	—	0	—	0

ESCANABA, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	7,261	2000	8,647	2003	4,582	**2006**	**5,689**
1998	8,530	2001	6,980	2004	6,620		
1999	8,511	2002	4,645	2005	5,073		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic			
		Inbound	Total	Lakewise		Internal
				Receipts	Shipments	Intraport
Total, all commodities	**5,689**	**17**	**5,673**	**1,043**	**4,566**	**64**
Total coal	**322**	—	**322**	**322**	—	—
1100 coal & lignite	322	—	322	322	—	—
Total crude materials, inedible except fuels	**5,346**	**17**	**5,330**	**721**	**4,544**	**64**
Subtotal soil, sand, gravel, rock and stone	**721**	—	**721**	**721**	—	—
4322 limestone	721	—	721	721	—	—
Subtotal iron ore and scrap	**4,591**	—	**4,591**	—	**4,527**	**64**
4410 iron ore	4,591	—	4,591	—	4,527	64
Subtotal slag	**17**	—	**17**	—	**17**	—
4860 slag	17	—	17	—	17	—
Subtotal other non-metal. min.	**17**	**17**	—	—	—	—
4900 non-metal. min. nec	17	17	—	—	—	—
Total primary manufactured goods	**21**	—	**21**	—	**21**	—
Subtotal primary iron and steel products	**21**	—	**21**	—	**21**	—
5312 pig iron	21	—	21	—	21	—

STONEPORT, MI

NON-CORPS PROJECT

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	8,101	2000	7,842	2003	6,445	**2006**	**6,865**
1998	9,114	2001	8,118	2004	7,754		
1999	8,873	2002	7,455	2005	6,785		

Freight Traffic, 2006 (thousand short tons)

Commodity		Grand Total	Canadian		Domestic		
			Inbound	Outbound	Total	Lakewise	
						Receipts	Shipments
Total, all commodities		**6,865**	**21**	**90**	**6,753**	**150**	**6,604**
Total crude materials, inedible except fuels		**6,865**	**21**	**90**	**6,753**	**150**	**6,604**
Subtotal soil, sand, gravel, rock and stone		**6,865**	**21**	**90**	**6,753**	**150**	**6,604**
4322	limestone	6,853	21	90	6,741	150	6,591
4331	sand & gravel	13	—	—	13	—	13

Other Harbors and Waterways 2006

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	7230 ships & boats	0
	Total Tons(x1000)	**0**
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	0
	4170 wood in the rough	0
	4331 sand & gravel	1
	5480 fab. metal products	0
	7230 ships & boats	0
	7900 manufac. prod. nec	9
	Total Tons(x1000)	**11**
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	
CHEBOYGAN HARBOR, MI	2211 gasoline	148
	2330 distillate fuel oil	31
	2340 residual fuel oil	2
	4322 limestone	12
	7900 manufac. prod. nec	1
	Total Tons(x1000)	**193**
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	1
	2640 hydrocarbon & petrol gases, liquefied and gaseous	0
	4170 wood in the rough	0

Harbor or Waterway Project	Commodity	Thousand Short Tons
DETROIT HARBOR, WI - continued	6134 fish (not shellfish)	0
	9900 unknown or nec	5
	Total Tons(x1000)	**7**
EAGLE HARBOR, MI	No Commerce Reported	
ECORSE, MI (INCLUDED IN PORT OF DETROIT)	1200 coal coke	3
	2340 residual fuel oil	8
	4322 limestone	43
	4331 sand & gravel	71
	4900 non-metal. min. nec	78
	5330 i&s plates & sheets	15
	7110 machinery (not elec)	0
	Total Tons(x1000)	**218**
FRANKFORT HARBOR, MI	No Commerce Reported	
GLADSTONE HARBOR, MI	1100 coal & lignite	79
	2430 asphalt, tar & pitch	50
	4322 limestone	14
	4860 slag	11
	4900 non-metal. min. nec	59
	Total Tons(x1000)	**214**
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)	1100 coal & lignite	74
	Total Tons(x1000)	**74**
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	2211 gasoline	5
	2330 distillate fuel oil	0
	3220 alcohols	0
	4170 wood in the rough	0
	4189 lumber	0
	4331 sand & gravel	0
	4420 iron & steel scrap	0
	4900 non-metal. min. nec	14

Harbor or Waterway Project	Commodity	Thousand Short Tons
KEWEENAW WATERWAY, MI - continued	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7500 textile products	1
	7900 manufac. prod. nec	0
	Total Tons(x1000)	**21**
	Total Ton-miles(x1000)	**193**
	Total Trip-ton-miles Internal and Intraport (x1000)	**0**
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	0
	7900 manufac. prod. nec	9
	Total Tons(x1000)	**10**
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	4322 limestone	11
	7900 manufac. prod. nec	35
	Total Tons(x1000)	**46**
MACKINAW CITY HARBOR, MI	No Commerce Reported	
MANISTIQUE HARBOR, MI	2211 gasoline	1
	2330 distillate fuel oil	1
	Total Tons(x1000)	**1**
NEW BUFFALO HARBOR MI	No Commerce Reported	
OCONTO HARBOR, WI	No Commerce Reported	
ONTONAGON HARBOR, MI	1100 coal & lignite	231
	Total Tons(x1000)	**231**
PENSAUKEE HARBOR, WI	No Commerce Reported	
PENTWATER HARBOR, MI	No Commerce Reported	

Other Harbors and Waterways 2006 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
PORT HURON, MI (INCLUDED IN ST. CLAIR RIVER)	No Commerce Reported	
PORT SANILAC HARBOR, MI	No Commerce Reported	
PORT WASHINGTON HARBOR, WI	5480 fab. metal products	1
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	1
	Total Tons(x1000)	**2**
PORT WING HARBOR, WI	No Commerce Reported	
PUT-IN-BAY HARBOR, OH	2211 gasoline	1
	2330 distillate fuel oil	1
	4322 limestone	26
	7900 manufac. prod. nec	1
	Total Tons(x1000)	**29**
RACINE HARBOR, WI	4335 waterway improv. mat	12
	7110 machinery (not elec)	0
	Total Tons(x1000)	**12**
ROGERS CITY, MI	No Commerce Reported	
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MI	No Commerce Reported	
SAULT STE. MARIE, MI (INCLUDED IN ST. MARYS RIVER)	4900 non-metal. min. nec	61
	Total Tons(x1000)	**61**
SEBEWAING, MI	No Commerce Reported	
SHEBOYGAN HARBOR, WI	No Commerce Reported	
SOUTH HAVEN HARBOR, MI	4335 waterway improv. mat	2
	Total Tons(x1000)	**2**
ST. JAMES (BEAVER ISLAND), MI	2211 gasoline	1
	2330 distillate fuel oil	1
	9900 unknown or nec	17
	Total Tons(x1000)	**18**
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WI	4335 waterway improv. mat	1
	4420 iron & steel scrap	3
	5220 cement & concrete	3
	Total Tons(x1000)	**7**
	Total Ton-miles(x1000)	**24**

Harbor or Waterway	Commodity	Thousand Short Tons
Project		
TRAVERSE CITY HARBOR, MI	2211 gasoline	134
	2330 distillate fuel oil	15
	Total Tons(x1000)	**148**
TRENTON, MI (INCLUDED IN PORT OF DETROIT)	1100 coal & lignite	69
	Total Tons(x1000)	**69**
TWO RIVERS HARBOR, WI	No Commerce Reported	
WARROAD HARBOR, MN	No Commerce Reported	
WHITE LAKE HARBOR, MI	No Commerce Reported	
WHITEFISH POINT HARBOR, MI	No Commerce Reported	
WYANDOTTE, MI (INCLUDED IN PORT OF DETROIT)	1100 coal & lignite	98
	4322 limestone	11
	Total Tons(x1000)	**108**
Non-project		
MARBLEHEAD, OH	1100 coal & lignite	19
	4322 limestone	3,669
	4331 sand & gravel	70
	Total Tons(x1000)	**3,758**
PORT DOLOMITE, MI	4310 building stone	17
	4322 limestone	2,533
	5210 lime	32
	Total Tons(x1000)	**2,582**
PORT GYPSUM, MI	4323 gypsum	500
	Total Tons(x1000)	**500**
PORT INLAND, MI	4310 building stone	23
	4322 limestone	5,429
	4323 gypsum	10
	4331 sand & gravel	22
	4900 non-metal. min. nec	16
	5210 lime	22
	Total Tons(x1000)	**5,523**
SILVER BAY, MN	1100 coal & lignite	467
	4410 iron ore	4,722
	Total Tons(x1000)	**5,188**

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
1997	14,422	2000	13,322	2003	9,864	**2006**	**11,162**
1998	13,229	2001	10,535	2004	9,862		
1999	12,327	2002	11,115	2005	10,504		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise	Lakewise	
							Shipments	Receipts	Shipments
Total, all commodities	**11,162**	**207**	**1,088**	**4,739**	**2,834**	**2,294**	**11**	**990**	**1,292**
Total coal	**2,761**	—	—	**10**	**1,720**	**1,032**	—	**42**	**990**
1100 coal & lignite	2,743	—	—	—	1,710	1,032	—	42	990
1200 coal coke	19	—	—	10	9	—	—	—	—
Total petroleum and petroleum products	**639**	—	**6**	**17**	**249**	**368**	**11**	**130**	**226**
Subtotal petroleum products	**639**	—	**6**	**17**	**249**	**368**	**11**	**130**	**226**
2211 gasoline	258	—	6	—	162	90	11	—	79
2221 kerosene	32	—	—	—	32	—	—	—	—
2330 distillate fuel oil	85	—	—	8	27	50	—	6	45
2340 residual fuel oil	103	—	—	—	8	94	—	—	94
2429 naphtha & solvents	8	—	—	—	—	8	—	—	8
2430 asphalt, tar & pitch	51	—	—	—	20	31	—	31	—
2540 petroleum coke	103	—	—	9	—	93	—	93	—
Total chemicals and related products	**170**	**29**	—	**97**	**44**	—	—	—	—
Subtotal fertilizers	**102**	**6**	—	**97**	—	—	—	—	—
3110 nitrogenous fert.	6	6	—	—	—	—	—	—	—
3130 potassic fert.	97	—	—	97	—	—	—	—	—
Subtotal other chemicals and related products	**67**	**23**	—	—	**44**	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	44	—	—	—	44	—	—	—	—
3276 metallic salts	23	23	—	—	—	—	—	—	—
Total crude materials, inedible except fuels	**5,150**	**25**	—	**4,289**	**33**	**803**	—	**736**	**67**
Subtotal forest products, wood and chips	**94**	**16**	—	**78**	—	—	—	—	—
4189 lumber	94	16	—	78	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**882**	—	—	**762**	**29**	**90**	—	**90**	—
4322 limestone	702	—	—	612	—	90	—	90	—
4331 sand & gravel	180	—	—	151	29	—	—	—	—
Subtotal iron ore and scrap	**3,790**	—	—	**3,305**	—	**485**	—	**458**	**28**
4410 iron ore	3,790	—	—	3,305	—	485	—	458	28
Subtotal sulphur, clay and salt	**9**	**9**	—	—	—	—	—	—	—
4782 clay & refrac. mat.	9	9	—	—	—	—	—	—	—
Subtotal slag	**39**	—	—	—	—	**39**	—	—	**39**
4860 slag	39	—	—	—	—	39	—	—	39
Subtotal other non-metal. min.	**335**	—	—	**144**	**4**	**188**	—	**188**	—
4900 non-metal. min. nec	335	—	—	144	4	188	—	188	—
Total primary manufactured goods	**381**	**84**	—	**205**	—	**91**	—	**83**	**9**
Subtotal paper products	**1**	**1**	—	—	—	—	—	—	—
5120 paper & paperboard	1	1	—	—	—	—	—	—	—
Subtotal lime, cement and glass	**205**	—	—	**113**	—	**91**	—	**83**	**9**
5220 cement & concrete	205	—	—	113	—	91	—	83	9
Subtotal primary iron and steel products	**120**	**83**	—	**37**	—	—	—	—	—
5312 pig iron	46	8	—	37	—	—	—	—	—
5320 i&s primary forms	13	13	—	—	—	—	—	—	—
5330 i&s plates & sheets	40	40	—	—	—	—	—	—	—
5370 i&s pipe & tube	21	21	—	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	**55**	—	—	**55**	—	—	—	—	—
5422 aluminum	55	—	—	55	—	—	—	—	—
Total food and farm products	**2,058**	**67**	**1,082**	**121**	**788**	—	—	—	—
Subtotal grain	**1,316**	—	**680**	**121**	**515**	—	—	—	—
6241 wheat	43	—	20	23	—	—	—	—	—
6344 corn	1,175	—	659	—	515	—	—	—	—
6445 oats	99	—	—	99	—	—	—	—	—
Subtotal oilseeds	**675**	—	**402**	—	**272**	—	—	—	—
6522 soybeans	675	—	402	—	272	—	—	—	—
Subtotal other agricultural products	**67**	**67**	—	—	—	—	—	—	—
6861 sugar	67	67	—	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	**3**	**3**	—	—	—	—	—	—	—
7110 machinery (not elec)	3	3	—	—	—	—	—	—	—

KELLEYS ISLAND, OH

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	1,170	2000	798	2003	1,071	**2006**	**1,116**
1998	1,173	2001	1,050	2004	621		
1999	1,081	2002	1,289	2005	818		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Lakewise	
		Receipts	Shipments
Total, all commodities	**1,116**	**3**	**1,114**
Total crude materials, inedible except fuels	**1,116**	**3**	**1,114**
Subtotal soil, sand, gravel, rock and stone	**1,116**	**3**	**1,114**
4322 limestone	1,116	3	1,114

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
1997	4,403	2000	3,645	2003	4,183	**2006**	**3,790**
1998	4,334	2001	4,649	2004	3,404		
1999	4,898	2002	4,455	2005	3,555		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Outbound	Total	Lakewise	
				Receipts	Shipments
Total, all commodities	**3,790**	**2,103**	**1,687**	**15**	**1,672**
Total coal	**3,755**	**2,103**	**1,653**	**—**	**1,653**
1100 coal & lignite	3,755	2,103	1,653	—	1,653
Total crude materials, inedible except fuels	**34**	**—**	**34**	**15**	**19**
Subtotal soil, sand, gravel, rock and stone	**1**	**—**	**1**	**1**	**—**
4331 sand & gravel	1	—	1	1	—
Subtotal iron ore and scrap	**19**	**—**	**19**	**—**	**19**
4410 iron ore	19	—	19	—	19
Subtotal other non-metal. min.	**14**	**—**	**14**	**14**	**—**
4900 non-metal. min. nec	14	—	14	14	—

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
1997	856	2000	1,275	2003	1,291	**2006**	**845**
1998	1,192	2001	1,260	2004	860		
1999	1,154	2002	898	2005	1,032		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic
		Outbound	Lakewise Receipts
Total, all commodities	**845**	**22**	**824**
Total crude materials, inedible except fuels	**834**	**10**	**824**
Subtotal soil, sand, gravel, rock and stone	**516**	**10**	**506**
4322 limestone	506	—	506
4331 sand & gravel	10	10	—
Subtotal iron ore and scrap	**317**	—	**317**
4410 iron ore	317	—	317
Total food and farm products	**12**	**12**	—
Subtotal grain	**12**	**12**	—
6344 corn	12	12	—

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. ControllingDepths: 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 basinjust 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
1997	15,955	2000	14,180	2003	2,154	**2006**	**3,617**
1998	14,166	2001	7,865	2004	3,007		
1999	12,968	2002	6,672	2005	3,055		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Inbound	Inbound	Outbound	Total	Lakewise Receipts	Lakewise Shipments
Total, all commodities	**3,617**	**135**	**478**	**88**	**2,915**	**2,877**	**38**
Total coal	**349**	**135**	**214**	—	—	—	—
1200 coal coke	349	135	214	—	—	—	—
Total chemicals and related products	**18**	—	**18**	—	—	—	—
Subtotal fertilizers	**18**	—	**18**	—	—	—	—
3130 potassic fert.	18	—	18	—	—	—	—
Total crude materials, inedible except fuels	**3,231**	—	**247**	**88**	**2,896**	**2,877**	**20**
Subtotal soil, sand, gravel, rock and stone	**1,206**	—	**202**	**8**	**997**	**997**	—
4322 limestone	922	—	162	8	752	752	—
4323 gypsum	245	—	—	—	245	245	—
4331 sand & gravel	39	—	39	—	—	—	—
Subtotal iron ore and scrap	**1,910**	—	**10**	—	**1,899**	**1,880**	**20**
4410 iron ore	1,883	—	0	—	1,883	1,863	20
4420 iron & steel scrap	27	—	10	—	17	17	—
Subtotal sulphur, clay and salt	**24**	—	**24**	—	—	—	—
4782 clay & refrac. mat.	24	—	24	—	—	—	—
Subtotal slag	**80**	—	—	**80**	—	—	—
4860 slag	80	—	—	80	—	—	—
Subtotal other non-metal. min.	**11**	—	11	—	—	—	—
4900 non-metal. min. nec	11	—	11	—	—	—	—
Total primary manufactured goods	**19**	—	—	—	**19**	—	**19**
Subtotal primary iron and steel products	**19**	—	—	—	**19**	—	19
5312 pig iron	19	—	—	—	19	—	19
Total all manufactured equipment, machinery and products	**0**	—	**0**	—	—	—	—
7110 machinery (not elec)	0	—	0	—	—	—	—

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., Grasseli Chemical Division Dock, 18 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1997	18,113	2000	14,391	2003	12,621	**2006**	**15,187**
1998	17,865	2001	11,938	2004	15,775		
1999	15,540	2002	11,412	2005	13,641		

Freight Traffic, 2006 (thousand short tons)

Commodity	Total	Foreign	Canadian	
		Inbound*	Inbound	Outbound
Total, all commodities	**3,720**	**582**	**3,017**	**121**
Total coal	**9**	**—**	**9**	**—**
1200 coal coke	9	—	9	—
Total petroleum and petroleum products	**132**	**—**	**132**	**—**
Subtotal petroleum products	**132**	**—**	**132**	**—**
2330 distillate fuel oil	63	—	63	—
2340 residual fuel oil	69	—	69	—
Total crude materials, inedible except fuels	**2,077**	**—**	**1,956**	**121**
Subtotal soil, sand, gravel, rock and stone	**1,648**	**—**	**1,648**	**—**
4322 limestone	878	—	878	—
4331 sand & gravel	771	—	771	—
Subtotal iron ore and scrap	**176**	**—**	**176**	**—**
4410 iron ore	176	—	176	—
Subtotal slag	**78**	**—**	**78**	**—**
4860 slag	78	—	78	—
Subtotal other non-metal. min.	**174**	**—**	**53**	**121**
4900 non-metal. min. nec	174	—	53	121
Total primary manufactured goods	**1,484**	**564**	**920**	**—**
Subtotal lime, cement and glass	**904**	**—**	**904**	**—**
5220 cement & concrete	887	—	887	—
5290 misc. mineral prod.	17	—	17	—
Subtotal primary iron and steel products	**472**	**472**	**—**	**—**
5320 i&s primary forms	181	181	—	—
5330 i&s plates & sheets	248	248	—	—
5360 i&s bars & shapes	35	35	—	—
5370 i&s pipe & tube	7	7	—	—
5390 primary i&s nec	0	0	—	—
Subtotal primary non-ferrous metal products	**108**	**92**	**16**	**—**
5429 smelted prod. nec	1	1	—	—
5480 fab. metal products	108	92	16	—
Total all manufactured equipment, machinery and products	**1**	**1**	**0**	**—**
7110 machinery (not elec)	1	1	0	—
7120 electrical machinery	0	0	—	—
7900 manufac. prod. nec	0	0	—	—
Total unknown or not elsewhere classified	**17**	**17**	**—**	**—**
9900 unknown or nec	17	17	—	—

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	**11,467**	**7,299**	**836**	**7**	**3**	**3,322**
Total coal	**80**	**80**	**—**	**—**	**—**	**—**
1200 coal coke	80	80	—	—	—	—
Total petroleum and petroleum products	**213**	**185**	**21**	**7**	**—**	**—**
Subtotal petroleum products	**213**	**185**	**21**	**7**	**—**	**—**
2330 distillate fuel oil	20	14	—	7	—	—
2340 residual fuel oil	86	86	—	—	—	—
2430 asphalt, tar & pitch	102	81	21	—	—	—
2540 petroleum coke	5	5	—	—	—	—
Total chemicals and related products	**0**	**0**	**—**	**—**	**—**	**—**
Subtotal other chemicals and related products	**0**	**0**	**—**	**—**	**—**	**—**
3276 metallic salts	0	0	—	—	—	—

CLEVELAND HARBOR, OH
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Lakewise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total crude materials, inedible except fuels	**11,064**	**6,934**	**808**	—	—	**3,322**
Subtotal soil, sand, gravel, rock and stone	**3,068**	**2,938**	**118**	—	—	**11**
4322 limestone	2,886	2,758	117	—	—	11
4331 sand & gravel	181	180	1	—	—	—
Subtotal iron ore and scrap	**7,128**	**3,938**	—	—	—	**3,190**
4410 iron ore	7,128	3,938	—	—	—	3,190
Subtotal slag	**55**	—	**55**	—	—	—
4860 slag	55	—	55	—	—	—
Subtotal other non-metal. min.	**814**	**57**	**635**	—	—	**122**
4900 non-metal. min. nec	814	57	635	—	—	122
Total primary manufactured goods	**110**	**99**	**7**	—	**3**	—
Subtotal lime, cement and glass	**95**	**88**	**7**	—	—	—
5220 cement & concrete	95	88	7	—	—	—
Subtotal primary iron and steel products	**15**	**12**	—	—	**3**	—
5312 pig iron	12	12	—	—	—	—
5330 i&s plates & sheets	3	—	—	—	3	—

***Includes 13,436 tons of foreign inbound in-transits.**

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
1997	3,296	2000	2,539	2003	2,526	**2006**	**2,411**
1998	2,880	2001	2,942	2004	2,772		
1999	2,553	2002	2,326	2005	2,452		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic			
		Inbound	Outbound	Total	Lakewise		Internal
					Receipts	Shipments	Intraport
Total, all commodities	**2,411**	**441**	**366**	**1,605**	**1,390**	**204**	**10**
Total coal	**23**	—	**23**	—	—	—	—
1100 coal & lignite	23	—	23	—	—	—	—
Total crude materials, inedible except fuels	**2,388**	**441**	**343**	**1,605**	**1,390**	**204**	**10**
Subtotal soil, sand, gravel, rock and stone	**1,822**	**389**	**12**	**1,421**	**1,390**	**21**	**10**
4322 limestone	1,694	356	—	1,338	1,328	—	10
4331 sand & gravel	128	33	12	83	62	21	—
Subtotal sulphur, clay and salt	**52**	**52**	—	—	—	—	—
4782 clay & refrac. mat.	52	52	—	—	—	—	—
Subtotal other non-metal. min.	**514**	—	**331**	**183**	—	**183**	—
4900 non-metal. min. nec	514	—	331	183	—	183	—

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 tasin, 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
1997	11,929	2000	12,322	2003	10,427	**2006**	**6,822**
1998	15,602	2001	10,934	2004	10,938		
1999	10,495	2002	9,838	2005	9,714		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic		
		Inbound	Inbound	Outbound	Total	Lakewise	
						Receipts	Shipments
Total, all commodities	**6,822**	**169**	**296**	**4,051**	**2,307**	**1,804**	**503**
Total coal	**4,873**	—	**9**	**4,051**	**813**	**311**	**503**
1100 coal & lignite	4,873	—	9	4,051	813	311	503
Total chemicals and related products	**4**	—	**4**	—	—	—	—
Subtotal fertilizers	**4**	—	**4**	—	—	—	—
3130 potassic fert.	4	—	4	—	—	—	—
Total crude materials, inedible except fuels	**1,944**	**169**	**282**	—	**1,493**	**1,493**	—
Subtotal soil, sand, gravel, rock and stone	**487**	—	—	—	**487**	**487**	—
4322 limestone	473	—	—	—	473	473	—
4323 gypsum	15	—	—	—	15	15	—
Subtotal iron ore and scrap	**994**	—	—	—	**994**	**994**	—
4410 iron ore	994	—	—	—	994	994	—
Subtotal non-ferrous ores and scrap	**248**	**165**	**83**	—	—	—	—
4680 non-ferrous scrap	248	165	83	—	—	—	—
Subtotal sulphur, clay and salt	**4**	**4**	—	—	—	—	—
4782 clay & refrac. mat.	4	4	—	—	—	—	—
Subtotal slag	**121**	—	**121**	—	—	—	—
4860 slag	121	—	121	—	—	—	—
Subtotal other non-metal. min.	**90**	—	**78**	—	**13**	**13**	—
4900 non-metal. min. nec	90	—	78	—	13	13	—
Total primary manufactured goods	**2**	—	**2**	—	—	—	—
Subtotal primary iron and steel products	**2**	—	**2**	—	—	—	—
5312 pig iron	2	—	2	—	—	—	—

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
1997	6,205	2000	10,603	2003	6,705	**2006**	**7,368**
1998	7,786	2001	10,485	2004	8,027		
1999	8,868	2002	10,474	2005	7,405		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total, all commodities	**7,368**	**137**	**2,627**	**4,605**	**3,767**	**838**
Total coal	**3,334**	—	**2,507**	**827**	—	**827**
1100 coal & lignite	3,271	—	2,444	827	—	827
1200 coal coke	63	—	63	—	—	—
Total crude materials, inedible except fuels	**4,029**	**137**	**119**	**3,772**	**3,761**	**11**
Subtotal soil, sand, gravel, rock and stone	**520**	—	**119**	**400**	**389**	**11**
4322 limestone	389	—	—	389	389	—
4323 gypsum	130	—	119	11	—	11
Subtotal iron ore and scrap	**3,479**	**107**	—	**3,372**	**3,372**	—
4410 iron ore	3,372	—	—	3,372	3,372	—
4420 iron & steel scrap	107	107	—	—	—	—
Subtotal other non-metal. min.	**31**	**31**	—	—	—	—
4900 non-metal. min. nec	31	31	—	—	—	—

CONNEAUT HARBOR, OH
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Canadian		Domestic		
		Inbound	Outbound	Total	Lakewise	
					Receipts	Shipments
Total primary manufactured goods	**6**	—	—	**6**	**6**	—
Subtotal lime, cement and glass	**6**	—	—	**6**	**6**	—
5210 lime	6	—	—	6	6	—

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
1997	1,163	2000	1,501	2003	1,121	**2006**	**1,074**
1998	1,296	2001	1,159	2004	1,100		
1999	1,136	2002	1,362	2005	1,066		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic
		Inbound	Outbound	Lakewise
				Receipts
Total, all commodities	**1,074**	**175**	**1**	**898**
Total crude materials, inedible except fuels	**1,073**	**175**	—	**898**
Subtotal soil, sand, gravel, rock and stone	**1,043**	**175**	—	**869**
4322 limestone	829	124	—	705
4331 sand & gravel	214	51	—	164
Subtotal other non-metal. min.	**29**	—	—	**29**
4900 non-metal. min. nec	29	—	—	29
Total all manufactured equipment, machinery and products	**1**	—	**1**	—
7900 manufac. prod. nec	1	—	1	—

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
1997	1,631	2000	1,769	2003	1,117	**2006**	**1,345**
1998	2,072	2001	959	2004	1,206		
1999	1,804	2002	1,288	2005	1,386		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Inbound	Outbound	Inbound	Outbound	Lakewise
						Receipts
Total, all commodities	**1,345**	**15**	**1**	**269**	**385**	**674**
Total coal	**521**	—	—	**135**	**385**	—
1100 coal & lignite	521	—	—	135	385	—
Total crude materials, inedible except fuels	**315**	—	—	—	—	**315**
Subtotal soil, sand, gravel, rock and stone	**315**	—	—	—	—	**315**
4322 limestone	233	—	—	—	—	233
4331 sand & gravel	82	—	—	—	—	82
Total primary manufactured goods	**124**	**0**	—	**106**	—	**17**
Subtotal lime, cement and glass	**124**	—	—	**106**	—	**17**
5220 cement & concrete	124	—	—	106	—	17
Subtotal primary non-ferrous metal products	**0**	**0**	—	—	—	—
5480 fab. metal products	0	0	—	—	—	—

BUFFALO HARBOR, NY (INCLUDED IN PORT OF BUFFALO)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Inbound	Outbound	Inbound	Outbound	Lakewise Receipts
Total food and farm products	**385**	**15**	**—**	**27**	**—**	**342**
Subtotal grain	**385**	**15**	**—**	**27**	**—**	**342**
6241 wheat	124	15	—	27	—	81
6445 oats	261	—	—	—	—	261
Total all manufactured equipment, machinery and products	**1**	**—**	**1**	**—**	**—**	**—**
7110 machinery (not elec)	1	—	1	—	—	—

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
1997	1,894	2000	2,169	2003	1,427	**2006**	**1,558**
1998	2,341	2001	1,215	2004	1,592		
1999	2,075	2002	1,686	2005	1,611		

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Inbound	Outbound	Inbound	Outbound	Total	Lakewise Receipts	Internal Intraport
Total, all commodities	**1,558**	**15**	**1**	**277**	**385**	**880**	**876**	**4**
Total coal	**579**	**—**	**—**	**135**	**385**	**58**	**58**	**—**
1100 coal & lignite	579	—	—	135	385	58	58	—
Total petroleum and petroleum products	**155**	**—**	**—**	**8**	**—**	**147**	**143**	**4**
Subtotal petroleum products	**155**	**—**	**—**	**8**	**—**	**147**	**143**	**4**
2340 residual fuel oil	8	—	—	8	—	—	—	—
2430 asphalt, tar & pitch	147	—	—	—	—	147	143	4
Total crude materials, inedible except fuels	**315**	**—**	**—**	**—**	**—**	**315**	**315**	**—**
Subtotal soil, sand, gravel, rock and stone	**315**	**—**	**—**	**—**	**—**	**315**	**315**	**—**
4322 limestone	233	—	—	—	—	233	233	—
4331 sand & gravel	82	—	—	—	—	82	82	—
Total primary manufactured goods	**124**	**0**	**—**	**106**	**—**	**17**	**17**	**—**
Subtotal lime, cement and glass	**124**	**—**	**—**	**106**	**—**	**17**	**17**	**—**
5220 cement & concrete	124	—	—	106	—	17	17	—
Subtotal primary non-ferrous metal products	**0**	**0**	**—**	**—**	**—**	**—**	**—**	**—**
5480 fab. metal products	0	0	—	—	—	—	—	—
Total food and farm products	**385**	**15**	**—**	**27**	**—**	**342**	**342**	**—**
Subtotal grain	**385**	**15**	**—**	**27**	**—**	**342**	**342**	**—**
6241 wheat	124	15	—	27	—	81	81	—
6445 oats	261	—	—	—	—	261	261	—
Total all manufactured equipment, machinery and products	**1**	**—**	**1**	**—**	**—**	**—**	**—**	**—**
7110 machinery (not elec)	1	—	1	—	—	—	—	—

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
1997	640	2000	589	2003	715	**2006**	**633**
1998	471	2001	393	2004	856		
1999	805	2002	324	2005	670		

Freight Traffic, 2006 (thousand short tons)

Commodity		Grand Total	Foreign Inbound	Canadian Inbound	Domestic Lakewise Receipts
Total, all commodities		**633**	**15**	**600**	**18**
Total petroleum and petroleum products		**239**	—	**221**	**18**
Subtotal petroleum products		**239**	—	**221**	**18**
2340	residual fuel oil	123	—	123	—
2430	asphalt, tar & pitch	18	—	—	18
2540	petroleum coke	98	—	98	—
Total crude materials, inedible except fuels		**29**	—	**29**	—
Subtotal other non-metal. min.		**29**	—	**29**	—
4900	non-metal. min. nec	29	—	29	—
Total primary manufactured goods		**360**	**9**	**350**	—
Subtotal lime, cement and glass		**336**	—	**336**	—
5220	cement & concrete	336	—	336	—
Subtotal primary non-ferrous metal products		**23**	**9**	**14**	—
5422	aluminum	14	—	14	—
5480	fab. metal products	9	9	—	—
Total all manufactured equipment, machinery and products		**5**	**5**	—	—
7110	machinery (not elec)	4	4	—	—
7900	manufac. prod. nec	1	1	—	—

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	
NIAGARA FALLS, NY	No Commerce Reported	
NIAGARA RIVER, NY (INCLUDED IN PORT OF BUFFALO)	1100 coal & lignite	58
	2340 residual fuel oil	8
	2430 asphalt, tar & pitch	147
	Total Tons(x1000)	**213**
	Total Ton-miles(x1000)	**1,533**
	Total Trip-ton-miles Internal and Intraport (x1000)	**4**
OGDENSBURG HARBOR, NY	4900 non-metal. min. nec	157
	Total Tons(x1000)	**157**
PORT CLINTON HARBOR, OH	No Commerce Reported	
ROCHESTER (CHARLOTTE) HARBOR, NY	5220 cement & concrete	164
	Total Tons(x1000)	**164**
SACKETS HARBOR, NY	2211 gasoline	0
	3211 acyclic hydrocarbons	0
	4189 lumber	0
	5290 misc. mineral prod.	0
	5330 i&s plates & sheets	0
	5422 aluminum	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	**0**
TONAWANDA HARBOR, NY (INCLUDED IN PORT OF BUFFALO) (PRINT ONLY)	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
1997	38,619	2000	41,491	2003	39,494	**2006**	**37,550**
1998	38,641*	2001	40,333	2004	40,209		
1999	40,685	2002	40,204	2005	38,395		

*Revised after original year of publication

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**37,550**	**7,215**	**720**	**2,386**	**15,080**	**7,796**	**2,991**	**1,243**	**118**
Total coal	**3,395**	**1,135**	—	**2**	**13**	**943**	**86**	**1,212**	**4**
1100 coal & lignite	2,576	1,127	—	—	2	229	2	1,212	4
1200 coal coke	819	8	—	2	11	714	85	—	—
Total petroleum and petroleum products	**5,591**	**972**	**153**	**780**	**1,898**	**722**	**936**	**18**	**112**
Subtotal crude petroleum	**20**	**20**	—	—	—	—	—	—	—
2100 crude petroleum	20	20	—	—	—	—	—	—	—
Subtotal petroleum products	**5,571**	**952**	**153**	**780**	**1,898**	**722**	**936**	**18**	**112**
2211 gasoline	176	39	—	—	27	108	5	—	—
2221 kerosene	35	17	18	—	—	—	—	—	—
2330 distillate fuel oil	1,067	88	90	10	427	194	257	—	—
2340 residual fuel oil	759	44	—	90	417	82	79	7	41
2350 lube oil & greases	227	120	8	—	9	90	—	—	—
2429 naphtha & solvents	440	182	7	10	126	86	28	—	—
2430 asphalt, tar & pitch	1,141	125	—	140	548	88	168	12	60
2540 petroleum coke	1,364	9	31	529	337	57	390	—	11
2640 hydrocarbon & petrol gases, liquefied and gaseous	11	—	—	—	—	11	—	—	—
2990 petro. products nec	348	328	—	—	7	6	8	—	—
Total chemicals and related products	**4,021**	**2,198**	**60**	**105**	**404**	**1,034**	**214**	**6**	—
Subtotal fertilizers	**967**	**880**	—	—	1	83	—	2	—
3110 nitrogenous fert.	538	463	—	—	1	72	—	2	—
3120 phosphatic fert.	32	27	—	—	—	5	—	—	—
3130 potassic fert.	127	126	—	—	—	1	—	—	—
3190 fert. & mixes nec	270	265	—	—	—	5	—	—	—
Subtotal other chemicals and related products	**3,055**	**1,318**	**60**	**105**	**403**	**951**	**214**	**4**	—
3211 acyclic hydrocarbons	33	33	—	—	—	—	—	—	—
3212 benzene & toluene	119	7	—	—	10	48	55	—	—
3219 other hydrocarbons	735	656	23	—	—	37	19	—	—
3220 alcohols	1,142	70	37	105	389	401	139	—	—
3260 organic comp. nec	30	16	—	—	3	11	—	—	—
3273 ammonia	356	352	—	—	—	—	—	4	—
3274 sodium hydroxide	421	30	—	—	—	391	—	—	—
3275 inorg. elem., oxides, & halogen salts	60	16	—	—	—	44	—	—	—
3276 metallic salts	48	39	—	—	1	8	—	—	—
3279 inorganic chem. nec	70	66	—	—	—	5	—	—	—
3297 chemical additives	3	—	—	—	—	3	1	—	—
3299 chem. products nec	36	33	—	—	—	3	—	—	—
Total crude materials, inedible except fuels	**5,901**	**1,045**	**330**	**1,498**	**97**	**1,770**	**1,153**	**7**	—
Subtotal forest products, wood and chips	**306**	**191**	—	—	—	**115**	—	—	—
4161 wood chips	303	189	—	—	—	113	—	—	—
4190 forest products nec	3	1	—	—	—	2	—	—	—
Subtotal pulp and waste paper	**4**	**4**	—	—	—	—	—	—	—
4225 pulp & waste paper	4	4	—	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**2,477**	**299**	**320**	**1,487**	**16**	**349**	—	**7**	—
4322 limestone	78	52	—	—	—	26	—	—	—
4323 gypsum	284	—	—	—	6	278	—	—	—
4331 sand & gravel	2,109	247	320	1,487	9	40	—	7	—
4335 waterway improv. mat	5	—	—	—	—	5	—	—	—
Subtotal iron ore and scrap	**1,338**	**134**	**11**	**10**	**82**	**275**	**826**	—	—
4410 iron ore	302	5	—	—	—	238	59	—	—
4420 iron & steel scrap	1,036	129	11	10	82	37	767	—	—
Subtotal non-ferrous ores and scrap	**108**	**32**	—	—	—	**76**	—	—	—
4650 aluminum ore	38	17	—	—	—	21	—	—	—
4670 manganese ore	54	11	—	—	—	43	—	—	—
4690 non-ferrous ores nec	16	4	—	—	—	12	—	—	—
Subtotal sulphur, clay and salt	**151**	**11**	—	—	—	**140**	—	—	—
4782 clay & refrac. mat.	151	11	—	—	—	140	—	—	—
Subtotal slag	**443**	**13**	—	**2**	—	**101**	**327**	—	—
4860 slag	443	13	—	2	—	101	327	—	—
Subtotal other non-metal. min.	**1,075**	**361**	—	—	—	**715**	—	—	—
4900 non-metal. min. nec	1,075	361	—	—	—	715	—	—	—
Total primary manufactured goods	**5,539**	**1,767**	**164**	**1**	**112**	**3,191**	**304**	—	—
Subtotal lime, cement and glass	**1,365**	**498**	—	**1**	**3**	**769**	**92**	—	—
5220 cement & concrete	1,363	498	—	1	3	768	92	—	—
5290 misc. mineral prod.	2	—	—	—	—	2	—	—	—

ILLINOIS RIVER, IL (INCLUDED IN THE ILLINOIS WATERWAY CONSOLIDATED)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal primary iron and steel products	**3,957**	**1,254**	**160**	**—**	**107**	**2,225**	**211**	**—**	**—**
5312 pig iron	1,926	1,143	—	—	—	784	—	—	—
5315 ferro alloys	187	7	—	—	—	180	1	—	—
5320 i&s primary forms	68	8	1	—	2	57	—	—	—
5330 i&s plates & sheets	951	53	103	—	6	631	157	—	—
5360 i&s bars & shapes	380	15	1	—	94	268	1	—	—
5370 i&s pipe & tube	8	—	—	—	—	8	—	—	—
5390 primary i&s nec	437	28	54	—	5	297	53	—	—
Subtotal primary non-ferrous metal products	**215**	**13**	**4**	**—**	**2**	**197**	**—**	**—**	**—**
5422 aluminum	18	—	—	—	—	18	—	—	—
5429 smelted prod. nec	47	—	—	—	2	45	—	—	—
5480 fab. metal products	151	13	4	—	—	134	—	—	—
Subtotal primary wood products	**2**	**2**	**—**	**—**	**—**	**—**	**—**	**—**	**—**
5540 primary wood prod.	2	2	—	—	—	—	—	—	—
Total food and farm products	**13,048**	**93**	**—**	**—**	**12,551**	**132**	**270**	**—**	**2**
Subtotal grain	**9,384**	**8**	**—**	**—**	**9,166**	**—**	**208**	**—**	**2**
6241 wheat	167	—	—	—	119	—	47	—	—
6344 corn	9,217	8	—	—	9,046	—	161	—	2
Subtotal oilseeds	**2,371**	**29**	**—**	**—**	**2,287**	**29**	**25**	**—**	**—**
6522 soybeans	2,312	—	—	—	2,287	—	25	—	—
6590 oilseeds nec	59	29	—	—	—	29	—	—	—
Subtotal vegetable products	**34**	**1**	**—**	**—**	**11**	**21**	**—**	**—**	**—**
6653 vegetable oils	27	1	—	—	4	21	—	—	—
6654 vegetables & prod.	7	—	—	—	7	—	—	—	—
Subtotal processed grain and animal feed	**1,092**	**2**	**—**	**—**	**1,060**	**—**	**31**	**—**	**—**
6747 grain mill products	38	—	—	—	38	—	—	—	—
6782 animal feed, prep.	1,054	2	—	—	1,022	—	31	—	—
Subtotal other agricultural products	**167**	**52**	**—**	**—**	**28**	**82**	**6**	**—**	**—**
6861 sugar	77	—	—	—	—	77	—	—	—
6865 molasses	63	52	—	—	—	4	6	—	—
6885 alcoholic beverages	28	—	—	—	28	—	—	—	—
Total all manufactured equipment, machinery and products	**54**	**5**	**12**	**—**	**6**	**4**	**28**	**—**	**—**
7110 machinery (not elec)	19	4	12	—	—	2	0	—	—
7500 textile products	1	1	—	—	—	—	—	—	—
7600 rubber & plastic pr.	15	—	—	—	5	—	10	—	—
7800 empty containers	18	—	—	—	—	—	18	—	—
7900 manufac. prod. nec	2	—	—	—	1	1	—	—	—
Ton-miles (x1000)	**7,498,992**	**1,281,960**	**59,819**	**115,472**	**2,780,973**	**2,268,553**	**870,467**	**111,826**	**9,922**

Tons All Traffic (x1000) 37,550
Ton-miles All Traffic (x1000) 7,498,992
Total Trip-ton-miles Internal and Intraport (x1000) 38,400,313

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
1997	10,041	2000	8,007	2003	6,576	**2006**	**7,716**
1998	8,808*	2001	6,022	2004	8,560		
1999	7,449	2002	6,749	2005	8,483		

*Revised after original year of publication

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**7,716**	**411**	**30**	**5,439**	**1,836**
Total coal	**939**	**—**	**—**	**934**	**5**
1100 coal & lignite	226	—	—	225	2
1200 coal coke	713	—	—	710	3
Total petroleum and petroleum products	**1,513**	**118**	**8**	**1,092**	**295**
Subtotal petroleum products	**1,513**	**118**	**8**	**1,092**	**295**
2211 gasoline	94	83	—	6	5
2330 distillate fuel oil	130	24	—	58	48
2340 residual fuel oil	56	—	—	56	—
2350 lube oil & greases	8	—	8	—	—
2429 naphtha & solvents	22	—	—	8	14
2430 asphalt, tar & pitch	98	—	—	20	78

CALUMET-SAG CHANNEL, IL (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)
Freight Traffic, 2006 - continued
(thousand short tons)

	Commodity	Grand Total	Internal			
			Inbound	Outbound	Through	
			Upbound	Downbnd	Upbound	Downbnd
2540	petroleum coke	1,080	—	—	933	146
2640	hydrocarbon & petrol gases, liquefied and gaseous	11	11	—	—	—
2990	petro. products nec	14	—	—	10	4
	Total chemicals and related products	**383**	**155**	**17**	**147**	**64**
	Subtotal fertilizers	**80**	**1**	**—**	**78**	**—**
3110	nitrogenous fert.	69	1	—	67	—
3120	phosphatic fert.	5	—	—	5	—
3130	potassic fert.	1	—	—	1	—
3190	fert. & mixes nec	5	—	—	5	—
	Subtotal other chemicals and related products	**303**	**154**	**17**	**68**	**64**
3219	other hydrocarbons	3	—	—	3	—
3220	alcohols	242	152	17	35	38
3275	inorg. elem., oxides, & halogen salts	19	—	—	19	—
3276	metallic salts	29	—	—	3	26
3279	inorganic chem. nec	5	—	—	5	—
3297	chemical additives	1	1	—	—	—
3299	chem. products nec	3	—	—	3	—
	Total crude materials, inedible except fuels	**1,863**	**128**	**—**	**1,012**	**723**
	Subtotal forest products, wood and chips	**8**	**—**	**—**	**8**	**—**
4161	wood chips	6	—	—	6	—
4190	forest products nec	2	—	—	2	—
	Subtotal soil, sand, gravel, rock and stone	**442**	**119**	**—**	**321**	**2**
4322	limestone	19	—	—	19	—
4323	gypsum	278	—	—	278	—
4331	sand & gravel	139	119	—	19	2
4335	waterway improv. mat	5	—	—	5	—
	Subtotal iron ore and scrap	**673**	**—**	**—**	**274**	**398**
4410	iron ore	297	—	—	238	59
4420	iron & steel scrap	376	—	—	37	339
	Subtotal non-ferrous ores and scrap	**76**	**—**	**—**	**76**	**—**
4650	aluminum ore	21	—	—	21	—
4670	manganese ore	43	—	—	43	—
4690	non-ferrous ores nec	12	—	—	12	—
	Subtotal sulphur, clay and salt	**140**	**—**	**—**	**140**	**—**
4782	clay & refrac. mat.	140	—	—	140	—
	Subtotal slag	**424**	**—**	**—**	**101**	**323**
4860	slag	424	—	—	101	323
	Subtotal other non-metal. min.	**101**	**9**	**—**	**92**	**—**
4900	non-metal. min. nec	101	9	—	92	—
	Total primary manufactured goods	**2,655**	**9**	**—**	**2,142**	**504**
	Subtotal lime, cement and glass	**205**	**8**	**—**	**66**	**131**
5220	cement & concrete	203	8	—	65	131
5290	misc. mineral prod.	2	—	—	2	—
	Subtotal primary iron and steel products	**2,299**	**2**	**—**	**1,928**	**370**
5312	pig iron	786	2	—	785	—
5315	ferro alloys	177	—	—	176	1
5320	i&s primary forms	58	—	—	57	1
5330	i&s plates & sheets	774	—	—	514	260
5360	i&s bars & shapes	147	—	—	145	2
5390	primary i&s nec	356	—	—	251	105
	Subtotal primary non-ferrous metal products	**152**	**—**	**—**	**147**	**4**
5422	aluminum	4	—	—	4	—
5429	smelted prod. nec	23	—	—	23	—
5480	fab. metal products	124	—	—	120	4
	Total food and farm products	**337**	**—**	**6**	**109**	**222**
	Subtotal grain	**200**	**—**	**—**	**—**	**200**
6241	wheat	47	—	—	—	47
6344	corn	153	—	—	—	153
	Subtotal oilseeds	**51**	**—**	**—**	**29**	**22**
6522	soybeans	22	—	—	—	22
6590	oilseeds nec	29	—	—	29	—
	Subtotal vegetable products	**21**	**—**	**—**	**21**	**—**
6653	vegetable oils	21	—	—	21	—
	Subtotal other agricultural products	**64**	**—**	**6**	**58**	**—**
6861	sugar	54	—	—	54	—
6865	molasses	10	—	6	4	—
	Total all manufactured equipment, machinery and products	**26**	**—**	**—**	**4**	**22**
7110	machinery (not elec)	14	—	—	2	12
7600	rubber & plastic pr.	10	—	—	—	10
7900	manufac. prod. nec	1	—	—	1	—
	Ton-miles (x1000)	**180,549**	**5,518**	**428**	**130,533**	**44,071**

Tons All Traffic (x1000)	**7,716**
Ton-miles All Traffic (x1000)	**180,549**
Total Trip-ton-miles Internal and Intraport (x1000)	**7,464,221**

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
1997	18,900	2000	17,983	2003	19,465	**2006**	**19,927**
1998	18,185*	2001	16,905	2004	20,571		
1999	17,500	2002	17,059	2005	21,044		

*Revised after original year of publication

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**19,927**	**4,132**	**180**	**3,183**	**1,688**	**6,187**	**2,084**	**2,411**	**61**
Total coal	**3,803**	**11**	—	**994**	**82**	**934**	**5**	**1,777**	—
1100 coal & lignite	3,002	4	—	994	—	225	2	1,777	—
1200 coal coke	801	6	—	—	82	710	3	—	—
Total petroleum and petroleum products	**3,402**	**850**	**68**	**459**	**952**	**711**	**195**	**137**	**29**
Subtotal petroleum products	**3,402**	**850**	**68**	**459**	**952**	**711**	**195**	**137**	**29**
2211 gasoline	115	21	—	—	2	87	5	—	—
2221 kerosene	18	—	—	—	18	—	—	—	—
2330 distillate fuel oil	766	192	25	44	352	24	16	112	—
2340 residual fuel oil	286	146	—	2	109	25	—	4	—
2350 lube oil & greases	98	90	—	—	—	—	8	—	—
2429 naphtha & solvents	150	90	14	1	35	7	—	3	—
2430 asphalt, tar & pitch	431	224	7	—	114	20	55	8	4
2540 petroleum coke	1,506	83	22	412	312	533	109	10	26
2640 hydrocarbon & petrol gases, liquefied and gaseous	11	—	—	—	—	11	—	—	—
2990 petro. products nec	20	3	—	—	11	4	3	—	—
Total chemicals and related products	**1,559**	**869**	**76**	—	**227**	**302**	**49**	**5**	**32**
Subtotal fertilizers	**83**	**2**	—	—	—	**81**	—	—	—
3110 nitrogenous fert.	72	2	—	—	—	70	—	—	—
3120 phosphatic fert.	5	—	—	—	—	5	—	—	—
3130 potassic fert.	1	—	—	—	—	1	—	—	—
3190 fert. & mixes nec	5	—	—	—	—	5	—	—	—
Subtotal other chemicals and related products	**1,476**	**867**	**76**	—	**227**	**221**	**49**	**5**	**32**
3212 benzene & toluene	102	48	—	—	55	—	—	—	—
3219 other hydrocarbons	107	34	—	—	42	3	—	—	28
3220 alcohols	698	325	—	—	129	186	49	4	4
3260 organic comp. nec	11	11	—	—	—	—	—	—	—
3274 sodium hydroxide	391	391	—	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	44	25	—	—	—	19	—	—	—
3276 metallic salts	111	31	76	—	—	3	—	1	—
3279 inorganic chem. nec	5	—	—	—	—	5	—	—	—
3297 chemical additives	3	1	—	—	1	1	—	—	—
3299 chem. products nec	3	—	—	—	—	3	—	—	—
Total crude materials, inedible except fuels	**7,005**	**1,554**	**30**	**1,727**	**368**	**1,717**	**1,117**	**492**	—
Subtotal forest products, wood and chips	**115**	**107**	—	—	—	**8**	—	—	—
4161 wood chips	113	107	—	—	—	6	—	—	—
4190 forest products nec	2	—	—	—	—	2	—	—	—
Subtotal soil, sand, gravel, rock and stone	**4,375**	**933**	—	**1,727**	**320**	**904**	—	**492**	—
4322 limestone	26	—	—	—	—	26	—	—	—
4323 gypsum	278	—	—	—	—	278	—	—	—
4331 sand & gravel	4,060	933	—	1,727	320	595	—	486	—
4335 waterway improv. mat	11	—	—	—	—	5	—	6	—
Subtotal iron ore and scrap	**1,155**	**9**	**30**	—	**49**	**277**	**790**	—	—
4410 iron ore	297	—	—	—	—	238	59	—	—
4420 iron & steel scrap	858	9	30	—	49	40	731	—	—
Subtotal non-ferrous ores and scrap	**76**	—	—	—	—	**76**	—	—	—
4650 aluminum ore	21	—	—	—	—	21	—	—	—
4670 manganese ore	43	—	—	—	—	43	—	—	—
4690 non-ferrous ores nec	12	—	—	—	—	12	—	—	—
Subtotal sulphur, clay and salt	**140**	—	—	—	—	**140**	—	—	—
4782 clay & refrac. mat.	140	—	—	—	—	140	—	—	—
Subtotal slag	**430**	—	—	—	—	**103**	**327**	—	—
4860 slag	430	—	—	—	—	103	327	—	—
Subtotal other non-metal. min.	**715**	**505**	—	—	—	**210**	—	—	—
4900 non-metal. min. nec	715	505	—	—	—	210	—	—	—
Total primary manufactured goods	**3,712**	**825**	**6**	**3**	—	**2,410**	**468**	—	—
Subtotal lime, cement and glass	**912**	**481**	**6**	—	—	**332**	**92**	—	—
5220 cement & concrete	910	481	6	—	—	331	92	—	—
5290 misc. mineral prod.	2	—	—	—	—	2	—	—	—
Subtotal primary iron and steel products	**2,600**	**295**	—	**3**	—	**1,930**	**371**	—	—
5312 pig iron	786	—	—	3	—	784	—	—	—
5315 ferro alloys	180	—	—	—	—	180	1	—	—
5320 i&s primary forms	58	—	—	—	—	57	1	—	—
5330 i&s plates & sheets	892	117	—	1	—	514	260	—	—

CHICAGO SANITARY AND SHIP CANAL, IL
(INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
5360 i&s bars & shapes	271	124	—	—	—	145	2	—	—
5370 i&s pipe & tube	8	8	—	—	—	—	—	—	—
5390 primary i&s nec	403	46	—	—	—	251	106	—	—
Subtotal primary non-ferrous metal products	**201**	**49**	—	—	—	**147**	**4**	—	—
5422 aluminum	18	13	—	—	—	4	—	—	—
5429 smelted prod. nec	45	22	—	—	—	23	—	—	—
5480 fab. metal products	139	14	—	—	—	120	4	—	—
Total food and farm products	**402**	**24**	—	—	**42**	**109**	**228**	—	—
Subtotal grain	**208**	—	—	—	**8**	—	**200**	—	—
6241 wheat	47	—	—	—	—	—	47	—	—
6344 corn	161	—	—	—	8	—	153	—	—
Subtotal oilseeds	**54**	—	—	—	**3**	**29**	**22**	—	—
6522 soybeans	25	—	—	—	3	—	22	—	—
6590 oilseeds nec	29	—	—	—	—	29	—	—	—
Subtotal vegetable products	**21**	—	—	—	—	21	—	—	—
6653 vegetable oils	21	—	—	—	—	21	—	—	—
Subtotal processed grain and animal feed	**31**	—	—	—	**31**	—	—	—	—
6782 animal feed, prep.	31	—	—	—	31	—	—	—	—
Subtotal other agricultural products	**87**	**24**	—	—	—	**58**	**6**	—	—
6861 sugar	77	24	—	—	—	54	—	—	—
6865 molasses	10	—	—	—	—	4	6	—	—
Total all manufactured equipment, machinery and products	**44**	—	—	—	**18**	**4**	**22**	—	—
7110 machinery (not elec)	14	—	—	—	—	2	12	—	—
7600 rubber & plastic pr.	10	—	—	—	—	—	10	—	—
7800 empty containers	18	—	—	—	18	—	—	—	—
7900 manufac. prod. nec	1	—	—	—	—	1	—	—	—
Ton-miles (x1000)	**288,539**	**37,700**	**1,986**	**72,268**	**14,258**	**80,081**	**28,484**	**53,163**	**601**

Tons All Traffic (x1000) 19,927
Ton-miles All Traffic (x1000) 288,539
Total Trip-ton-miles Internal and Intraport (x1000) 13,336,758

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
1997	42,994	2000	44,231	2003	45,009	**2006**	**43,583**
1998	41,795*	2001	43,490	2004	45,235		
1999	43,724	2002	43,032	2005	44,018		

*Revised after original year of publication

Freight Traffic, 2006 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	**43,583**	**10,599**	**391**	**2,234**	**16,460**	**4,545**	**1,669**	**6,998**	**688**
Total coal	**6,167**	**1,145**	—	**2**	**94**	**933**	**5**	**3,984**	**4**
1100 coal & lignite	5,348	1,131	—	—	2	225	2	3,984	4
1200 coal coke	819	14	—	2	92	708	3	—	—
Total petroleum and petroleum products	**6,402**	**1,679**	**89**	**980**	**2,723**	**74**	**166**	**416**	**274**
Subtotal crude petroleum	**20**	**20**	—	—	—	—	—	—	—
2100 crude petroleum	20	20	—	—	—	—	—	—	—
Subtotal petroleum products	**6,381**	**1,659**	**89**	**980**	**2,723**	**74**	**166**	**416**	**274**
2211 gasoline	180	140	—	—	27	6	5	2	—
2221 kerosene	35	17	—	—	—	—	—	—	18
2330 distillate fuel oil	1,280	294	30	44	693	—	12	123	86
2340 residual fuel oil	795	110	—	11	525	16	—	92	41
2350 lube oil & greases	227	211	—	—	9	—	—	—	8
2429 naphtha & solvents	459	261	14	1	155	7	—	13	7
2430 asphalt, tar & pitch	1,176	229	7	20	662	—	55	139	64
2540 petroleum coke	1,863	55	39	904	635	41	93	47	51
2640 hydrocarbon & petrol gases, liquefied and gaseous	11	11	—	—	—	—	—	—	—
2990 petro. products nec	355	331	—	—	17	4	3	—	—

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total chemicals and related products	**4,168**	**3,113**	**87**	**1**	**594**	**147**	**25**	**120**	**81**
Subtotal fertilizers	**967**	**884**	—	—	**1**	**80**	—	**2**	—
3110 nitrogenous fert.	538	466	—	—	1	69	—	2	—
3120 phosphatic fert.	32	27	—	—	—	5	—	—	—
3130 potassic fert.	127	126	—	—	—	1	—	—	—
3190 fert. & mixes nec	270	265	—	—	—	5	—	—	—
Subtotal other chemicals and related products	**3,201**	**2,230**	**87**	**1**	**592**	**67**	**25**	**118**	**81**
3211 acyclic hydrocarbons	33	33	—	—	—	—	—	—	—
3212 benzene & toluene	119	55	—	—	65	—	—	—	—
3219 other hydrocarbons	763	690	—	—	19	3	—	—	51
3220 alcohols	1,157	439	11	1	504	34	25	113	30
3260 organic comp. nec	30	27	—	—	3	—	—	—	—
3273 ammonia	356	352	—	—	—	—	—	4	—
3274 sodium hydroxide	421	421	—	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	60	42	—	—	—	19	—	—	—
3276 metallic salts	151	70	76	—	1	3	—	1	—
3279 inorganic chem. nec	70	66	—	—	—	5	—	—	—
3297 chemical additives	3	3	—	—	1	—	—	—	—
3299 chem. products nec	36	33	—	—	—	3	—	—	—
Total crude materials, inedible except fuels	**8,154**	**1,691**	**32**	**1,246**	**314**	**1,128**	**938**	**2,477**	**328**
Subtotal forest products, wood and chips	**306**	**298**	—	—	—	**8**	—	—	—
4161 wood chips	303	297	—	—	—	6	—	—	—
4190 forest products nec	3	1	—	—	—	2	—	—	—
Subtotal pulp and waste paper	**4**	**4**	—	—	—	—	—	—	—
4225 pulp & waste paper	4	4	—	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	**4,697**	**320**	—	**1,242**	**16**	**330**	—	**2,470**	**320**
4322 limestone	78	52	—	—	—	26	—	—	—
4323 gypsum	284	—	—	—	6	278	—	—	—
4331 sand & gravel	4,323	268	—	1,242	9	21	—	2,464	320
4335 waterway improv. mat	11	—	—	—	—	5	—	6	—
Subtotal iron ore and scrap	**1,370**	**135**	**32**	**2**	**298**	**276**	**610**	**8**	**8**
4410 iron ore	302	5	—	—	—	238	59	—	—
4420 iron & steel scrap	1,069	130	32	2	298	38	551	8	8
Subtotal non-ferrous ores and scrap	**108**	**32**	—	—	—	**76**	—	—	—
4650 aluminum ore	38	17	—	—	—	21	—	—	—
4670 manganese ore	54	11	—	—	—	43	—	—	—
4690 non-ferrous ores nec	16	4	—	—	—	12	—	—	—
Subtotal sulphur, clay and salt	**151**	**11**	—	—	—	**140**	—	—	—
4782 clay & refrac. mat.	151	11	—	—	—	140	—	—	—
Subtotal slag	**443**	**14**	—	**2**	—	**100**	**327**	—	—
4860 slag	443	14	—	2	—	100	327	—	—
Subtotal other non-metal. min.	**1,075**	**876**	—	—	—	**199**	—	—	—
4900 non-metal. min. nec	1,075	876	—	—	—	199	—	—	—
Total primary manufactured goods	**5,591**	**2,848**	**170**	**5**	**113**	**2,152**	**302**	—	—
Subtotal lime, cement and glass	**1,413**	**1,234**	**6**	**1**	**3**	**76**	**92**	—	—
5220 cement & concrete	1,412	1,234	6	1	3	74	92	—	—
5290 misc. mineral prod.	2	—	—	—	—	2	—	—	—
Subtotal primary iron and steel products	**3,960**	**1,550**	**160**	**3**	**108**	**1,929**	**210**	—	—
5312 pig iron	1,929	1,144	—	3	—	782	—	—	—
5315 ferro alloys	187	7	—	—	—	180	1	—	—
5320 i&s primary forms	68	8	1	—	2	57	—	—	—
5330 i&s plates & sheets	951	171	103	1	6	514	157	—	—
5360 i&s bars & shapes	380	138	1	—	94	145	1	—	—
5370 i&s pipe & tube	8	8	—	—	—	—	—	—	—
5390 primary i&s nec	437	74	54	—	6	251	51	—	—
Subtotal primary non-ferrous metal products	**215**	**62**	**4**	—	**2**	**147**	—	—	—
5422 aluminum	18	13	—	—	—	4	—	—	—
5429 smelted prod. nec	47	22	—	—	2	23	—	—	—
5480 fab. metal products	151	27	4	—	—	120	—	—	—
Subtotal primary wood products	**2**	**2**	—	—	—	—	—	—	—
5540 primary wood prod.	2	2	—	—	—	—	—	—	—
Total food and farm products	**13,048**	**117**	—	—	**12,599**	**109**	**222**	—	**2**
Subtotal grain	**9,384**	**8**	—	—	**9,173**	—	**200**	—	**2**
6241 wheat	167	—	—	—	119	—	47	—	—
6344 corn	9,217	8	—	—	9,054	—	153	—	2
Subtotal oilseeds	**2,371**	**29**	—	—	**2,290**	**29**	**22**	—	—
6522 soybeans	2,312	—	—	—	2,290	—	22	—	—
6590 oilseeds nec	59	29	—	—	—	29	—	—	—
Subtotal vegetable products	**34**	**1**	—	—	**11**	**21**	—	—	—
6653 vegetable oils	27	1	—	—	4	21	—	—	—
6654 vegetables & prod.	7	—	—	—	7	—	—	—	—
Subtotal processed grain and animal feed	**1,092**	**2**	—	—	**1,090**	—	—	—	—
6747 grain mill products	38	—	—	—	38	—	—	—	—
6782 animal feed, prep.	1,054	2	—	—	1,053	—	—	—	—
Subtotal other agricultural products	**167**	**76**	—	—	**33**	**58**	—	—	—
6861 sugar	77	24	—	—	—	54	—	—	—
6865 molasses	63	52	—	—	6	4	—	—	—
6885 alcoholic beverages	28	—	—	—	28	—	—	—	—

ILLINOIS WATERWAY, IL (CONSOLIDATED REPORT FOR ENTIRE WATERWAY)
Freight Traffic, 2006 - continued
(thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total all manufactured equipment, machinery and products	**54**	**5**	**12**	**—**	**23**	**4**	**10**	**—**	**—**
7110 machinery (not elec)	19	4	12	—	—	2	0	—	—
7500 textile products	1	1	—	—	—	—	—	—	—
7600 rubber & plastic pr.	15	—	—	—	5	—	10	—	—
7800 empty containers	18	—	—	—	18	—	—	—	—
7900 manufac. prod. nec	2	—	—	—	1	1	—	—	—
Ton-miles (x1000)	**7,980,052**	**2,274,896**	**24,773**	**100,870**	**3,184,533**	**1,476,888**	**542,300**	**316,549**	**59,244**

Tons All Traffic (x1000) 43,583
Ton-miles All Traffic (x1000) 7,980,052
Total Trip-ton-miles Internal and Intraport (x1000) 38,559,924

Section 2
Trips and Drafts of Vessels

Trips and Drafts of Vessels, 2006
(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
WAUKEGAN HARBOR, IL			Inbound						Outbound			
Grand Total	**160**	**35**	—	**64**	**61**	—	**160**	**36**	—	**63**	**61**	—
DOMESTIC												
Total	**160**	**35**	—	**64**	**61**	—	**160**	**36**	—	**63**	**61**	—
18	13	1	—	11	1	—	13	—	—	11	2	—
17	22	13	—	5	4	—	41	29	—	5	7	—
16	63	8	—	23	32	—	47	2	—	23	22	—
15	1	1	—	—	—	—	3	2	—	—	1	—
13	2	—	—	—	2	—	6	—	—	—	6	—
≤ 12	59	12	—	25	22	—	50	3	—	24	23	—
										Total trips:		**320**
CHICAGO RIVER (MAIN AND NORTH BRANCH), IL			Upbound						Downbound			
Grand Total	**1,513**	—	—	**359**	**1,137**	**17**	**1,484**	**1**	—	**349**	**1,130**	**4**
DOMESTIC												
Total	**1,513**	—	—	**359**	**1,137**	**17**	**1,484**	**1**	—	**349**	**1,130**	**4**
≤ 12	1,513	—	—	359	1,137	17	1,484	1	—	349	1,130	4
										Total trips:		**2,997**
CHICAGO RIVER, SOUTH BRANCH, IL			Upbound						Downbound			
Grand Total	**3,125**	**1**	—	**439**	**2,681**	**4**	**3,105**	—	—	**406**	**2,682**	**17**
DOMESTIC												
Total	**3,125**	**1**	—	**439**	**2,681**	**4**	**3,105**	—	—	**406**	**2,682**	**17**
≤ 12	3,125	1	—	439	2,681	4	3,105	—	—	406	2,682	17
										Total trips:		**6,230**
LAKE CALUMET, IL			Upbound						Downbound			
Grand Total	**1,387**	**36**	—	**463**	**829**	**59**	**1,215**	**56**	—	**427**	**675**	**57**
FOREIGN												
Total	**14**	**4**	—	**5**	**1**	**4**	**39**	**25**	—	**8**	**3**	**3**
27	—	—	—	—	—	—	2	2	—	—	—	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	1	1	—	—	—	—	—	—	—	—	—	—
23	3	—	—	—	1	2	5	3	—	—	1	1
22	2	2	—	—	—	—	6	6	—	—	—	—
21	1	1	—	—	—	—	7	7	—	—	—	—
20	—	—	—	—	—	—	2	1	—	—	1	—
19	1	—	—	1	—	—	3	3	—	—	—	—
18	—	—	—	—	—	—	5	1	—	3	—	1
17	—	—	—	—	—	—	1	1	—	—	—	—
16	1	—	—	—	—	1	2	—	—	1	—	1
≤ 12	5	—	—	4	—	1	5	—	—	4	1	—
DOMESTIC												
Total	**1,373**	**32**	—	**458**	**828**	**55**	**1,176**	**31**	—	**419**	**672**	**54**
23	1	1	—	—	—	—	—	—	—	—	—	—
22	10	10	—	—	—	—	—	—	—	—	—	—
21	2	1	—	—	1	—	2	2	—	—	—	—
20	15	7	—	—	8	—	3	—	—	—	3	—
19	—	—	—	—	—	—	2	—	—	—	2	—
18	14	—	—	13	1	—	19	1	—	15	2	1
17	1	—	—	1	—	—	—	—	—	—	—	—
16	15	13	—	—	1	1	8	8	—	—	—	—
15	1	—	—	1	—	—	1	—	—	1	—	—
14	1	—	—	—	1	—	—	—	—	—	—	—
13	4	—	—	4	—	—	35	19	—	6	10	—
≤ 12	1,309	—	—	439	816	54	1,106	1	—	397	655	53
										Total trips:		**2,602**

Trips and Drafts of Vessels, 2006
(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			Upbound						Downbound			
Grand Total	**8,851**	**412**	**2**	**4,584**	**3,628**	**225**	**7,663**	**344**	**2**	**3,708**	**3,402**	**207**
FOREIGN												
Total	**222**	**181**	**2**	**23**	**5**	**11**	**130**	**94**	**2**	**18**	**4**	**12**
27	25	25	—	—	—	—	18	18	—	—	—	—
26	18	18	—	—	—	—	22	20	—	—	2	—
25	9	9	—	—	—	—	11	10	—	—	1	—
24	14	14	—	—	—	—	14	14	—	—	—	—
23	22	20	—	—	1	1	18	14	1	—	1	2
22	40	38	1	—	1	—	9	8	1	—	—	—
21	39	36	—	—	—	3	4	4	—	—	—	—
20	16	11	1	2	2	—	4	4	—	—	—	—
19	8	7	—	1	—	—	4	2	—	1	—	1
18	9	2	—	6	—	1	5	—	—	4	—	1
17	3	1	—	—	—	2	2	—	—	1	—	1
16	11	—	—	8	—	3	6	—	—	5	—	1
15	2	—	—	1	—	1	5	—	—	3	—	2
14	—	—	—	—	—	—	1	—	—	—	—	1
≤ 12	6	—	—	5	1	—	7	—	—	4	—	3
DOMESTIC												
Total	**8,629**	**231**	**—**	**4,561**	**3,623**	**214**	**7,533**	**250**	**—**	**3,690**	**3,398**	**195**
26	15	3	—	12	—	—	14	1	—	13	—	—
25	11	10	—	—	1	—	6	4	—	—	2	—
24	22	19	—	—	3	—	29	11	—	—	18	—
23	33	29	—	—	4	—	21	11	—	—	10	—
22	34	23	—	—	11	—	30	22	—	—	8	—
21	53	50	—	—	3	—	26	25	—	—	1	—
20	53	38	—	—	15	—	19	10	—	—	9	—
19	30	18	—	—	12	—	27	24	—	—	3	—
18	26	2	—	17	6	1	90	59	—	23	6	2
17	26	6	—	13	7	—	62	42	—	10	10	—
16	56	8	—	36	11	1	80	31	—	35	12	2
15	5	—	—	3	2	—	10	6	—	3	1	—
14	8	—	—	5	3	—	8	1	—	5	1	1
13	159	19	—	130	10	—	117	—	—	117	—	—
≤ 12	8,098	6	—	4,345	3,535	212	6,994	3	—	3,484	3,317	190
										Total trips:		**16,514**

PORT OF CHICAGO, IL			Inbound						Outbound			
Grand Total	**18,296**	**1,045**	**2**	**6,288**	**9,351**	**1,610**	**18,291**	**1,124**	**2**	**6,429**	**9,084**	**1,652**
FOREIGN												
Total	**130**	**94**	**2**	**18**	**4**	**12**	**222**	**181**	**2**	**23**	**5**	**11**
27	18	18	—	—	—	—	25	25	—	—	—	—
26	22	20	—	—	2	—	18	18	—	—	—	—
25	11	10	—	—	1	—	9	9	—	—	—	—
24	14	14	—	—	—	—	14	14	—	—	—	—
23	18	14	1	—	1	2	22	20	—	—	1	1
22	9	8	1	—	—	—	40	38	1	—	1	—
21	4	4	—	—	—	—	39	36	—	—	—	3
20	4	4	—	—	—	—	16	11	1	2	2	—
19	4	2	—	1	—	1	8	7	—	1	—	—
18	5	—	—	4	—	1	9	2	—	6	—	1
17	2	—	—	1	—	1	3	1	—	—	—	2
16	6	—	—	5	—	1	11	—	—	8	—	3
15	5	—	—	3	—	2	2	—	—	1	—	1
14	1	—	—	—	—	1	—	—	—	—	—	—
≤ 12	7	—	—	4	—	3	6	—	—	5	1	—

Trips and Drafts of Vessels, 2006
(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 CHICAGO, IL - continued				Inbound						Outbound		
DOMESTIC												
Total	**18,166**	**951**	—	**6,270**	**9,347**	**1,598**	**18,069**	**943**	—	**6,406**	**9,079**	**1,641**
26	14	1	—	13	—	—	15	3	—	12	—	—
25	6	4	—	—	2	—	11	10	—	—	1	—
24	29	11	—	—	18	—	22	19	—	—	3	—
23	22	12	—	—	10	—	33	29	—	—	4	—
22	40	32	—	—	8	—	34	23	—	—	11	—
21	27	26	—	—	1	—	55	52	—	—	3	—
20	23	14	—	—	9	—	53	38	—	—	15	—
19	27	24	—	—	3	—	29	17	—	—	12	—
18	88	57	—	24	6	1	30	4	—	18	6	2
17	59	40	—	10	9	—	28	7	—	13	8	—
16	66	15	—	37	12	2	58	8	—	39	11	—
15	9	5	—	3	1	—	6	1	—	3	2	—
14	10	1	—	7	1	1	10	—	—	7	3	—
13	118	—	—	118	—	—	158	19	—	129	10	—
≤ 12	17,628	709	—	6,058	9,267	1,594	17,527	713	—	6,185	8,990	1,639
										Total trips:		**36,587**

INDIANA HARBOR, IN

				Inbound						Outbound		
Grand Total	**3,011**	**355**	—	**1,505**	**961**	**190**	**2,996**	**340**	—	**1,502**	**958**	**196**
FOREIGN												
Total	**24**	**18**	—	**3**	—	**3**	**17**	**10**	—	**4**	—	**3**
27	8	8	—	—	—	—	—	—	—	—	—	—
26	8	8	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	1	1	—	—	—	—
23	2	1	—	—	—	1	—	—	—	—	—	—
22	—	—	—	—	—	—	7	7	—	—	—	—
21	1	1	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	1	—	—	1	—	—	—	—	—	—	—	—
18	1	—	—	—	—	1	1	—	—	—	—	1
17	—	—	—	—	—	—	1	—	—	—	—	1
16	1	—	—	1	—	—	3	—	—	3	—	—
≤ 12	2	—	—	1	—	1	2	—	—	1	—	1
DOMESTIC												
Total	**2,987**	**337**	—	**1,502**	**961**	**187**	**2,979**	**330**	—	**1,498**	**958**	**193**
30	1	1	—	—	—	—	—	—	—	—	—	—
29	13	10	—	—	3	—	2	—	—	—	2	—
28	88	83	—	—	5	—	6	1	—	—	5	—
27	148	148	—	—	—	—	1	1	—	—	—	—
26	86	73	—	10	3	—	21	9	—	9	3	—
25	11	7	—	—	4	—	1	1	—	—	—	—
24	4	4	—	—	—	—	1	1	—	—	—	—
23	1	1	—	—	—	—	72	72	—	—	—	—
22	5	4	—	—	1	—	13	12	—	—	1	—
21	2	2	—	—	—	—	116	116	—	—	—	—
20	2	1	—	—	1	—	12	12	—	—	—	—
19	5	3	—	—	2	—	71	61	—	—	—	10
18	4	—	—	—	1	3	87	34	—	5	6	42
17	23	—	—	20	1	2	25	—	—	15	—	10
16	33	—	—	18	—	15	55	10	—	20	—	25
15	30	—	—	27	—	3	30	—	—	29	—	1
13	30	—	—	29	—	1	34	—	—	33	—	1
≤ 12	2,501	—	—	1,398	940	163	2,432	—	—	1,387	941	104
										Total trips:		**6,007**

Trips and Drafts of Vessels, 2006
(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			Inbound						Outbound			
Grand Total	**1,065**	**280**	—	**376**	**361**	**48**	**947**	**208**	—	**336**	**361**	**42**
FOREIGN												
Total	**162**	**145**	—	**8**	1	**8**	**76**	**73**	—	1	1	1
27	19	19	—	—	—	—	6	6	—	—	—	—
26	11	11	—	—	—	—	6	6	—	—	—	—
25	22	22	—	—	—	—	1	1	—	—	—	—
24	19	19	—	—	—	—	3	3	—	—	—	—
23	29	29	—	—	—	—	7	7	—	—	—	—
22	26	26	—	—	—	—	12	12	—	—	—	—
21	8	8	—	—	—	—	17	17	—	—	—	—
20	8	8	—	—	—	—	14	14	—	—	—	—
19	2	2	—	—	—	—	7	7	—	—	—	—
17	1	1	—	—	—	—	—	—	—	—	—	—
16	5	—	—	3	—	2	1	—	—	—	—	1
15	1	—	—	1	—	—	—	—	—	—	—	—
13	1	—	—	—	—	1	—	—	—	—	—	—
≤ 12	10	—	—	4	1	5	2	—	—	1	1	—
DOMESTIC												
Total	**903**	**135**	—	**368**	**360**	**40**	**871**	**135**	—	**335**	**360**	**41**
31	—	—	—	—	—	—	1	1	—	—	—	—
28	18	18	—	—	—	—	—	—	—	—	—	—
27	49	49	—	—	—	—	—	—	—	—	—	—
26	18	18	—	—	—	—	—	—	—	—	—	—
25	25	23	—	—	2	—	1	—	—	—	1	—
24	6	6	—	—	—	—	1	1	—	—	—	—
23	4	4	—	—	—	—	47	47	—	—	—	—
22	1	1	—	—	—	—	3	3	—	—	—	—
21	3	3	—	—	—	—	8	7	—	—	1	—
20	2	2	—	—	—	—	8	6	—	—	2	—
19	1	—	—	—	1	—	35	33	—	—	2	—
18	3	3	—	—	—	—	22	21	—	—	1	—
17	10	8	—	—	2	—	17	12	—	—	2	3
16	5	—	—	3	—	2	8	3	—	5	—	—
15	3	—	—	3	—	—	5	1	—	4	—	—
14	7	—	—	4	—	3	4	—	—	4	—	—
13	35	—	—	35	—	—	32	—	—	32	—	—
≤ 12	713	—	—	323	355	35	679	—	—	290	351	38
										Total trips:		**2,012**
CHICAGO HARBOR, IL (16 feet and less)			Upbound						Downbound			
Grand Total	**865**	**706**	—	**99**	**50**	**10**	**861**	**706**	—	**94**	**50**	**11**
										Total trips:		**1,726**
MICHIGAN CITY HARBOR, IN **No Vessel Trips Reported**												
BUFFINGTON HARBOR, IN (27 feet and less)			Inbound						Outbound			
Grand Total	**55**	**55**	—	—	—	—	**51**	**51**	—	—	—	—
										Total trips:		**106**
GARY HARBOR, IN (31 feet and less)			Inbound						Outbound			
Grand Total	**890**	**167**	—	**393**	**325**	**5**	**832**	**154**	—	**343**	**330**	**5**
										Total trips:		**1,722**

Trips and Drafts of Vessels, 2006
(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	**336**	**269**	—	**34**	**33**	—	**340**	**262**	—	**36**	**42**	—
FOREIGN												
Total	**28**	**23**	—	**5**	—	—	**2**	**2**	—	—	—	—
28	1	1	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
24	7	7	—	—	—	—	—	—	—	—	—	—
23	8	3	—	5	—	—	—	—	—	—	—	—
22	3	3	—	—	—	—	—	—	—	—	—	—
21	7	7	—	—	—	—	1	1	—	—	—	—
20	2	2	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	**308**	**246**	—	**29**	**33**	—	**338**	**260**	—	**36**	**42**	—
31	—	—	—	—	—	—	3	3	—	—	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	9	8	—	—	1	—
27	3	3	—	—	—	—	75	72	—	—	3	—
26	21	21	—	—	—	—	198	160	—	—	38	—
25	3	2	—	—	1	—	9	9	—	—	—	—
24	45	45	—	—	—	—	4	4	—	—	—	—
23	66	66	—	—	—	—	1	1	—	—	—	—
22	48	16	—	—	32	—	—	—	—	—	—	—
21	10	10	—	—	—	—	1	1	—	—	—	—
20	8	8	—	—	—	—	—	—	—	—	—	—
19	86	57	—	29	—	—	36	—	—	36	—	—
18	7	7	—	—	—	—	—	—	—	—	—	—
17	2	2	—	—	—	—	—	—	—	—	—	—
16	8	8	—	—	—	—	—	—	—	—	—	—
≤ 12	1	1	—	—	—	—	1	1	—	—	—	—
										Total trips:		**676**
DULUTH-SUPERIOR HARBOR, MN AND WI				Inbound						Outbound		
Grand Total	**1,310**	**1,234**	—	**39**	**32**	**5**	**1,259**	**1,172**	—	**44**	**39**	**4**
FOREIGN												
Total	**531**	**509**	—	**13**	**8**	**1**	**474**	**452**	—	**14**	**8**	—
30	—	—	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	12	12	—	—	—	—
27	3	2	—	1	—	—	346	341	—	5	—	—
26	6	6	—	—	—	—	52	52	—	—	—	—
25	48	48	—	—	—	—	10	10	—	—	—	—
24	114	114	—	—	—	—	9	9	—	—	—	—
23	120	117	—	3	—	—	2	2	—	—	—	—
22	41	41	—	—	—	—	2	2	—	—	—	—
21	54	54	—	—	—	—	10	10	—	—	—	—
20	29	29	—	—	—	—	4	4	—	—	—	—
19	36	36	—	—	—	—	4	4	—	—	—	—
18	9	9	—	—	—	—	1	1	—	—	—	—
17	4	3	—	—	1	—	4	2	—	—	2	—
16	24	21	—	—	3	—	2	—	—	—	2	—
15	24	14	—	9	1	—	10	1	—	9	—	—
14	4	3	—	—	1	—	4	—	—	—	4	—
13	11	11	—	—	—	—	1	1	—	—	—	—
≤ 12	4	1	—	—	2	1	—	—	—	—	—	—
DOMESTIC												
Total	**779**	**725**	—	**26**	**24**	**4**	**785**	**720**	—	**30**	**31**	**4**
31	1	1	—	—	—	—	—	—	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	5	3	—	—	2	—	53	50	—	—	3	—
27	4	2	—	—	2	—	277	273	—	—	4	—
26	32	18	—	9	5	—	177	145	—	11	21	—
25	58	57	—	—	1	—	29	29	—	—	—	—
24	61	60	—	—	1	—	49	48	—	—	1	—
23	204	200	—	—	4	—	22	21	—	—	1	—
22	34	27	—	—	7	—	31	31	—	—	—	—
21	13	13	—	—	—	—	28	28	—	—	—	—

Trips and Drafts of Vessels, 2006
(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												
20	28	28	—	—	—	—	23	23	—	—	—	—
19	264	253	—	11	—	—	63	49	—	14	—	—
18	25	24	—	1	—	—	9	9	—	—	—	—
17	4	4	—	—	—	—	4	4	—	—	—	—
16	30	27	—	1	2	—	4	2	—	1	1	—
15	2	—	—	2	—	—	2	—	—	2	—	—
14	6	—	—	2	—	4	3	1	—	2	—	—
≤ 12	7	7	—	—	—	—	11	7	—	—	—	4
										Total trips:		**2,569**
TACONITE HARBOR, MN				Inbound						Outbound		
Grand Total	**36**	**36**	—	—	—	—	**39**	**39**	—	—	—	—
DOMESTIC												
Total	**36**	**36**	—	—	—	—	**39**	**39**	—	—	—	—
28	1	1	—	—	—	—	8	8	—	—	—	—
27	9	9	—	—	—	—	12	12	—	—	—	—
26	6	6	—	—	—	—	1	1	—	—	—	—
23	14	14	—	—	—	—	15	15	—	—	—	—
21	3	3	—	—	—	—	—	—	—	—	—	—
18	3	3	—	—	—	—	3	3	—	—	—	—
										Total trips:		**75**
PRESQUE ISLE HARBOR, MI				Inbound						Outbound		
Grand Total	**385**	**333**	—	**25**	**27**	—	**378**	**327**	—	**26**	**25**	—
FOREIGN												
Total	**187**	**181**	—	**3**	**3**	—	**130**	**130**	—	—	—	—
24	7	7	—	—	—	—	45	45	—	—	—	—
23	30	30	—	—	—	—	67	67	—	—	—	—
22	96	96	—	—	—	—	18	18	—	—	—	—
21	34	34	—	—	—	—	—	—	—	—	—	—
20	13	10	—	3	—	—	—	—	—	—	—	—
19	3	3	—	—	—	—	—	—	—	—	—	—
17	3	—	—	—	3	—	—	—	—	—	—	—
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	**198**	**152**	—	**22**	**24**	—	**248**	**197**	—	**26**	**25**	—
28	—	—	—	—	—	—	32	32	—	—	—	—
27	23	21	—	—	2	—	105	91	—	—	14	—
26	4	3	—	1	—	—	27	19	—	2	6	—
25	4	4	—	—	—	—	6	1	—	—	5	—
24	6	6	—	—	—	—	—	—	—	—	—	—
23	15	15	—	—	—	—	31	31	—	—	—	—
22	3	3	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	14	14	—	—	—	—	12	12	—	—	—	—
18	120	78	—	20	22	—	10	9	—	1	—	—
17	5	4	—	1	—	—	23	—	—	23	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	3	3	—	—	—	—	—	—	—	—	—	—
										Total trips:		**763**

Trips and Drafts of Vessels, 2006
(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				Inbound						Outbound		
Grand Total	**54**	**34**	—	**11**	**9**	—	**43**	**28**	—	**7**	**8**	—
FOREIGN												
Total	**11**	**6**	—	**3**	**2**	—	**1**	**1**	—	—	—	—
24	3	2	—	1	—	—	—	—	—	—	—	—
23	4	4	—	—	—	—	—	—	—	—	—	—
22	1	—	—	—	1	—	—	—	—	—	—	—
21	1	—	—	—	1	—	—	—	—	—	—	—
20	2	—	—	2	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	**43**	**28**	—	**8**	**7**	—	**42**	**27**	—	**7**	**8**	—
26	8	—	—	8	—	—	7	—	—	7	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
23	13	7	—	—	6	—	6	—	—	—	6	—
22	13	12	—	—	1	—	2	—	—	—	2	—
21	7	7	—	—	—	—	—	—	—	—	—	—
19	1	1	—	—	—	—	14	14	—	—	—	—
18	—	—	—	—	—	—	13	13	—	—	—	—
										Total trips:		**97**
DRUMMOND ISLAND, MI				Inbound						Outbound		
Grand Total	**19,959**	**19,927**	—	**15**	**17**	—	**16,760**	**16,730**	—	**12**	**18**	—
FOREIGN												
Total	**26**	**24**	—	**2**	—	—	**16**	**16**	—	—	—	—
25	—	—	—	—	—	—	2	2	—	—	—	—
24	1	1	—	—	—	—	3	3	—	—	—	—
23	5	5	—	—	—	—	9	9	—	—	—	—
22	1	1	—	—	—	—	1	1	—	—	—	—
21	5	4	—	1	—	—	—	—	—	—	—	—
20	7	6	—	1	—	—	—	—	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
18	3	3	—	—	—	—	—	—	—	—	—	—
17	2	2	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	**19,933**	**19,903**	—	**13**	**17**	—	**16,744**	**16,714**	—	**12**	**18**	—
26	13	—	—	13	—	—	12	—	—	12	—	—
25	—	—	—	—	—	—	2	2	—	—	—	—
24	—	—	—	—	—	—	2	2	—	—	—	—
23	5	—	—	—	5	—	28	18	—	—	10	—
22	8	—	—	—	8	—	16	8	—	—	8	—
21	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	11	11	—	—	—	—	—	—	—	—	—	—
18	9	9	—	—	—	—	—	—	—	—	—	—
17	15	11	—	—	4	—	—	—	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	19,871	19,871	—	—	—	—	16,682	16,682	—	—	—	—
										Total trips:		**36,719**
ST. MARYS RIVER, MI				Upbound						Downbound		
Grand Total	**80,411**	**79,957**	—	**259**	**185**	**10**	**46,246**	**45,840**	**5**	**228**	**162**	**11**
FOREIGN												
Total	**1,453**	**1,222**	—	**155**	**70**	**6**	**1,112**	**903**	**5**	**135**	**62**	**7**
30	—	—	—	—	—	—	1	1	—	—	—	—
29	2	2	—	—	—	—	—	—	—	—	—	—
28	1	1	—	—	—	—	13	13	—	—	—	—
27	12	10	—	1	1	—	441	414	—	5	22	—

Trips and Drafts of Vessels, 2006
(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		
FOREIGN												
26	22	22	—	—	—	—	112	98	—	—	14	—
25	66	66	—	—	—	—	47	42	—	—	5	—
24	151	149	—	2	—	—	73	71	—	1	1	—
23	282	271	—	8	2	1	101	94	—	—	5	2
22	241	239	—	—	2	—	68	64	—	1	3	—
21	162	160	—	1	1	—	38	33	—	5	—	—
20	158	98	—	57	3	—	64	48	—	9	7	—
19	68	68	—	—	—	—	43	9	—	34	—	—
18	54	38	—	15	—	1	18	4	—	14	—	—
17	28	20	—	1	4	3	10	8	1	1	—	—
16	66	20	—	44	1	1	47	—	—	45	—	2
15	92	44	—	2	46	—	7	1	1	4	—	1
14	4	3	—	1	—	—	2	—	1	1	—	—
13	9	9	—	—	—	—	2	1	1	—	—	—
≤ 12	35	2	—	23	10	—	25	2	1	15	5	2
DOMESTIC												
Total	**62,059**	**61,836**	—	**104**	**115**	**4**	**62,033**	**61,836**	—	**93**	**100**	**4**
31	1	1	—	—	—	—	3	3	—	—	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—
28	3	3	—	—	—	—	96	91	—	—	5	—
27	5	5	—	—	—	—	517	496	—	—	21	—
26	69	31	—	36	2	—	440	360	—	14	66	—
25	64	62	—	—	2	—	50	45	—	—	5	—
24	109	107	—	—	2	—	50	49	—	—	1	—
23	304	281	—	—	23	—	22	22	—	—	—	—
22	99	41	—	—	58	—	11	11	—	—	—	—
21	19	19	—	—	—	—	12	12	—	—	—	—
20	23	23	—	—	—	—	16	16	—	—	—	—
19	403	363	—	40	—	—	71	21	—	50	—	—
18	148	106	—	21	21	—	6	6	—	—	—	—
17	32	27	—	1	4	—	25	2	—	23	—	—
16	46	43	—	1	2	—	3	1	—	1	1	—
15	3	1	—	2	—	—	3	1	—	2	—	—
14	6	—	—	2	—	4	2	—	—	2	—	—
13	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	60,724	60,722	—	1	1	—	60,705	60,699	—	1	1	4
										Total trips:		**126,657**

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

				Upbound						Downbound		
Grand Total	**2,321**	**1,991**	—	**190**	**134**	**6**	**2,152**	**1,818**	**3**	**187**	**139**	**5**
FOREIGN												
Total	**1,092**	**925**	—	**111**	**54**	**2**	**818**	**679**	**3**	**95**	**40**	**1**
30	—	—	—	—	—	—	1	1	—	—	—	—
28	1	1	—	—	—	—	12	12	—	—	—	—
27	10	9	—	1	—	—	390	365	—	5	20	—
26	12	12	—	—	—	—	70	60	—	—	10	—
25	52	52	—	—	—	—	14	13	—	—	1	—
24	137	135	—	2	—	—	64	62	—	1	1	—
23	206	198	—	8	—	—	85	82	—	—	3	—
22	162	161	—	—	1	—	40	39	—	—	1	—
21	130	129	—	—	1	—	14	14	—	—	—	—
20	121	71	—	50	—	—	22	16	—	4	2	—
19	47	47	—	—	—	—	39	7	—	32	—	—
18	19	16	—	3	—	—	5	2	—	3	—	—
17	23	17	—	1	3	2	6	4	1	1	—	—
16	64	20	—	44	—	—	45	—	—	45	—	—
15	89	43	—	1	45	—	4	1	1	2	—	—
14	4	3	—	1	—	—	1	—	—	1	—	—
13	9	9	—	—	—	—	1	1	—	—	—	—
≤ 12	6	2	—	—	4	—	5	—	1	1	2	1

Trips and Drafts of Vessels, 2006
(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 FALLS CANAL, MI AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CN (INCLUDED IN ST. MARYS RIVER) - continued				Upbound						Downbound		
DOMESTIC												
Total	**1,229**	**1,066**	—	**79**	**80**	**4**	**1,334**	**1,139**	—	**92**	**99**	**4**
31	1	1	—	—	—	—	3	3	—	—	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—
28	3	3	—	—	—	—	96	91	—	—	5	—
27	5	5	—	—	—	—	517	496	—	—	21	—
26	45	31	—	12	2	—	440	360	—	14	66	—
25	63	61	—	—	2	—	50	45	—	—	5	—
24	107	105	—	—	2	—	50	49	—	—	1	—
23	278	268	—	—	10	—	22	22	—	—	—	—
22	80	39	—	—	41	—	11	11	—	—	—	—
21	18	18	—	—	—	—	12	12	—	—	—	—
20	22	22	—	—	—	—	16	16	—	—	—	—
19	392	352	—	40	—	—	71	21	—	50	—	—
18	139	97	—	21	21	—	6	6	—	—	—	—
17	17	16	—	1	—	—	25	2	—	23	—	—
16	46	43	—	1	2	—	3	1	—	1	1	—
15	2	—	—	2	—	—	3	1	—	2	—	—
14	6	—	—	2	—	4	2	—	—	2	—	—
13	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	4	4	—	—	—	—	6	2	—	—	—	4
										Total trips:		**4,473**
GRAYS REEF PASSAGE, MI				Upbound						Downbound		
Grand Total	**1,184**	**707**	—	**235**	**155**	**87**	**781**	**364**	—	**189**	**142**	**86**
FOREIGN												
Total	**46**	**37**	—	**6**	**3**	—	**18**	**17**	—	**1**	—	—
24	2	2	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	1	1	—	—	—	—
22	17	17	—	—	—	—	3	3	—	—	—	—
21	8	8	—	—	—	—	4	4	—	—	—	—
20	5	4	—	1	—	—	8	7	—	1	—	—
19	2	2	—	—	—	—	1	1	—	—	—	—
18	4	2	—	2	—	—	—	—	—	—	—	—
≤ 12	6	—	—	3	3	—	—	—	—	—	—	—
DOMESTIC												
Total	**1,138**	**670**	—	**229**	**152**	**87**	**763**	**347**	—	**188**	**142**	**86**
25	43	42	—	—	1	—	74	68	—	—	6	—
24	51	50	—	—	1	—	114	70	—	—	44	—
23	163	160	—	—	3	—	82	58	—	—	24	—
22	91	56	—	—	35	—	63	46	—	—	17	—
21	37	37	—	—	—	—	29	24	—	—	5	—
20	83	78	—	—	5	—	36	27	—	—	7	2
19	155	128	—	23	4	—	24	13	—	—	5	6
18	72	48	—	8	2	14	42	14	—	12	9	7
17	91	45	—	25	13	8	44	14	—	28	1	1
16	180	17	—	74	52	37	100	10	—	71	1	18
15	37	4	—	27	3	3	28	2	—	24	—	2
14	10	—	—	4	—	6	5	1	—	4	—	—
13	20	1	—	16	—	3	16	—	—	15	1	—
≤ 12	105	4	—	52	33	16	106	—	—	34	22	50
										Total trips:		**1,965**
CHARLEVOIX HARBOR, MI				Inbound						Outbound		
Grand Total	**596**	**460**	—	**69**	**67**	—	**599**	**460**	—	**71**	**68**	—
FOREIGN												
Total	**13**	**12**	—	**1**	—	—	**6**	**3**	—	**3**	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
21	4	4	—	—	—	—	1	1	—	—	—	—
20	8	7	—	1	—	—	1	—	—	1	—	—
18	—	—	—	—	—	—	3	1	—	2	—	—

Trips and Drafts of Vessels, 2006
(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
CHARLEVOIX HARBOR, MI - continued				Inbound						Outbound		
DOMESTIC												
Total	**583**	**448**	—	**68**	**67**	—	**593**	**457**	—	**68**	**68**	—
23	4	4	—	—	—	—	—	—	—	—	—	—
22	3	3	—	—	—	—	—	—	—	—	—	—
21	2	2	—	—	—	—	4	2	—	—	2	—
20	1	—	—	—	1	—	35	4	—	—	31	—
19	1	—	—	—	1	—	11	7	—	—	4	—
18	64	—	—	64	—	—	68	—	—	64	4	—
17	2	—	—	—	2	—	11	5	—	—	6	—
16	15	15	—	—	—	—	69	59	—	—	10	—
15	2	—	—	—	2	—	4	1	—	—	3	—
14	—	—	—	—	—	—	2	—	—	—	2	—
13	110	45	—	4	61	—	5	1	—	4	—	—
12	1	1	—	—	—	—	2	—	—	—	2	—
10	—	—	—	—	—	—	4	—	—	—	4	—
8	378	378	—	—	—	—	378	378	—	—	—	—
										Total trips:		**1,195**
MANISTEE HARBOR, MI				Inbound						Outbound		
Grand Total	**49**	**46**	—	—	**3**	—	**42**	**39**	—	—	**3**	—
FOREIGN												
Total	**16**	**16**	—	—	—	—	**11**	**11**	—	—	—	—
24	3	3	—	—	—	—	—	—	—	—	—	—
23	4	4	—	—	—	—	1	1	—	—	—	—
22	—	—	—	—	—	—	3	3	—	—	—	—
21	3	3	—	—	—	—	2	2	—	—	—	—
20	4	4	—	—	—	—	1	1	—	—	—	—
19	2	2	—	—	—	—	3	3	—	—	—	—
18	—	—	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	**33**	**30**	—	—	**3**	—	**31**	**28**	—	—	**3**	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	4	4	—	—	—	—	—	—	—	—	—	—
21	15	15	—	—	—	—	—	—	—	—	—	—
20	6	3	—	—	3	—	—	—	—	—	—	—
19	2	2	—	—	—	—	3	3	—	—	—	—
18	5	5	—	—	—	—	13	13	—	—	—	—
17	—	—	—	—	—	—	12	9	—	—	3	—
15	—	—	—	—	—	—	3	3	—	—	—	—
										Total trips:		**91**
LUDINGTON HARBOR, MI				Inbound						Outbound		
Grand Total	**418**	**258**	—	**89**	**17**	**54**	**428**	**257**	—	**93**	**17**	**61**
FOREIGN												
Total	**43**	**7**	—	**18**	—	**18**	**51**	**8**	—	**20**	**1**	**22**
25	5	5	—	—	—	—	—	—	—	—	—	—
24	2	2	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
19	—	—	—	—	—	—	3	3	—	—	—	—
18	—	—	—	—	—	—	2	2	—	—	—	—
17	1	—	—	—	—	1	17	—	—	1	—	16
16	2	—	—	2	—	—	5	—	—	2	—	3
15	18	—	—	16	—	2	19	—	—	16	—	3
≤ 12	15	—	—	—	—	15	2	—	—	1	1	—

Trips and Drafts of Vessels, 2006
(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 - continued				Inbound						Outbound		
DOMESTIC												
Total	**375**	**251**	—	**71**	**17**	**36**	**377**	**249**	—	**73**	**16**	**39**
25	1	1	—	—	—	—	—	—	—	—	—	—
24	1	1	—	—	—	—	—	—	—	—	—	—
23	5	5	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
19	247	244	—	—	3	—	242	242	—	—	—	—
18	2	—	—	—	2	—	1	1	—	—	—	—
17	—	—	—	—	—	—	4	1	—	—	—	3
16	9	—	—	9	—	—	15	—	—	10	—	5
15	13	—	—	13	—	—	14	—	—	14	—	—
14	11	—	—	11	—	—	19	—	—	10	—	9
13	10	—	—	10	—	—	11	—	—	9	—	2
≤ 12	76	—	—	28	12	36	70	4	—	30	16	20
										Total trips:		**846**
MUSKEGON HARBOR, MI				Inbound						Outbound		
Grand Total	**170**	**97**	—	**34**	**37**	**2**	**147**	**82**	—	**30**	**34**	**1**
FOREIGN												
Total	**18**	**18**	—	—	—	—	**13**	**13**	—	—	—	—
26	3	3	—	—	—	—	—	—	—	—	—	—
25	3	3	—	—	—	—	—	—	—	—	—	—
24	2	2	—	—	—	—	—	—	—	—	—	—
23	8	8	—	—	—	—	4	4	—	—	—	—
22	1	1	—	—	—	—	5	5	—	—	—	—
21	1	1	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	—	—	—	—	—	—	2	2	—	—	—	—
DOMESTIC												
Total	**152**	**79**	—	**34**	**37**	**2**	**134**	**69**	—	**30**	**34**	**1**
27	11	11	—	—	—	—	—	—	—	—	—	—
26	16	15	—	—	1	—	—	—	—	—	—	—
25	5	4	—	—	1	—	1	1	—	—	—	—
24	8	8	—	—	—	—	1	1	—	—	—	—
23	7	7	—	—	—	—	2	2	—	—	—	—
22	6	6	—	—	—	—	2	1	—	—	1	—
21	4	3	—	—	1	—	7	7	—	—	—	—
20	12	6	—	—	6	—	9	8	—	—	1	—
19	13	11	—	—	2	—	14	14	—	—	—	—
18	3	—	—	—	3	—	9	9	—	—	—	—
17	7	3	—	4	—	—	24	17	—	4	3	—
16	30	1	—	15	14	—	28	2	—	14	12	—
15	5	1	—	1	3	—	7	4	—	—	3	—
13	10	—	—	10	—	—	8	—	—	8	—	—
≤ 12	15	3	—	4	6	2	22	3	—	4	14	1
										Total trips:		**317**
GRAND HAVEN HARBOR AND GRAND RIVER, MI				Upbound						Downbound		
Grand Total	**123**	**69**	—	**22**	**32**	—	**108**	**58**	—	**20**	**30**	—
FOREIGN												
Total	**35**	**24**	—	**7**	**4**	—	**25**	**22**	—	**2**	**1**	—
25	1	1	—	—	—	—	—	—	—	—	—	—
24	4	4	—	—	—	—	—	—	—	—	—	—
23	3	3	—	—	—	—	—	—	—	—	—	—
22	7	6	—	—	1	—	6	6	—	—	—	—
21	8	5	—	3	—	—	4	4	—	—	—	—
20	7	4	—	1	2	—	5	3	—	1	1	—
19	1	1	—	—	—	—	4	4	—	—	—	—
18	3	—	—	3	—	—	5	5	—	—	—	—
≤ 12	1	—	—	—	1	—	1	—	—	1	—	—

Trips and Drafts of Vessels, 2006
(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 - continued				Upbound						Downbound		
DOMESTIC												
Total	**88**	**45**	—	**15**	**28**	—	**83**	**36**	—	**18**	**29**	—
25	3	3	—	—	—	—	—	—	—	—	—	—
24	1	1	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	16	10	—	—	6	—	—	—	—	—	—	—
21	12	6	—	—	6	—	9	9	—	—	—	—
20	8	5	—	—	3	—	12	10	—	—	2	—
19	1	—	—	—	1	—	2	1	—	—	1	—
18	16	5	—	10	1	—	16	3	—	13	—	—
17	11	10	—	—	1	—	21	9	—	—	12	—
16	4	3	—	—	1	—	1	—	—	—	1	—
15	2	—	—	—	2	—	2	—	—	—	2	—
14	2	—	—	—	2	—	—	—	—	—	—	—
13	7	1	—	5	1	—	19	4	—	5	10	—
≤ 12	4	—	—	—	4	—	1	—	—	—	1	—
										Total trips:		**231**
HOLLAND HARBOR, MI				Inbound						Outbound		
Grand Total	**56**	**32**	—	**12**	**12**	—	**55**	**27**	—	**14**	**14**	—
FOREIGN												
Total	**1**	**1**	—	—	—	—	**5**	**1**	—	**2**	**2**	—
24	1	1	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	1	—	—	—	1	—
16	—	—	—	—	—	—	1	—	—	—	1	—
10	—	—	—	—	—	—	2	—	—	2	—	—
DOMESTIC												
Total	**55**	**31**	—	**12**	**12**	—	**50**	**26**	—	**12**	**12**	—
23	2	2	—	—	—	—	—	—	—	—	—	—
21	4	4	—	—	—	—	8	8	—	—	—	—
20	19	16	—	—	3	—	3	3	—	—	—	—
19	8	2	—	—	6	—	1	—	—	—	1	—
18	1	1	—	—	—	—	6	6	—	—	—	—
17	4	4	—	—	—	—	9	9	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
14	3	—	—	—	3	—	—	—	—	—	—	—
13	12	—	—	12	—	—	11	—	—	11	—	—
12	1	1	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	11	—	—	—	11	—
9	—	—	—	—	—	—	1	—	—	1	—	—
										Total trips:		**111**
ST. JOSEPH HARBOR, MI				Upbound						Downbound		
Grand Total	**100**	**33**	—	**36**	**31**	—	**89**	**32**	—	**30**	**27**	—
FOREIGN												
Total	**4**	**4**	—	—	—	—	**1**	**1**	—	—	—	—
21	1	1	—	—	—	—	—	—	—	—	—	—
20	3	3	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	**96**	**29**	—	**36**	**31**	—	**88**	**31**	—	**30**	**27**	—
23	2	2	—	—	—	—	—	—	—	—	—	—
20	18	13	—	—	5	—	4	4	—	—	—	—
19	2	1	—	—	1	—	2	1	—	—	1	—
18	7	2	—	2	3	—	9	7	—	2	—	—
17	8	—	—	6	2	—	22	15	—	5	2	—
16	30	—	—	17	13	—	37	—	—	18	19	—
15	1	—	—	—	1	—	1	1	—	—	—	—
13	1	—	—	1	—	—	1	—	—	1	—	—
≤ 12	27	11	—	10	6	—	12	3	—	4	5	—
										Total trips:		**189**

Trips and Drafts of Vessels, 2006
(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
MILWAUKEE HARBOR, WI			Inbound						Outbound			
Grand Total	**1,265**	**242**	—	**568**	**426**	**29**	**1,238**	**235**	—	**550**	**426**	**27**
FOREIGN												
Total	**128**	**128**	—	—	—	—	**121**	**121**	—	—	—	—
28	1	1	—	—	—	—	—	—	—	—	—	—
27	5	5	—	—	—	—	17	17	—	—	—	—
26	20	20	—	—	—	—	10	10	—	—	—	—
25	6	6	—	—	—	—	4	4	—	—	—	—
24	13	13	—	—	—	—	12	12	—	—	—	—
23	20	20	—	—	—	—	7	7	—	—	—	—
22	26	26	—	—	—	—	32	32	—	—	—	—
21	11	11	—	—	—	—	23	23	—	—	—	—
20	14	14	—	—	—	—	9	9	—	—	—	—
19	3	3	—	—	—	—	3	3	—	—	—	—
18	4	4	—	—	—	—	1	1	—	—	—	—
17	2	2	—	—	—	—	1	1	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	1	1	—	—	—	—
14	1	1	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	**1,137**	**114**	—	**568**	**426**	**29**	**1,117**	**114**	—	**550**	**426**	**27**
26	3	3	—	—	—	—	—	—	—	—	—	—
25	11	10	—	—	1	—	—	—	—	—	—	—
24	61	34	—	—	27	—	1	—	—	—	1	—
23	35	24	—	—	11	—	3	2	—	—	1	—
22	6	5	—	—	1	—	—	—	—	—	—	—
21	4	2	—	—	2	—	6	6	—	—	—	—
20	26	11	—	—	15	—	9	5	—	—	4	—
19	13	9	—	—	3	1	32	32	—	—	—	—
18	45	—	—	27	3	15	55	21	—	30	4	—
17	24	4	—	15	3	2	18	6	—	11	—	1
16	70	10	—	43	8	9	93	6	—	41	46	—
15	14	—	—	12	1	1	13	—	—	12	1	—
14	1	—	—	1	—	—	1	—	—	1	—	—
13	102	1	—	100	1	—	125	22	—	88	15	—
≤ 12	722	1	—	370	350	1	761	14	—	367	354	26
										Total trips:		**2,503**

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
MANITOWOC HARBOR, WI			Inbound						Outbound			
Grand Total	**560**	**253**	—	**176**	**131**	—	**597**	**253**	—	**213**	**131**	—
DOMESTIC												
Total	**560**	**253**	—	**176**	**131**	—	**597**	**253**	—	**213**	**131**	—
21	5	5	—	—	—	—	5	5	—	—	—	—
20	18	3	—	—	15	—	1	—	—	—	1	—
19	244	242	—	—	2	—	244	244	—	—	—	—
18	30	—	—	29	1	—	26	—	—	26	—	—
17	1	—	—	—	1	—	—	—	—	—	—	—
16	7	2	—	—	5	—	3	2	—	1	—	—
15	2	—	—	1	1	—	1	—	—	1	—	—
13	68	1	—	63	4	—	95	2	—	68	25	—
≤ 12	185	—	—	83	102	—	222	—	—	117	105	—
										Total trips:		**1,157**

Trips and Drafts of Vessels, 2006
(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												
	Upbound						Downbound					
Grand Total	**262**	**185**	**8**	**35**	**32**	**2**	**228**	**156**	**7**	**32**	**31**	**2**
FOREIGN												
Total	**72**	**63**	**8**	**1**	—	—	**54**	**45**	**7**	**1**	**1**	—
27	—	—	—	—	—	—	1	1	—	—	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
24	11	11	—	—	—	—	2	2	—	—	—	—
23	18	18	—	—	—	—	6	6	—	—	—	—
22	12	12	—	—	—	—	14	14	—	—	—	—
21	13	12	—	1	—	—	13	13	—	—	—	—
20	5	2	3	—	—	—	4	4	—	—	—	—
19	12	7	5	—	—	—	4	4	—	—	—	—
18	—	—	—	—	—	—	1	1	—	—	—	—
15	—	—	—	—	—	—	7	—	7	—	—	—
≤ 12	—	—	—	—	—	—	2	—	—	1	1	—
DOMESTIC												
Total	**190**	**122**	—	**34**	**32**	**2**	**174**	**111**	—	**31**	**30**	**2**
27	—	—	—	—	—	—	1	1	—	—	—	—
26	1	—	—	1	—	—	1	—	—	1	—	—
24	12	11	—	—	1	—	1	—	—	—	1	—
23	23	19	—	—	4	—	3	3	—	—	—	—
22	37	32	—	—	5	—	15	14	—	—	1	—
21	23	21	—	—	2	—	7	7	—	—	—	—
20	13	13	—	—	—	—	34	34	—	—	—	—
19	23	18	—	—	5	—	13	13	—	—	—	—
18	22	6	—	14	1	1	25	12	—	12	1	—
17	9	—	—	4	5	—	28	22	—	4	2	—
16	14	—	—	7	6	1	23	1	—	7	15	—
15	1	—	—	1	—	—	4	3	—	1	—	—
13	7	—	—	5	2	—	8	—	—	4	4	—
≤ 12	5	2	—	2	1	—	11	1	—	2	6	2
										Total trips:		**490**
ALPENA HARBOR, MI												
	Inbound						Outbound					
Grand Total	**377**	**191**	—	**92**	**94**	—	**360**	**163**	—	**97**	**100**	—
FOREIGN												
Total	**75**	**71**	—	**3**	**1**	—	**38**	**36**	—	**2**	—	—
26	—	—	—	—	—	—	1	1	—	—	—	—
25	—	—	—	—	—	—	2	2	—	—	—	—
24	1	1	—	—	—	—	4	4	—	—	—	—
23	3	3	—	—	—	—	5	5	—	—	—	—
22	14	14	—	—	—	—	1	1	—	—	—	—
21	15	14	—	1	—	—	3	3	—	—	—	—
20	26	23	—	2	1	—	8	6	—	2	—	—
19	4	4	—	—	—	—	9	9	—	—	—	—
18	9	9	—	—	—	—	4	4	—	—	—	—
17	2	2	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	**302**	**120**	—	**89**	**93**	—	**322**	**127**	—	**95**	**100**	—
28	—	—	—	—	—	—	1	—	—	—	1	—
26	—	—	—	—	—	—	1	—	—	—	1	—
24	8	1	—	—	7	—	103	49	—	—	54	—
23	18	13	—	—	5	—	47	27	—	—	20	—
22	17	14	—	—	3	—	12	4	—	—	8	—
21	19	16	—	—	3	—	12	9	—	—	3	—
20	73	69	—	—	4	—	10	4	—	—	6	—
19	6	3	—	—	3	—	9	7	—	—	2	—
18	11	2	—	8	1	—	18	5	—	12	1	—
17	21	1	—	18	2	—	39	18	—	18	3	—
16	125	—	—	63	62	—	67	1	—	65	1	—
15	3	—	—	—	3	—	2	2	—	—	—	—
14	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—
										Total trips:		**737**

Trips and Drafts of Vessels, 2006
(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
MENOMINEE HARBOR AND RIVER, MI AND WI		Inbound						Outbound				
Grand Total	**71**	**41**	—	**15**	**15**	—	**65**	**39**	—	**13**	**13**	—
FOREIGN												
Total	**40**	**38**	—	**1**	**1**	—	**35**	**35**	—	—	—	—
25	2	2	—	—	—	—	1	1	—	—	—	—
24	14	14	—	—	—	—	—	—	—	—	—	—
23	13	13	—	—	—	—	6	6	—	—	—	—
22	5	5	—	—	—	—	4	4	—	—	—	—
21	4	4	—	—	—	—	13	13	—	—	—	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	—	—	—	—	—	—	2	2	—	—	—	—
18	—	—	—	—	—	—	2	2	—	—	—	—
17	—	—	—	—	—	—	3	3	—	—	—	—
16	—	—	—	—	—	—	1	1	—	—	—	—
14	1	—	—	1	—	—	1	1	—	—	—	—
≤ 12	1	—	—	—	1	—	—	—	—	—	—	—
DOMESTIC												
Total	**31**	**3**	—	**14**	**14**	—	**30**	**4**	—	**13**	**13**	—
22	1	1	—	—	—	—	—	—	—	—	—	—
21	1	1	—	—	—	—	—	—	—	—	—	—
20	5	1	—	—	4	—	—	—	—	—	—	—
19	4	—	—	—	4	—	1	1	—	—	—	—
18	1	—	—	—	1	—	3	3	—	—	—	—
17	1	—	—	—	1	—	—	—	—	—	—	—
14	—	—	—	—	—	—	1	—	—	—	1	—
13	10	—	—	10	—	—	9	—	—	9	—	—
≤ 12	8	—	—	4	4	—	16	—	—	4	12	—
										Total trips:		**136**

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	**349**	**181**	**6**	**76**	**50**	**36**	**393**	**219**	**6**	**83**	**47**	**38**
FOREIGN												
Total	**88**	**67**	**6**	**8**	**3**	**4**	**89**	**67**	**6**	**9**	**5**	**2**
26	—	—	—	—	—	—	1	1	—	—	—	—
25	—	—	—	—	—	—	6	6	—	—	—	—
24	1	1	—	—	—	—	16	16	—	—	—	—
23	5	5	—	—	—	—	4	4	—	—	—	—
22	16	16	—	—	—	—	7	7	—	—	—	—
21	8	8	—	—	—	—	25	23	1	1	—	—
20	13	13	—	—	—	—	14	8	—	1	5	—
19	10	9	—	1	—	—	1	1	—	—	—	—
18	17	15	2	—	—	—	2	1	—	—	—	1
17	5	—	4	—	—	1	2	—	1	—	—	1
16	—	—	—	—	—	—	2	—	—	2	—	—
15	1	—	—	1	—	—	2	—	2	—	—	—
14	1	—	—	1	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	1	—	1	—	—	—
≤ 12	11	—	—	5	3	3	6	—	1	5	—	—
DOMESTIC												
Total	**261**	**114**	—	**68**	**47**	**32**	**304**	**152**	—	**74**	**42**	**36**
26	19	—	—	19	—	—	22	—	—	22	—	—
25	8	—	—	—	8	—	17	6	—	—	11	—
24	5	3	—	—	2	—	28	20	—	—	8	—
23	2	2	—	—	—	—	38	38	—	—	—	—
22	3	—	—	—	3	—	25	23	—	—	2	—
21	12	5	—	—	7	—	19	18	—	—	1	—
20	5	2	—	—	3	—	13	10	—	—	3	—
19	21	21	—	—	—	—	17	15	—	—	2	—
18	35	33	—	1	1	—	16	2	—	—	2	12
17	56	43	—	3	9	1	17	1	—	3	3	10
16	16	5	—	8	3	—	24	9	—	9	1	5
15	24	—	—	24	—	—	26	—	—	26	—	—
14	2	—	—	2	—	—	4	—	—	2	—	2
13	3	—	—	3	—	—	5	—	—	3	—	2
≤ 12	50	—	—	8	11	31	33	10	—	9	9	5
										Total trips:		**742**

Trips and Drafts of Vessels, 2006
(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												
	Upbound						Downbound					
Grand Total	**4,737**	**3,605**	**69**	**555**	**301**	**207**	**3,481**	**2,487**	**63**	**482**	**259**	**190**
FOREIGN												
Total	**3,283**	**2,608**	**69**	**351**	**112**	**143**	**1,960**	**1,399**	**63**	**283**	**74**	**141**
30	—	—	—	—	—	—	1	1	—	—	—	—
29	5	2	3	—	—	—	4	—	4	—	—	—
28	12	8	4	—	—	—	14	14	—	—	—	—
27	267	259	4	1	3	—	490	463	—	5	22	—
26	90	90	—	—	—	—	178	165	—	—	13	—
25	133	129	2	—	2	—	117	109	2	—	6	—
24	324	321	—	2	1	—	107	99	6	1	1	—
23	529	495	3	29	1	1	97	93	—	—	4	—
22	352	345	3	—	4	—	164	157	2	1	4	—
21	385	369	5	9	2	—	136	124	4	2	—	6
20	336	241	15	79	1	—	96	70	3	17	4	2
19	179	150	20	5	—	4	92	45	3	42	—	2
18	99	79	—	14	—	6	71	30	6	15	3	17
17	67	21	2	8	24	12	47	14	8	5	2	18
16	151	25	—	108	1	17	132	3	—	99	—	30
15	136	43	7	32	48	6	62	7	24	28	—	3
14	16	6	—	—	2	8	5	2	1	—	—	2
13	13	6	—	5	—	2	8	1	—	5	—	2
≤ 12	189	19	1	59	23	87	139	2	—	63	15	59
DOMESTIC												
Total	**1,454**	**997**	**—**	**204**	**189**	**64**	**1,521**	**1,088**	**—**	**199**	**185**	**49**
28	—	—	—	—	—	—	53	50	—	—	3	—
27	4	4	—	—	—	—	342	323	—	—	19	—
26	63	23	—	36	4	—	326	261	—	33	32	—
25	32	10	—	—	22	—	175	123	—	—	52	—
24	38	28	—	—	10	—	124	94	—	—	30	—
23	149	131	—	—	18	—	67	56	—	—	11	—
22	84	57	—	—	27	—	54	50	—	—	4	—
21	45	39	—	—	6	—	33	31	—	—	2	—
20	80	73	—	—	5	2	40	36	—	—	4	—
19	367	345	—	12	4	6	59	34	—	19	6	—
18	245	135	—	51	52	7	19	5	—	7	5	2
17	133	90	—	27	8	8	69	7	—	61	—	1
16	95	45	—	27	17	6	45	3	—	27	1	14
15	12	5	—	6	1	—	9	1	—	8	—	—
13	12	—	—	11	1	—	12	—	—	11	—	1
≤ 12	95	12	—	34	14	35	94	14	—	33	16	31
										Total trips:		**8,218**

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
MARYSVILLE, MI												
	Inbound						Outbound					
Grand Total	**91**	**61**	**—**	**15**	**15**	**—**	**90**	**57**	**—**	**15**	**17**	**1**
FOREIGN												
Total	**41**	**30**	**—**	**8**	**3**	**—**	**41**	**28**	**—**	**8**	**4**	**1**
28	1	1	—	—	—	—	—	—	—	—	—	—
27	13	13	—	—	—	—	—	—	—	—	—	—
26	5	4	—	—	1	—	1	—	—	—	1	—
25	6	4	—	—	2	—	4	2	—	—	2	—
24	1	1	—	—	—	—	1	1	—	—	—	—
23	—	—	—	—	—	—	6	6	—	—	—	—
22	1	1	—	—	—	—	3	3	—	—	—	—
21	4	4	—	—	—	—	4	4	—	—	—	—
20	4	1	—	3	—	—	7	5	—	2	—	—
19	2	1	—	1	—	—	4	2	—	2	—	—
18	3	—	—	3	—	—	7	4	—	3	—	—
17	—	—	—	—	—	—	3	1	—	—	1	1
16	—	—	—	—	—	—	1	—	—	1	—	—
≤ 12	1	—	—	1	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2006
(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
MARYSVILLE, MI - continued				Inbound						Outbound		
DOMESTIC												
Total	**50**	**31**	—	**7**	**12**	—	**49**	**29**	—	**7**	**13**	—
26	8	4	—	3	1	—	3	—	—	3	—	—
25	11	3	—	—	8	—	1	—	—	—	1	—
24	6	4	—	—	2	—	1	—	—	—	1	—
23	3	3	—	—	—	—	—	—	—	—	—	—
22	5	4	—	—	1	—	6	4	—	—	2	—
21	5	5	—	—	—	—	—	—	—	—	—	—
20	3	3	—	—	—	—	2	2	—	—	—	—
19	5	5	—	—	—	—	7	7	—	—	—	—
18	—	—	—	—	—	—	13	6	—	3	4	—
17	4	—	—	4	—	—	16	10	—	1	5	—
										Total trips:		**181**
ST. CLAIR, MI				Inbound						Outbound		
Grand Total	**139**	**99**	—	**20**	—	**20**	**135**	**95**	—	**20**	—	**20**
DOMESTIC												
Total	**139**	**99**	—	**20**	—	**20**	**135**	**95**	—	**20**	—	**20**
28	1	1	—	—	—	—	—	—	—	—	—	—
27	64	64	—	—	—	—	—	—	—	—	—	—
26	13	13	—	—	—	—	—	—	—	—	—	—
25	10	10	—	—	—	—	—	—	—	—	—	—
24	7	7	—	—	—	—	1	1	—	—	—	—
23	1	1	—	—	—	—	5	5	—	—	—	—
22	—	—	—	—	—	—	21	21	—	—	—	—
20	1	1	—	—	—	—	2	2	—	—	—	—
19	2	2	—	—	—	—	39	39	—	—	—	—
16	—	—	—	—	—	—	5	5	—	—	—	—
≤ 12	40	—	—	20	—	20	62	22	—	20	—	20
										Total trips:		**274**
MARINE CITY, MI				Inbound						Outbound		
Grand Total	**120**	**67**	—	**26**	**27**	—	**125**	**64**	—	**30**	**31**	—
FOREIGN												
Total	**8**	**6**	—	**1**	**1**	—	**15**	**5**	—	**5**	**5**	—
27	2	2	—	—	—	—	—	—	—	—	—	—
26	2	2	—	—	—	—	1	1	—	—	—	—
25	2	2	—	—	—	—	—	—	—	—	—	—
24	1	—	—	—	1	—	—	—	—	—	—	—
23	—	—	—	—	—	—	3	3	—	—	—	—
20	1	—	—	1	—	—	3	—	—	3	—	—
19	—	—	—	—	—	—	1	—	—	1	—	—
18	—	—	—	—	—	—	1	1	—	—	—	—
17	—	—	—	—	—	—	6	—	—	1	5	—
DOMESTIC												
Total	**112**	**61**	—	**25**	**26**	—	**110**	**59**	—	**25**	**26**	—
28	15	15	—	—	—	—	—	—	—	—	—	—
27	34	34	—	—	—	—	—	—	—	—	—	—
26	11	8	—	2	1	—	3	—	—	2	1	—
25	15	1	—	—	14	—	—	—	—	—	—	—
24	12	2	—	—	10	—	2	—	—	—	2	—
23	2	1	—	—	1	—	52	52	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
18	—	—	—	—	—	—	48	4	—	21	23	—
17	23	—	—	23	—	—	4	2	—	2	—	—
										Total trips:		**245**

Trips and Drafts of Vessels, 2006
(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												
	Upbound						Downbound					
Grand Total	**3,292**	**2,536**	**30**	**377**	**225**	**124**	**2,876**	**2,169**	**20**	**358**	**216**	**113**
FOREIGN												
Total	**2,052**	**1,688**	**30**	**202**	**72**	**60**	**1,567**	**1,249**	**20**	**178**	**56**	**64**
30	—	—	—	—	—	—	1	1	—	—	—	—
29	4	2	2	—	—	—	3	—	3	—	—	—
28	7	5	2	—	—	—	13	13	—	—	—	—
27	159	154	2	1	2	—	468	441	—	5	22	—
26	64	64	—	—	—	—	147	135	—	—	12	—
25	68	67	1	—	—	—	82	79	1	—	2	—
24	220	217	—	2	1	—	86	81	3	1	1	—
23	308	294	2	10	1	1	83	79	—	—	4	—
22	244	240	1	—	3	—	154	149	—	1	4	—
21	236	225	2	9	—	—	120	116	2	2	—	—
20	227	168	3	55	1	—	78	67	1	8	1	1
19	113	102	9	1	—	1	86	44	3	38	—	1
18	49	41	—	8	—	—	39	20	1	8	1	9
17	31	19	1	4	2	5	26	13	—	3	—	10
16	96	21	—	66	1	8	82	2	—	66	—	14
15	115	43	4	18	47	3	26	4	5	16	—	1
14	9	5	—	—	1	3	4	2	1	—	—	1
13	7	6	—	1	—	—	3	1	—	1	—	1
≤ 12	95	15	1	27	13	39	66	2	—	29	9	26
DOMESTIC												
Total	**1,240**	**848**	**—**	**175**	**153**	**64**	**1,309**	**920**	**—**	**180**	**160**	**49**
28	—	—	—	—	—	—	37	34	—	—	3	—
27	4	4	—	—	—	—	244	225	—	—	19	—
26	57	23	—	31	3	—	307	244	—	32	31	—
25	31	10	—	—	21	—	148	109	—	—	39	—
24	35	28	—	—	7	—	105	84	—	—	21	—
23	93	75	—	—	18	—	61	51	—	—	10	—
22	73	48	—	—	25	—	50	47	—	—	3	—
21	45	39	—	—	6	—	32	30	—	—	2	—
20	76	69	—	—	5	2	38	34	—	—	4	—
19	321	299	—	12	4	6	57	32	—	19	6	—
18	189	125	—	29	28	7	19	5	—	7	5	2
17	116	80	—	25	3	8	51	7	—	43	—	1
16	90	40	—	27	17	6	45	3	—	27	1	14
15	12	5	—	6	1	—	9	1	—	8	—	—
13	12	—	—	11	1	—	12	—	—	11	—	1
≤ 12	86	3	—	34	14	35	94	14	—	33	16	31
										Total trips:		**6,168**

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 RIVER, MI												
	Upbound						Downbound					
Grand Total	**5,845**	**4,055**	**30**	**905**	**272**	**583**	**3,872**	**2,784**	**20**	**539**	**266**	**263**
FOREIGN												
Total	**3,687**	**3,124**	**30**	**321**	**103**	**109**	**2,215**	**1,751**	**20**	**247**	**73**	**124**
32	2	2	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	4	2	2	—	—	—	3	—	3	—	—	—
28	8	6	2	—	—	—	14	14	—	—	—	—
27	207	200	2	1	4	—	480	448	—	5	27	—
26	132	128	—	—	4	—	182	170	—	—	12	—
25	133	132	1	—	—	—	154	151	1	—	2	—
24	306	299	—	3	4	—	140	135	3	1	1	—
23	581	558	2	19	1	1	194	190	—	—	4	—
22	419	410	1	—	8	—	182	175	—	1	6	—
21	513	491	2	20	—	—	164	154	2	8	—	—
20	521	425	3	79	4	10	116	92	1	11	1	11
19	225	187	9	24	—	5	132	75	3	41	—	13
18	105	94	—	11	—	—	63	37	1	15	1	9
17	52	30	1	8	7	6	39	22	—	6	1	10
16	112	21	—	78	2	11	110	3	—	81	—	26
15	144	55	4	33	47	5	62	21	5	31	—	5
14	10	6	—	—	1	3	7	4	1	—	—	2
13	8	7	—	1	—	—	8	5	—	1	—	2
≤ 12	205	71	1	44	21	68	164	54	—	46	18	46

Trips and Drafts of Vessels, 2006
(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 RIVER, MI - continued				Upbound						Downbound		
DOMESTIC												
Total	**2,158**	**931**	—	**584**	**169**	**474**	**1,657**	**1,033**	—	**292**	**193**	**139**
28	1	1	—	—	—	—	38	35	—	—	3	—
27	4	4	—	—	—	—	244	225	—	—	19	—
26	57	23	—	31	3	—	307	244	—	32	31	—
25	36	10	—	—	26	—	150	111	—	—	39	—
24	37	31	—	—	6	—	109	86	—	—	23	—
23	119	100	—	—	19	—	60	51	—	—	9	—
22	92	68	—	—	24	—	58	54	—	—	4	—
21	52	46	—	—	6	—	34	32	—	—	2	—
20	82	74	—	—	6	2	47	42	—	—	5	—
19	324	301	—	12	4	7	112	38	—	20	5	49
18	197	130	—	30	28	9	128	73	—	22	19	14
17	132	82	—	39	3	8	78	9	—	61	2	6
16	111	41	—	39	24	7	79	4	—	40	15	20
15	70	5	—	63	1	1	69	1	—	66	—	2
13	16	—	—	14	1	1	16	—	—	14	—	2
≤ 12	828	15	—	356	18	439	128	28	—	37	17	46
										Total trips:		**9,717**

DETROIT HARBOR, MI				Inbound						Outbound		
Grand Total	**317**	**232**	—	**40**	**45**	—	**329**	**243**	—	**42**	**44**	—
FOREIGN												
Total	**95**	**93**	—	**1**	**1**	—	**119**	**108**	—	**7**	**4**	—
27	22	22	—	—	—	—	2	2	—	—	—	—
26	28	28	—	—	—	—	1	1	—	—	—	—
25	14	14	—	—	—	—	21	21	—	—	—	—
24	14	14	—	—	—	—	34	34	—	—	—	—
23	3	3	—	—	—	—	22	20	—	2	—	—
22	1	1	—	—	—	—	9	9	—	—	—	—
21	5	5	—	—	—	—	8	8	—	—	—	—
20	5	5	—	—	—	—	7	7	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
18	1	1	—	—	—	—	4	3	—	1	—	—
17	—	—	—	—	—	—	2	2	—	—	—	—
15	—	—	—	—	—	—	2	—	—	2	—	—
≤ 12	2	—	—	1	1	—	6	—	—	2	4	—
DOMESTIC												
Total	**222**	**139**	—	**39**	**44**	—	**210**	**135**	—	**35**	**40**	—
28	4	4	—	—	—	—	—	—	—	—	—	—
27	46	46	—	—	—	—	1	1	—	—	—	—
26	47	29	—	7	11	—	10	4	—	6	—	—
25	20	13	—	—	7	—	10	4	—	—	6	—
24	25	15	—	—	10	—	2	2	—	—	—	—
23	12	8	—	—	4	—	3	3	—	—	—	—
22	10	7	—	—	3	—	13	5	—	—	8	—
21	7	6	—	—	1	—	4	4	—	—	—	—
20	6	4	—	—	2	—	7	7	—	—	—	—
19	10	1	—	9	—	—	67	61	—	5	1	—
18	4	—	—	4	—	—	21	15	—	5	1	—
17	4	—	—	4	—	—	8	1	—	4	3	—
16	20	1	—	14	5	—	43	9	—	14	20	—
≤ 12	7	5	—	1	1	—	21	19	—	1	1	—
										Total trips:		**646**

Trips and Drafts of Vessels, 2006
(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				Inbound					Outbound			
Grand Total	**1,173**	**346**	—	**401**	**89**	**337**	**1,254**	**399**	—	**412**	**93**	**350**
FOREIGN												
Total	**298**	**104**	—	**89**	**38**	**67**	**350**	**154**	—	**91**	**40**	**65**
28	—	—	—	—	—	—	2	2	—	—	—	—
27	40	19	—	—	21	—	2	2	—	—	—	—
26	40	28	—	—	12	—	2	2	—	—	—	—
25	15	14	—	—	1	—	2	2	—	—	—	—
24	6	5	—	—	1	—	22	22	—	—	—	—
23	6	5	—	—	1	—	30	28	—	2	—	—
22	3	3	—	—	—	—	22	22	—	—	—	—
21	4	4	—	—	—	—	18	18	—	—	—	—
20	15	7	—	7	1	—	64	12	—	38	—	14
19	31	—	—	31	—	—	21	9	—	1	—	11
18	2	—	—	—	—	2	6	6	—	—	—	—
17	6	—	—	4	—	2	8	2	—	3	3	—
16	28	1	—	16	1	10	31	1	—	17	—	13
15	28	14	—	13	—	1	65	12	—	12	37	4
14	1	1	—	—	—	—	3	2	—	—	—	1
13	3	2	—	—	—	1	1	—	—	—	—	1
≤ 12	70	1	—	18	—	51	51	12	—	18	—	21
DOMESTIC												
Total	**875**	**242**	—	**312**	**51**	**270**	**904**	**245**	—	**321**	**53**	**285**
28	30	30	—	—	—	—	1	1	—	—	—	—
27	90	78	—	—	12	—	—	—	—	—	—	—
26	28	21	—	1	6	—	1	—	—	1	—	—
25	42	27	—	—	15	—	7	6	—	—	1	—
24	20	17	—	—	3	—	3	3	—	—	—	—
23	26	23	—	—	3	—	5	2	—	—	3	—
22	23	23	—	—	—	—	11	11	—	—	—	—
21	5	5	—	—	—	—	4	4	—	—	—	—
20	6	6	—	—	—	—	21	17	—	—	4	—
19	9	1	—	1	—	7	84	36	—	—	3	45
18	8	4	—	—	1	3	215	128	—	36	39	12
17	52	1	—	51	—	—	49	26	—	18	—	5
16	16	—	—	11	3	2	29	8	—	10	3	8
15	59	—	—	57	—	2	62	—	—	61	—	1
13	8	—	—	8	—	—	12	—	—	10	—	2
≤ 12	453	6	—	183	8	256	400	3	—	185	—	212
										Total trips:		**2,427**

PORT OF DETROIT, MI				Inbound					Outbound			
Grand Total	**1,535**	**610**	—	**446**	**136**	**343**	**1,616**	**672**	—	**458**	**137**	**349**
FOREIGN												
Total	**414**	**211**	—	**94**	**41**	**68**	**501**	**285**	—	**103**	**45**	**68**
32	—	—	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
27	63	41	—	—	22	—	5	4	—	—	1	—
26	68	56	—	—	12	—	3	3	—	—	—	—
25	30	29	—	—	1	—	23	23	—	—	—	—
24	22	21	—	—	1	—	56	56	—	—	—	—
23	13	12	—	—	1	—	57	53	—	4	—	—
22	5	5	—	—	—	—	33	33	—	—	—	—
21	12	12	—	—	—	—	28	28	—	—	—	—
20	22	14	—	7	1	—	76	24	—	38	—	14
19	31	—	—	31	—	—	25	11	—	2	—	12
18	4	1	—	1	—	2	17	15	—	2	—	—
17	7	1	—	4	—	2	11	5	—	3	3	—
16	28	1	—	16	1	10	32	1	—	18	—	13
15	28	14	—	13	—	1	67	12	—	14	37	4
14	1	1	—	—	—	—	3	2	—	—	—	1
13	3	2	—	—	—	1	1	—	—	—	—	1
≤ 12	77	1	—	22	2	52	62	13	—	22	4	23

Trips and Drafts of Vessels, 2006
(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 - continued				Inbound						Outbound		
DOMESTIC												
Total	**1,121**	**399**	—	**352**	**95**	**275**	**1,115**	**387**	—	**355**	**92**	**281**
28	34	34	—	—	—	—	1	1	—	—	—	—
27	136	124	—	—	12	—	1	1	—	—	—	—
26	75	50	—	8	17	—	11	4	—	7	—	—
25	62	40	—	—	22	—	17	10	—	—	7	—
24	45	32	—	—	13	—	5	5	—	—	—	—
23	41	34	—	—	7	—	8	5	—	—	3	—
22	34	31	—	—	3	—	26	18	—	—	8	—
21	15	14	—	—	1	—	8	8	—	—	—	—
20	14	12	—	—	2	—	28	24	—	—	4	—
19	22	5	—	9	—	8	156	102	—	6	4	44
18	14	6	—	4	1	3	238	145	—	41	40	12
17	57	2	—	55	—	—	60	30	—	22	3	5
16	37	2	—	25	8	2	73	20	—	23	22	8
15	61	—	—	59	—	2	61	—	—	60	—	1
13	8	—	—	8	—	—	12	—	—	10	—	2
≤ 12	466	13	—	184	9	260	410	14	—	186	1	209
										Total trips:		**3,151**
MONROE HARBOR, MI				Inbound						Outbound		
Grand Total	**106**	**46**	—	**30**	**5**	**25**	**102**	**50**	—	**26**	**5**	**21**
FOREIGN												
Total	**18**	—	—	**9**	—	**9**	**15**	**5**	—	**5**	—	**5**
23	—	—	—	—	—	—	1	1	—	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
20	1	—	—	1	—	—	3	2	—	1	—	—
19	1	—	—	1	—	—	1	—	—	1	—	—
18	3	—	—	—	—	3	1	1	—	—	—	—
17	—	—	—	—	—	—	2	—	—	—	—	2
16	7	—	—	4	—	3	2	—	—	2	—	—
14	1	—	—	—	—	1	—	—	—	—	—	—
12	3	—	—	3	—	—	1	—	—	1	—	—
10	1	—	—	—	—	1	—	—	—	—	—	—
9	1	—	—	—	—	1	—	—	—	—	—	—
8	—	—	—	—	—	—	3	—	—	—	—	3
DOMESTIC												
Total	**88**	**46**	—	**21**	**5**	**16**	**87**	**45**	—	**21**	**5**	**16**
25	1	1	—	—	—	—	1	1	—	—	—	—
24	4	4	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	19	19	—	—	—	—	7	7	—	—	—	—
21	—	—	—	—	—	—	2	2	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	5	3	—	—	—	2	35	35	—	—	—	—
18	8	4	—	—	—	4	—	—	—	—	—	—
17	5	—	—	1	—	4	—	—	—	—	—	—
16	9	—	—	3	—	6	1	—	—	1	—	—
15	8	—	—	8	—	—	11	—	—	11	—	—
13	1	—	—	1	—	—	1	—	—	1	—	—
12	13	13	—	—	—	—	—	—	—	—	—	—
9	4	—	—	4	—	—	4	—	—	3	—	1
8	—	—	—	—	—	—	5	—	—	1	—	4
7	—	—	—	—	—	—	1	—	—	—	—	1
6	3	—	—	3	—	—	12	—	—	3	—	9
5	1	—	—	1	—	—	2	—	—	1	—	1
2	5	—	—	—	5	—	5	—	—	—	5	—
										Total trips:		**208**

Trips and Drafts of Vessels, 2006
(draft in feet)

CALCITE, MI

Draft	Inbound: Self Propelled Vessels				Inbound: Non-Self Propelled Vessels		Outbound: Self Propelled Vessels				Outbound: 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 Total	**403**	**327**	**8**	**33**	**35**	—	**353**	**283**	**7**	**29**	**34**	—
FOREIGN												
Total	**125**	**107**	**8**	**7**	**3**	—	**62**	**55**	**7**	—	—	—
27	—	—	—	—	—	—	2	2	—	—	—	—
26	—	—	—	—	—	—	5	5	—	—	—	—
25	—	—	—	—	—	—	21	21	—	—	—	—
24	2	2	—	—	—	—	5	5	—	—	—	—
23	20	18	—	2	—	—	11	11	—	—	—	—
22	13	12	1	—	—	—	2	2	—	—	—	—
21	42	40	1	1	—	—	4	4	—	—	—	—
20	29	22	3	4	—	—	2	1	1	—	—	—
19	10	8	2	—	—	—	6	3	3	—	—	—
18	3	3	—	—	—	—	1	1	—	—	—	—
17	3	—	—	—	3	—	—	—	—	—	—	—
15	—	—	—	—	—	—	3	—	3	—	—	—
12	2	1	1	—	—	—	—	—	—	—	—	—
11	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	**278**	**220**	—	**26**	**32**	—	**291**	**228**	—	**29**	**34**	—
26	4	2	—	2	—	—	25	22	—	3	—	—
25	3	2	—	—	1	—	95	83	—	—	12	—
24	10	10	—	—	—	—	85	73	—	—	12	—
23	—	—	—	—	—	—	24	23	—	—	1	—
22	19	17	—	—	2	—	17	17	—	—	—	—
21	11	11	—	—	—	—	3	3	—	—	—	—
20	15	15	—	—	—	—	6	6	—	—	—	—
19	61	61	—	—	—	—	5	1	—	2	2	—
18	59	25	—	17	17	—	2	—	—	—	2	—
17	58	55	—	—	3	—	17	—	—	17	—	—
16	12	12	—	—	—	—	—	—	—	—	—	—
15	7	7	—	—	—	—	—	—	—	—	—	—
13	4	—	—	4	—	—	4	—	—	4	—	—
12	2	2	—	—	—	—	—	—	—	—	—	—
10	5	1	—	—	4	—	—	—	—	—	—	—
6	3	—	—	3	—	—	3	—	—	3	—	—
2	5	—	—	—	5	—	5	—	—	—	5	—
										Total trips:		**756**

ESCANABA, MI

Draft	Inbound: Self Propelled Vessels				Inbound: Non-Self Propelled Vessels		Outbound: Self Propelled Vessels				Outbound: 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 Total	**177**	**151**	—	**13**	**13**	—	**173**	**150**	—	**11**	**12**	—
FOREIGN												
Total	**8**	**6**	—	**2**	—	—	**3**	**2**	—	**1**	—	—
24	1	1	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	1	1	—	—	—	—	1	1	—	—	—	—
21	3	3	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
9	1	—	—	1	—	—	—	—	—	—	—	—
4	1	—	—	1	—	—	1	—	—	1	—	—
DOMESTIC												
Total	**169**	**145**	—	**11**	**13**	—	**170**	**148**	—	**10**	**12**	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	3	—	—	—	3	—	12	9	—	—	3	—
28	3	—	—	—	3	—	64	60	—	—	4	—
27	3	3	—	—	—	—	28	27	—	—	1	—
26	10	4	—	6	—	—	21	15	—	6	—	—
25	15	15	—	—	—	—	5	1	—	—	4	—
24	13	13	—	—	—	—	—	—	—	—	—	—
23	19	19	—	—	—	—	—	—	—	—	—	—
22	9	9	—	—	—	—	2	2	—	—	—	—
21	48	48	—	—	—	—	23	23	—	—	—	—
20	4	4	—	—	—	—	1	1	—	—	—	—
19	12	12	—	—	—	—	5	5	—	—	—	—
18	28	18	—	5	5	—	2	2	—	—	—	—
17	2	—	—	—	2	—	6	2	—	4	—	—
										Total trips:		**350**

Trips and Drafts of Vessels, 2006
(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
STONEPORT, MI			Inbound						Outbound			
Grand Total	**436**	**262**	—	**75**	**99**	—	**415**	**246**	—	**76**	**93**	—
FOREIGN												
Total	**45**	**43**	—	**2**	—	—	**19**	**18**	—	**1**	—	—
26	—	—	—	—	—	—	1	1	—	—	—	—
24	1	1	—	—	—	—	5	5	—	—	—	—
23	8	8	—	—	—	—	—	—	—	—	—	—
22	2	2	—	—	—	—	—	—	—	—	—	—
21	12	11	—	1	—	—	5	5	—	—	—	—
20	14	13	—	1	—	—	7	7	—	—	—	—
19	—	—	—	—	—	—	1	—	—	1	—	—
18	6	6	—	—	—	—	—	—	—	—	—	—
17	1	1	—	—	—	—	—	—	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	**391**	**219**	—	**73**	**99**	—	**396**	**228**	—	**75**	**93**	—
28	—	—	—	—	—	—	1	1	—	—	—	—
26	48	1	—	46	1	—	61	13	—	46	2	—
25	49	19	—	—	30	—	129	78	—	—	51	—
24	20	13	—	—	7	—	62	46	—	—	16	—
23	20	5	—	—	15	—	38	30	—	—	8	—
22	33	25	—	—	8	—	31	30	—	—	1	—
21	2	2	—	—	—	—	17	16	—	—	1	—
20	33	33	—	—	—	—	11	11	—	—	—	—
19	30	30	—	—	—	—	—	—	—	—	—	—
18	81	48	—	12	21	—	21	2	—	5	14	—
17	58	33	—	8	17	—	15	—	—	15	—	—
16	4	4	—	—	—	—	1	1	—	—	—	—
15	9	2	—	7	—	—	9	—	—	9	—	—
12	4	4	—	—	—	—	—	—	—	—	—	—
										Total trips:		**851**

ALGOMA HARBOR, WI
No Vessel Trips Reported

ALGONAC, MI
No Vessel Trips Reported

ASHLAND HARBOR, WI
(12 feet and less)

			Inbound						Outbound			
Grand Total	**2**	**2**	—	—	—	—	**2**	**2**	—	—	—	—
										Total trips:		**4**

AU SABLE HARBOR AND RIVER (OSCODA), MI
No Vessel Trips Reported

BAYFIELD HARBOR, WI
(8 feet and less)

			Inbound						Outbound			
Grand Total	**6,185**	**6,185**	—	—	—	—	**6,185**	**6,185**	—	—	—	—
										Total trips:		**12,370**

BIG BAY HARBOR, MI
No Vessel Trips Reported

BLACK RIVER HARBOR, MI
No Vessel Trips Reported

CASEVILLE, MI
No Vessel Trips Reported

Trips and Drafts of Vessels, 2006
(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
CEDAR RIVER HARBOR, MI												
No Vessel Trips Reported												
CHEBOYGAN HARBOR, MI												
(21 feet and less)												
			Inbound						Outbound			
Grand Total	1,041	939	—	45	15	42	1,836	1,757	—	37	12	30
										Total trips:		2,877
CHIPPEWA HARBOR (ISLE ROYALE), MI												
No Vessel Trips Reported												
CORNUCOPIA HARBOR, WI												
No Vessel Trips Reported												
DETOUR, MI AND VICINITY												
(21 feet and less)												
			Inbound						Outbound			
Grand Total	16,683	16,683	—	—	—	—	19,871	19,871	—	—	—	—
										Total trips:		36,554
DETROIT HARBOR, WI												
(11 feet and less)												
			Inbound						Outbound			
Grand Total	3,700	3,700	—	—	—	—	3,700	3,700	—	—	—	—
										Total trips:		7,400
EAGLE HARBOR, MI												
No Vessel Trips Reported												
ECORSE, MI												
(23 feet and less)												
			Inbound						Outbound			
Grand Total	27	19	—	5	2	1	31	20	—	5	1	5
										Total trips:		58
FRANKFORT HARBOR, MI												
No Vessel Trips Reported												
GLADSTONE HARBOR, MI												
(23 feet and less)												
			Inbound						Outbound			
Grand Total	32	16	—	8	—	8	21	9	—	6	—	6
										Total trips:		53
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MI												
(4 feet and less)												
			Inbound						Outbound			
Grand Total	1	1	—	—	—	—	1	1	—	—	—	—
										Total trips:		2
GRAND MARAIS HARBOR, MN												
No Vessel Trips Reported												
GRAND TRAVERSE BAY HARBOR, MI												
No Vessel Trips Reported												

Trips and Drafts of Vessels, 2006
(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
HARBOR BEACH, MI (HARBOR OF REFUGE, LAKE HURON) (23 feet and less)			Inbound						Outbound			
Grand Total	10	10	—	—	—	—	11	11	—	—	—	—
										Total trips:		21
HARRISVILLE HARBOR, MI (HARBOR OF REFUGE, LAKE HURON) No Vessel Trips Reported												
KENOSHA HARBOR, WI No Vessel Trips Reported												
KEWAUNEE HARBOR, WI No Vessel Trips Reported												
KEWEENAW WATERWAY, MI (25 feet and less)			Upbound						Downbound			
Grand Total	55	46	—	5	3	1	61	50	—	6	4	1
										Total trips:		116
KNIFE RIVER HARBOR, MN No Vessel Trips Reported												
LA POINTE HARBOR, WI (8 feet and less)			Inbound						Outbound			
Grand Total	6,151	6,151	—	—	—	—	6,151	6,151	—	—	—	—
										Total trips:		12,302
LAC LA BELLE HARBOR, MI No Vessel Trips Reported												
LELAND HARBOR, MI No Vessel Trips Reported												
LIME ISLAND, MI No Vessel Trips Reported												
MACKINAC HARBOR, MI (19 feet and less)			Inbound						Outbound			
Grand Total	24,581	24,524	—	40	17	—	24,793	24,714	—	45	34	—
										Total trips:		49,374
MACKINAW CITY HARBOR, MI (9 feet and less)			Inbound						Outbound			
Grand Total	8,368	8,333	—	23	12	—	8,311	8,311	—	—	—	—
										Total trips:		16,679
MANISTIQUE HARBOR, MI (3 feet and less)			Inbound						Outbound			
Grand Total	17	—	—	—	—	17	18	—	—	—	—	18
										Total trips:		35
NEW BUFFALO HARBOR, MI No Vessel Trips Reported												

Trips and Drafts of Vessels, 2006
(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
OCONTO HARBOR, WI (6 feet and less)			Inbound						Outbound			
Grand Total	14	—	—	14	—	—	14	—	—	14	—	—
										Total trips:		28
ONTONAGON HARBOR, MI (20 feet and less)			Inbound						Outbound			
Grand Total	21	21	—	—	—	—	15	15	—	—	—	—
										Total trips:		36
PENSAUKEE HARBOR, WI No Vessel Trips Reported												
PENTWATER HARBOR, MI No Vessel Trips Reported												
PORT HURON, MI (19 feet and less)			Inbound						Outbound			
Grand Total	3	1	—	1	—	1	2	—	—	1	—	1
										Total trips:		5
PORT SANILAC HARBOR, MI No Vessel Trips Reported												
PORT WASHINGTON HARBOR, WI (23 feet and less)			Inbound						Outbound			
Grand Total	4	2	—	1	1	—	4	2	—	1	1	—
										Total trips:		8
PORT WING HARBOR, WI No Vessel Trips Reported												
PUT-IN-BAY HARBOR, OH (12 feet and less)			Inbound						Outbound			
Grand Total	9,854	9,657	98	49	50	—	9,618	9,455	76	43	44	—
										Total trips:		19,472
RACINE HARBOR, WI (9 feet and less)			Inbound						Outbound			
Grand Total	428	—	—	350	78	—	321	—	—	249	72	—
										Total trips:		749
ROGERS CITY, MI No Vessel Trips Reported												
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MI No Vessel Trips Reported												

Trips and Drafts of Vessels, 2006
(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
SAULT STE. MARIE, MI (25 feet and less)			Inbound						Outbound			
Grand Total	33,945	33,932	—	10	3	—	36,929	36,915	—	11	3	—
										Total trips:		70,874
SEBEWAING, MI No Vessel Trips Reported												
SHEBOYGAN HARBOR, WI No Vessel Trips Reported												
SOUTH HAVEN HARBOR, MI (11 feet and less)			Inbound						Outbound			
Grand Total	3	—	—	2	1	—	2	—	—	1	1	—
										Total trips:		5
ST. JAMES (BEAVER ISLAND), MI (8 feet and less)			Inbound						Outbound			
Grand Total	396	378	—	—	—	18	395	378	—	—	—	17
										Total trips:		791
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WI (23 feet and less)			Upbound						Downbound			
Grand Total	385	1	—	192	192	—	447	28	—	212	204	3
										Total trips:		832
TRAVERSE CITY HARBOR, MI (20 feet and less)			Inbound						Outbound			
Grand Total	72	1	—	29	—	42	71	—	—	29	—	42
										Total trips:		143
TRENTON, MI (23 feet and less)			Inbound						Outbound			
Grand Total	5	5	—	—	—	—	7	7	—	—	—	—
										Total trips:		12
TWO RIVERS HARBOR, WI No Vessel Trips Reported												
WARROAD HARBOR, MN No Vessel Trips Reported												
WHITE LAKE HARBOR, MI No Vessel Trips Reported												
WHITEFISH POINT HARBOR, MI No Vessel Trips Reported												

Trips and Drafts of Vessels, 2006
(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	
WYANDOTTE, MI (22 feet and less)			Inbound						Outbound				
Grand Total	8	8	—	—	—	—	12	12	—	—	—	—	
										Total trips:			**20**
MARBLEHEAD, OH (26 feet and less)			Inbound						Outbound				
Grand Total	7,071	6,811	—	112	148	—	7,106	6,821	—	123	162	—	
										Total trips:			**14,177**
PORT DOLOMITE, MI (28 feet and less)			Inbound						Outbound				
Grand Total	142	114	—	15	13	—	148	122	—	13	13	—	
										Total trips:			**290**
PORT GYPSUM, MI (21 feet and less)			Inbound						Outbound				
Grand Total	55	55	—	—	—	—	39	39	—	—	—	—	
										Total trips:			**94**
PORT INLAND, MI (28 feet and less)			Inbound						Outbound				
Grand Total	290	235	—	27	28	—	318	258	—	31	29	—	
										Total trips:			**608**
SILVER BAY, MN (28 feet and less)			Inbound						Outbound				
Grand Total	198	195	—	1	2	—	164	161	—	1	2	—	
										Total trips:			**362**

CLINTON RIVER, MICHIGAN
No Vessel Trips Reported

Trips and Drafts of Vessels, 2006
(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	**768**	**507**	**9**	**124**	**37**	**91**	**842**	**559**	**9**	**136**	**36**	**102**
FOREIGN												
Total	**514**	**372**	**9**	**71**	**14**	**48**	**614**	**452**	**9**	**83**	**16**	**54**
29	—	—	—	—	—	—	2	2	—	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
27	117	116	—	—	1	—	87	86	—	—	1	—
26	63	62	—	—	—	1	31	29	—	—	—	2
25	42	41	—	—	—	1	24	22	—	—	—	2
24	28	26	—	1	—	1	50	49	—	1	—	—
23	49	47	—	—	—	2	108	104	—	—	—	4
22	21	16	—	—	—	5	68	62	—	—	1	5
21	26	14	1	1	—	10	31	23	—	—	—	8
20	13	10	—	—	—	3	39	26	2	4	—	7
19	20	11	—	8	—	1	32	17	3	9	—	3
18	20	11	2	5	1	1	12	5	1	4	—	2
17	8	3	—	4	—	1	12	5	—	5	—	2
16	34	6	—	17	1	10	39	1	—	25	1	12
15	21	5	4	11	—	1	31	14	3	11	1	2
14	5	3	1	—	—	1	10	3	—	2	1	4
13	13	1	—	11	—	1	14	1	—	13	—	—
≤ 12	34	—	1	13	11	9	23	2	—	9	11	1
DOMESTIC												
Total	**254**	**135**	—	**53**	**23**	**43**	**228**	**107**	—	**53**	**20**	**48**
28	1	1	—	—	—	—	1	1	—	—	—	—
27	11	11	—	—	—	—	—	—	—	—	—	—
26	5	4	—	—	1	—	—	—	—	—	—	—
25	3	2	—	—	1	—	1	—	—	—	1	—
24	3	3	—	—	—	—	5	5	—	—	—	—
23	11	11	—	—	—	—	10	10	—	—	—	—
22	10	10	—	—	—	—	15	15	—	—	—	—
21	8	8	—	—	—	—	8	7	—	—	1	—
20	8	8	—	—	—	—	12	10	—	—	—	2
19	26	23	—	—	—	3	31	27	—	—	—	4
18	43	40	—	2	—	1	31	20	—	1	1	9
17	17	6	—	6	4	1	26	6	—	7	2	11
16	58	4	—	29	15	10	48	4	—	28	13	3
15	6	—	—	6	—	—	6	—	—	5	—	1
≤ 12	44	4	—	10	2	28	34	2	—	12	2	18
										Total trips:		**1,610**

KELLEYS ISLAND, OH				Inbound						Outbound		
Grand Total	**8,370**	**8,143**	—	**108**	**119**	—	**8,340**	**8,106**	—	**111**	**123**	—
DOMESTIC												
Total	**8,370**	**8,143**	—	**108**	**119**	—	**8,340**	**8,106**	—	**111**	**123**	—
19	6	—	—	—	6	—	8	—	—	—	8	—
18	97	—	—	—	97	—	100	—	—	—	100	—
15	95	—	—	95	—	—	98	—	—	98	—	—
12	—	—	—	—	—	—	10	—	—	—	10	—
10	—	—	—	—	—	—	3	—	—	—	3	—
9	13	—	—	13	—	—	13	—	—	13	—	—
8	94	91	—	—	3	—	93	91	—	—	2	—
7	6,612	6,612	—	—	—	—	6,612	6,612	—	—	—	—
4	1,440	1,440	—	—	—	—	1,403	1,403	—	—	—	—
3	13	—	—	—	13	—	—	—	—	—	—	—
										Total trips:		**16,710**

Trips and Drafts of Vessels, 2006
(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			Inbound						Outbound			
Grand Total	**1,636**	**1,604**	—	**13**	**19**	—	**1,956**	**1,923**	—	**12**	**21**	—
FOREIGN												
Total	**94**	**94**	—	—	—	—	**160**	**157**	—	**3**	—	—
27	—	—	—	—	—	—	45	45	—	—	—	—
26	1	1	—	—	—	—	19	19	—	—	—	—
25	11	11	—	—	—	—	2	2	—	—	—	—
24	24	24	—	—	—	—	2	2	—	—	—	—
23	24	24	—	—	—	—	11	11	—	—	—	—
22	2	2	—	—	—	—	21	21	—	—	—	—
21	2	2	—	—	—	—	19	19	—	—	—	—
20	3	3	—	—	—	—	8	7	—	1	—	—
19	2	2	—	—	—	—	6	4	—	2	—	—
18	1	1	—	—	—	—	3	3	—	—	—	—
≤ 12	24	24	—	—	—	—	24	24	—	—	—	—
DOMESTIC												
Total	**1,542**	**1,510**	—	**13**	**19**	—	**1,796**	**1,766**	—	**9**	**21**	—
23	—	—	—	—	—	—	19	19	—	—	—	—
22	5	5	—	—	—	—	20	18	—	—	2	—
21	—	—	—	—	—	—	12	11	—	—	1	—
20	15	15	—	—	—	—	12	10	—	—	2	—
19	45	45	—	—	—	—	10	10	—	—	—	—
18	30	30	—	—	—	—	22	22	—	—	—	—
17	11	6	—	—	5	—	1	1	—	—	—	—
16	4	4	—	—	—	—	—	—	—	—	—	—
15	2	2	—	—	—	—	—	—	—	—	—	—
≤ 12	1,430	1,403	—	13	14	—	1,700	1,675	—	9	16	—
										Total trips:		**3,592**

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
HURON HARBOR, OH			Inbound						Outbound			
Grand Total	**46**	**12**	—	**16**	**18**	—	**47**	**13**	—	**16**	**18**	—
FOREIGN												
Total	**2**	**2**	—	—	—	—	**4**	**3**	—	**1**	—	—
21	—	—	—	—	—	—	2	2	—	—	—	—
20	—	—	—	—	—	—	2	1	—	1	—	—
18	2	2	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	**44**	**10**	—	**16**	**18**	—	**43**	**10**	—	**15**	**18**	—
27	4	—	—	—	4	—	2	—	—	—	2	—
26	19	—	—	16	3	—	19	—	—	15	4	—
25	13	4	—	—	9	—	7	—	—	—	7	—
24	8	6	—	—	2	—	3	1	—	—	2	—
22	—	—	—	—	—	—	3	—	—	—	3	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	—	—	—	—	—	—	4	4	—	—	—	—
18	—	—	—	—	—	—	1	1	—	—	—	—
17	—	—	—	—	—	—	1	1	—	—	—	—
16	—	—	—	—	—	—	1	1	—	—	—	—
										Total trips:		**93**

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
LORAIN HARBOR, OH			Inbound						Outbound			
Grand Total	**213**	**135**	—	**34**	**43**	**1**	**231**	**156**	—	**33**	**41**	**1**
FOREIGN												
Total	**45**	**38**	—	**4**	**2**	**1**	**70**	**64**	—	**4**	**1**	**1**
27	3	3	—	—	—	—	4	4	—	—	—	—
26	14	13	—	—	1	—	2	1	—	—	1	—
25	6	6	—	—	—	—	1	1	—	—	—	—
24	6	6	—	—	—	—	4	4	—	—	—	—
23	6	6	—	—	—	—	10	10	—	—	—	—
22	1	1	—	—	—	—	19	19	—	—	—	—
21	1	—	—	1	—	—	10	9	—	1	—	—
20	1	1	—	—	—	—	7	7	—	—	—	—

Trips and Drafts of Vessels, 2006
(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
LORAIN HARBOR, OH - continued				Inbound						Outbound		
FOREIGN												
19	2	1	—	—	—	1	10	9	—	1	—	—
18	2	1	—	1	—	—	1	—	—	1	—	—
17	—	—	—	—	—	—	1	—	—	—	—	1
16	1	—	—	1	—	—	1	—	—	1	—	—
≤ 12	2	—	—	1	1	—	—	—	—	—	—	—
DOMESTIC												
Total	**168**	**97**	—	**30**	**41**	—	**161**	**92**	—	**29**	**40**	—
26	65	57	—	1	7	—	8	4	—	1	3	—
25	12	7	—	—	5	—	1	—	—	—	1	—
24	17	10	—	—	7	—	1	—	—	—	1	—
23	4	3	—	—	1	—	—	—	—	—	—	—
22	2	2	—	—	—	—	—	—	—	—	—	—
20	11	9	—	—	2	—	7	7	—	—	—	—
19	10	8	—	—	2	—	45	45	—	—	—	—
18	14	—	—	—	14	—	37	8	—	8	21	—
17	13	1	—	10	2	—	28	19	—	1	8	—
16	—	—	—	—	—	—	8	8	—	—	—	—
15	14	—	—	14	—	—	15	1	—	14	—	—
13	5	—	—	5	—	—	5	—	—	5	—	—
≤ 12	1	—	—	—	1	—	6	—	—	—	6	—
										Total trips:		**444**
CLEVELAND HARBOR, OH				Inbound						Outbound		
Grand Total	**1,283**	**784**	**6**	**235**	**205**	**53**	**1,345**	**854**	**6**	**231**	**202**	**52**
FOREIGN												
Total	**390**	**294**	**6**	**64**	**13**	**13**	**485**	**385**	**6**	**67**	**13**	**14**
29	1	1	—	—	—	—	1	1	—	—	—	—
27	57	52	—	—	5	—	3	2	—	—	1	—
26	29	29	—	—	—	—	1	1	—	—	—	—
25	42	41	—	—	1	—	2	2	—	—	—	—
24	30	29	—	—	1	—	47	47	—	—	—	—
23	42	39	—	—	3	—	56	56	—	—	—	—
22	40	38	—	1	1	—	24	24	—	—	—	—
21	23	18	4	1	—	—	60	59	—	—	1	—
20	22	19	1	1	—	1	60	50	—	10	—	—
19	29	15	—	9	1	4	39	39	—	—	—	—
18	15	10	—	3	—	2	69	66	—	3	—	—
17	4	3	—	—	—	1	14	13	—	—	1	—
16	46	—	—	44	—	2	44	—	—	42	—	2
15	5	—	1	3	—	1	45	24	6	6	9	—
≤ 12	5	—	—	2	1	2	20	1	—	6	1	12
DOMESTIC												
Total	**893**	**490**	—	**171**	**192**	**40**	**860**	**469**	—	**164**	**189**	**38**
28	1	—	—	—	1	—	1	—	—	—	1	—
27	66	64	—	—	2	—	2	—	—	—	2	—
26	57	52	—	3	2	—	4	1	—	3	—	—
25	26	19	—	—	7	—	4	4	—	—	—	—
24	26	17	—	—	9	—	18	17	—	—	1	—
23	59	48	—	—	11	—	51	47	—	—	4	—
22	44	33	—	—	11	—	31	28	—	—	3	—
21	37	32	—	—	5	—	35	29	—	—	6	—
20	19	16	—	—	3	—	23	22	—	—	1	—
19	86	72	—	—	2	12	160	158	—	—	—	2
18	99	38	—	8	48	5	117	31	—	22	62	2
17	95	62	—	23	8	2	113	79	—	9	25	—
16	35	6	—	17	9	3	41	14	—	17	10	—
15	123	10	—	112	—	1	123	17	—	106	—	—
13	3	—	—	2	—	1	3	—	—	2	1	—
≤ 12	117	21	—	6	74	16	134	22	—	5	73	34
										Total trips:		**2,628**

Trips and Drafts of Vessels, 2006
(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												
	Inbound						Outbound					
Grand Total	**407**	**287**	—	**49**	**71**	—	**395**	**290**	—	**38**	**67**	—
FOREIGN												
Total	**52**	**42**	—	**6**	**4**	—	**49**	**39**	—	**5**	**5**	—
26	—	—	—	—	—	—	2	2	—	—	—	—
25	1	1	—	—	—	—	2	2	—	—	—	—
24	3	3	—	—	—	—	3	3	—	—	—	—
23	19	19	—	—	—	—	9	8	—	—	1	—
22	16	12	—	1	3	—	6	4	—	—	2	—
21	3	1	—	1	1	—	3	3	—	—	—	—
20	4	4	—	—	—	—	10	9	—	1	—	—
19	1	—	—	1	—	—	3	3	—	—	—	—
18	5	2	—	3	—	—	9	5	—	4	—	—
15	—	—	—	—	—	—	2	—	—	—	2	—
DOMESTIC												
Total	**355**	**245**	—	**43**	**67**	—	**346**	**251**	—	**33**	**62**	—
26	4	—	—	4	—	—	3	—	—	3	—	—
25	9	4	—	—	5	—	—	—	—	—	—	—
24	16	1	—	—	15	—	4	2	—	—	2	—
23	27	17	—	—	10	—	11	8	—	—	3	—
22	8	6	—	—	2	—	3	2	—	—	1	—
21	6	6	—	—	—	—	1	1	—	—	—	—
20	3	3	—	—	—	—	1	—	—	—	1	—
19	2	1	—	—	1	—	2	2	—	—	—	—
18	11	7	—	—	4	—	48	25	—	9	14	—
17	15	2	—	11	2	—	25	8	—	1	16	—
16	1	1	—	—	—	—	2	2	—	—	—	—
15	9	—	—	9	—	—	9	—	—	9	—	—
13	1	—	—	1	—	—	1	—	—	1	—	—
≤ 12	243	197	—	18	28	—	236	201	—	10	25	—
										Total trips:		**802**

ASHTABULA HARBOR, OH												
	Inbound						Outbound					
Grand Total	**247**	**245**	—	—	**2**	—	**291**	**287**	—	**1**	**3**	—
FOREIGN												
Total	**157**	**157**	—	—	—	—	**202**	**200**	—	**1**	**1**	—
29	—	—	—	—	—	—	4	4	—	—	—	—
28	—	—	—	—	—	—	19	19	—	—	—	—
27	6	6	—	—	—	—	109	109	—	—	—	—
26	10	10	—	—	—	—	1	1	—	—	—	—
25	28	28	—	—	—	—	4	4	—	—	—	—
24	58	58	—	—	—	—	7	7	—	—	—	—
23	49	49	—	—	—	—	8	8	—	—	—	—
22	4	4	—	—	—	—	11	11	—	—	—	—
21	1	1	—	—	—	—	17	17	—	—	—	—
20	1	1	—	—	—	—	11	10	—	1	—	—
19	—	—	—	—	—	—	8	8	—	—	—	—
18	—	—	—	—	—	—	2	2	—	—	—	—
≤ 12	—	—	—	—	—	—	1	—	—	—	1	—
DOMESTIC												
Total	**90**	**88**	—	—	**2**	—	**89**	**87**	—	—	**2**	—
27	16	16	—	—	—	—	—	—	—	—	—	—
26	15	15	—	—	—	—	—	—	—	—	—	—
25	15	15	—	—	—	—	—	—	—	—	—	—
24	18	18	—	—	—	—	3	3	—	—	—	—
23	1	1	—	—	—	—	8	8	—	—	—	—
22	1	1	—	—	—	—	4	4	—	—	—	—
21	1	1	—	—	—	—	8	7	—	—	1	—
20	2	2	—	—	—	—	20	19	—	—	1	—
19	11	11	—	—	—	—	27	27	—	—	—	—
18	1	1	—	—	—	—	9	9	—	—	—	—
17	5	3	—	—	2	—	4	4	—	—	—	—
16	1	1	—	—	—	—	5	5	—	—	—	—
15	3	3	—	—	—	—	—	—	—	—	—	—
≤ 12	—	—	—	—	—	—	1	1	—	—	—	—
										Total trips:		**538**

Trips and Drafts of Vessels, 2006
(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		Inbound						Outbound				
Grand Total	**301**	**210**	—	**45**	**41**	**5**	**333**	**238**	—	**50**	**40**	**5**
FOREIGN												
Total	**159**	**101**	—	**30**	**23**	**5**	**195**	**123**	—	**40**	**27**	**5**
29	—	—	—	—	—	—	1	1	—	—	—	—
28	1	1	—	—	—	—	4	4	—	—	—	—
27	2	2	—	—	—	—	68	68	—	—	—	—
26	2	2	—	—	—	—	8	8	—	—	—	—
25	22	22	—	—	—	—	2	2	—	—	—	—
24	29	29	—	—	—	—	9	8	—	—	1	—
23	33	33	—	—	—	—	15	11	—	4	—	—
22	2	2	—	—	—	—	9	8	—	—	1	—
21	7	6	—	1	—	—	6	5	—	1	—	—
20	3	1	—	—	2	—	32	4	—	3	25	—
19	5	1	—	1	—	3	5	2	—	3	—	—
18	2	1	—	—	—	1	3	2	—	—	—	1
17	2	1	—	1	—	—	1	—	—	1	—	—
16	1	—	—	1	—	—	4	—	—	1	—	3
15	4	—	—	3	—	1	3	—	—	3	—	—
14	—	—	—	—	—	—	1	—	—	—	—	1
≤ 12	44	—	—	23	21	—	24	—	—	24	—	—
DOMESTIC												
Total	**142**	**109**	—	**15**	**18**	—	**138**	**115**	—	**10**	**13**	—
28	2	—	—	—	2	—	—	—	—	—	—	—
27	11	10	—	—	1	—	3	3	—	—	—	—
26	66	59	—	—	7	—	6	6	—	—	—	—
25	8	8	—	—	—	—	2	—	—	—	2	—
24	7	7	—	—	—	—	12	12	—	—	—	—
23	—	—	—	—	—	—	42	41	—	—	1	—
22	—	—	—	—	—	—	17	11	—	—	6	—
21	1	1	—	—	—	—	7	6	—	—	1	—
20	—	—	—	—	—	—	12	12	—	—	—	—
19	20	8	—	10	2	—	23	14	—	7	2	—
18	11	10	—	—	1	—	2	2	—	—	—	—
17	6	4	—	—	2	—	7	7	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	1	1	—	—	—	—
13	5	—	—	5	—	—	3	—	—	3	—	—
≤ 12	3	—	—	—	3	—	1	—	—	—	1	—
										Total trips:		**634**

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
ERIE HARBOR, PA		Inbound						Outbound				
Grand Total	**294**	**291**	—	**1**	**2**	—	**329**	**326**	—	**1**	**2**	—
FOREIGN												
Total	**11**	**11**	—	—	—	—	**18**	**18**	—	—	—	—
27	3	3	—	—	—	—	—	—	—	—	—	—
26	4	4	—	—	—	—	1	1	—	—	—	—
25	2	2	—	—	—	—	1	1	—	—	—	—
24	1	1	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	2	2	—	—	—	—
22	1	1	—	—	—	—	1	1	—	—	—	—
21	—	—	—	—	—	—	2	2	—	—	—	—
20	—	—	—	—	—	—	5	5	—	—	—	—
19	—	—	—	—	—	—	2	2	—	—	—	—
18	—	—	—	—	—	—	2	2	—	—	—	—
17	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	—	—	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	**283**	**280**	—	**1**	**2**	—	**311**	**308**	—	**1**	**2**	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	6	6	—	—	—	—	—	—	—	—	—	—
25	15	13	—	—	2	—	2	—	—	—	2	—
24	9	9	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	1	1	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2006
(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
ERIE HARBOR, PA - continued												
	Inbound						Outbound					
DOMESTIC												
21	—	—	—	—	—	—	2	2	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	3	2	—	1	—	—	12	11	—	1	—	—
18	—	—	—	—	—	—	5	5	—	—	—	—
17	—	—	—	—	—	—	10	10	—	—	—	—
16	—	—	—	—	—	—	4	4	—	—	—	—
15	3	3	—	—	—	—	3	3	—	—	—	—
14	240	240	—	—	—	—	30	30	—	—	—	—
13	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	2	2	—	—	—	—	243	243	—	—	—	—
										Total trips:		623
BUFFALO HARBOR, NY												
	Upbound						Downbound					
Grand Total	**96**	**94**	—	**1**	**1**	—	**91**	**89**	—	**1**	**1**	—
FOREIGN												
Total	**56**	**56**	—	—	—	—	**44**	**44**	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	2	2	—	—	—	—	—	—	—	—	—	—
27	15	15	—	—	—	—	8	8	—	—	—	—
26	1	1	—	—	—	—	1	1	—	—	—	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	1	1	—	—	—	—	3	3	—	—	—	—
23	2	2	—	—	—	—	13	13	—	—	—	—
22	5	5	—	—	—	—	12	12	—	—	—	—
21	5	5	—	—	—	—	1	1	—	—	—	—
20	6	6	—	—	—	—	1	1	—	—	—	—
19	1	1	—	—	—	—	1	1	—	—	—	—
18	15	15	—	—	—	—	1	1	—	—	—	—
≤ 12	2	2	—	—	—	—	2	2	—	—	—	—
DOMESTIC												
Total	**40**	**38**	—	**1**	**1**	—	**47**	**45**	—	**1**	**1**	—
26	—	—	—	—	—	—	2	2	—	—	—	—
25	—	—	—	—	—	—	5	5	—	—	—	—
24	—	—	—	—	—	—	3	3	—	—	—	—
23	—	—	—	—	—	—	16	16	—	—	—	—
22	—	—	—	—	—	—	6	6	—	—	—	—
21	—	—	—	—	—	—	5	5	—	—	—	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	19	19	—	—	—	—	—	—	—	—	—	—
18	15	15	—	—	—	—	—	—	—	—	—	—
17	3	3	—	—	—	—	—	—	—	—	—	—
16	3	1	—	1	1	—	2	—	—	1	1	—
≤ 12	—	—	—	—	—	—	6	6	—	—	—	—
										Total trips:		187
PORT OF BUFFALO, NY												
	Inbound						Outbound					
Grand Total	**153**	**96**	—	**29**	**1**	**27**	**160**	**100**	—	**31**	**1**	**28**
FOREIGN												
Total	**47**	**45**	—	**1**	—	**1**	**66**	**56**	—	**5**	—	**5**
29	—	—	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	2	2	—	—	—	—
27	8	8	—	—	—	—	15	15	—	—	—	—
26	1	1	—	—	—	—	1	1	—	—	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
24	3	3	—	—	—	—	1	1	—	—	—	—
23	13	13	—	—	—	—	2	2	—	—	—	—
22	12	12	—	—	—	—	5	5	—	—	—	—
21	1	1	—	—	—	—	5	5	—	—	—	—
20	1	1	—	—	—	—	6	6	—	—	—	—
19	1	1	—	—	—	—	1	1	—	—	—	—

Trips and Drafts of Vessels, 2006
(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 BUFFALO, NY - continued				Inbound						Outbound		
FOREIGN												
18	2	1	—	—	—	1	15	15	—	—	—	—
16	1	—	—	1	—	—	5	—	—	5	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	2	2	—	—	—	—	7	2	—	—	—	5
DOMESTIC												
Total	**106**	**51**	—	**28**	**1**	**26**	**94**	**44**	—	**26**	**1**	**23**
26	2	2	—	—	—	—	—	—	—	—	—	—
25	5	5	—	—	—	—	—	—	—	—	—	—
24	3	3	—	—	—	—	—	—	—	—	—	—
23	17	17	—	—	—	—	—	—	—	—	—	—
22	6	6	—	—	—	—	—	—	—	—	—	—
21	6	6	—	—	—	—	—	—	—	—	—	—
20	5	5	—	—	—	—	—	—	—	—	—	—
19	19	—	—	—	—	19	19	19	—	—	—	—
18	5	—	—	—	—	5	20	20	—	—	—	—
17	5	1	—	4	—	—	9	4	—	5	—	—
16	2	—	—	1	1	—	4	1	—	2	1	—
15	23	—	—	23	—	—	18	—	—	18	—	—
13	1	—	—	—	—	1	—	—	—	—	—	—
≤ 12	7	6	—	—	—	1	24	—	—	1	—	23
										Total trips:		**313**
OSWEGO HARBOR, NY				Upbound						Downbound		
Grand Total	**179**	**80**	**21**	**38**	**21**	**19**	**179**	**79**	**21**	**38**	**19**	**22**
FOREIGN												
Total	**168**	**80**	**21**	**32**	**21**	**14**	**173**	**79**	**21**	**35**	**19**	**19**
26	1	1	—	—	—	—	1	1	—	—	—	—
25	—	—	—	—	—	—	4	4	—	—	—	—
23	2	2	—	—	—	—	13	13	—	—	—	—
22	2	2	—	—	—	—	66	51	15	—	—	—
21	2	2	—	—	—	—	9	5	4	—	—	—
20	3	3	—	—	—	—	11	3	1	—	—	7
19	6	2	4	—	—	—	8	1	1	—	—	6
18	79	68	6	4	—	1	6	1	—	5	—	—
17	18	—	5	11	—	2	13	—	—	11	—	2
16	20	—	6	14	—	—	16	—	—	16	—	—
≤ 12	35	—	—	3	21	11	26	—	—	3	19	4
DOMESTIC												
Total	**11**	—	—	**6**	—	**5**	**6**	—	—	**3**	—	**3**
19	—	—	—	—	—	—	2	—	—	—	—	2
18	—	—	—	—	—	—	1	—	—	—	—	1
17	3	—	—	3	—	—	3	—	—	3	—	—
16	3	—	—	3	—	—	—	—	—	—	—	—
≤ 12	5	—	—	—	—	5	—	—	—	—	—	—
										Total trips:		**358**

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

Trips and Drafts of Vessels, 2006
(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
IRONDEQUOIT BAY HARBOR, NEW YORK												
No Vessel Trips Reported												
NIAGARA FALLS, NY												
No Vessel Trips Reported												
NIAGARA RIVER, NY												
(23 feet and less)			Upbound						Downbound			
Grand Total	65	6	—	30	—	29	61	7	—	28	—	26
										Total trips:		126
OGDENSBURG HARBOR, NY												
(27 feet and less)			Inbound						Outbound			
Grand Total	8	8	—	—	—	—	9	9	—	—	—	—
										Total trips:		17
PORT CLINTON HARBOR, OH												
(7 feet and less)			Inbound						Outbound			
Grand Total	2,428	2,395	—	12	21	—	2,439	2,395	—	20	24	—
										Total trips:		4,867
ROCHESTER (CHARLOTTE) HARBOR, NY												
(22 feet and less)			Inbound						Outbound			
Grand Total	43	43	—	—	—	—	42	42	—	—	—	—
										Total trips:		85
SACKETS HARBOR, NY												
(3 feet and less)			Inbound						Outbound			
Grand Total	16	16	—	—	—	—	15	15	—	—	—	—
										Total trips:		31
TONAWANDA 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, 2006
(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	**22,882**	—	—	**3,807**	**16,001**	**3,074**	**21,900**	—	—	**3,782**	**15,037**	**3,081**
DOMESTIC												
Total	**22,882**	—	—	**3,807**	**16,001**	**3,074**	**21,900**	—	—	**3,782**	**15,037**	**3,081**
12	465	—	—	3	449	13	38	—	—	3	32	3
11	418	—	—	5	323	90	254	—	—	4	138	112
10	373	—	—	43	148	182	342	—	—	46	170	126
9	4,760	—	—	723	3,330	707	4,255	—	—	668	3,252	335
8	7,113	—	—	1,335	5,224	554	6,821	—	—	1,340	5,144	337
7	1,317	—	—	590	521	206	930	—	—	560	300	70
6	894	—	—	698	165	31	891	—	—	715	120	56
5	457	—	—	367	68	22	406	—	—	396	5	5
4	77	—	—	6	67	4	84	—	—	18	2	64
3	150	—	—	—	149	1	133	—	—	—	14	119
2	6,835	—	—	37	5,536	1,262	7,718	—	—	31	5,845	1,842
1	23	—	—	—	21	2	28	—	—	1	15	12
										Total trips:		**44,782**

CALUMET-SAG CHANNEL, IL			Upbound						Downbound			
Grand Total	**4,428**	—	—	**450**	**3,562**	**416**	**4,364**	**1**	—	**416**	**3,563**	**384**
DOMESTIC												
Total	**4,428**	—	—	**450**	**3,562**	**416**	**4,364**	**1**	—	**416**	**3,563**	**384**
12	10	—	—	6	4	—	11	1	—	2	—	8
11	17	—	—	—	13	4	4	—	—	—	3	1
10	73	—	—	22	31	20	35	—	—	19	8	8
9	1,442	—	—	63	1,295	84	377	—	—	63	277	37
8	1,746	—	—	143	1,490	113	792	—	—	123	639	30
7	441	—	—	145	276	20	401	—	—	137	261	3
6	139	—	—	45	90	4	82	—	—	43	39	—
5	50	—	—	14	31	5	14	—	—	11	3	—
4	40	—	—	2	30	8	12	—	—	9	3	—
3	57	—	—	—	44	13	10	—	—	—	8	2
2	409	—	—	10	254	145	2,625	—	—	9	2,321	295
1	4	—	—	—	4	—	1	—	—	—	1	—
										Total trips:		**8,792**

CHICAGO SANITARY AND SHIP CANAL, IL			Upbound						Downbound			
Grand Total	**13,065**	**1**	—	**2,594**	**8,790**	**1,680**	**13,821**	—	—	**2,384**	**9,799**	**1,638**
DOMESTIC												
Total	**13,065**	**1**	—	**2,594**	**8,790**	**1,680**	**13,821**	—	—	**2,384**	**9,799**	**1,638**
≤ 12	13,065	1	—	2,594	8,790	1,680	13,821	—	—	2,384	9,799	1,638
										Total trips:		**26,886**

ILLINOIS WATERWAY, IL			Upbound						Downbound			
Grand Total	**27,632**	**1**	—	**4,941**	**19,345**	**3,345**	**25,794**	—	—	**4,939**	**17,511**	**3,344**
DOMESTIC												
Total	**27,632**	**1**	—	**4,941**	**19,345**	**3,345**	**25,794**	—	—	**4,939**	**17,511**	**3,344**
≤ 12	27,632	1	—	4,941	19,345	3,345	25,794	—	—	4,939	17,511	3,344
										Total trips:		**53,426**

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(11/30/2005)

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1	Portland, ME, and Portsmouth, NH; and Ports on the Kennebec and Penobscot River, ME	2001	$ 18.
3	Boston, MA	1994	20.
4	Ports of Southern New England (Bridgeport, CT; New Haven, CT; Connecticut River, CT; New London, CT; Providence, RI; Fall River, MA; New Bedford, MA; Fairhaven, MA)	1994	24.
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24	Houston, TX	1999	36.
25	Corpus Christi, TX	2003	26.
26	Freeport, Point Comfort/Port Lavaca, Brownsville, and Ports along Gulf Intracoastal Waterway, TX	2003	36.
27	San Diego, CA	1998	29.
28	The Ports of Long Beach, Los Angeles and Port Hueneme, CA	1996	28.
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33	Ports on the Oregon Coast	2001	13.
34	Port of Portland, OR and Ports on the Columbia-Snake River System (Astoria, The Dalles, Boardman, and Umatilla, OR; Longview, Kalama, Vancouver, Pasco/ Kennewick, Wilma, and Clarkston, WA; and Lewiston, ID)	1996	44.
35	Tacoma, Olympia and Grays Harbor, WA	2003	21.
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37	Port Angeles, Port Townsend, Everett, Anacortes, and Bellingham, WA.	1998	12.
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39	Ports of Southwest and Western Alaska	2005	41.
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44	Toledo, OH	2000	11.
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46	Chicago, IL	1995	28.
48	Milwaukee, WI and Ports on Lake Michigan	1995	32.
49	Duluth, MN; Superior, WI; Taconite Harbor, Silver Bay, and Two Harbors, MN; and Ashland, WI	2000	14.
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61	Huntington, WV, Ports on Ohio River (Miles 40-317), and Kanawha River, WV	1992	17.
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64	Ports on Tennessee River, Tennessee-Tombigbee and Black Warrior-Tombigbee Waterways, and Alabama River	1998	46.
65	Ports on Illinois Waterway (Miles 0-291), Grafton to Lockport, IL	2005	28.
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69	Minneapolis-St. Paul, MN, and Ports on Upper Mississippi River (Miles 300-860 AOR)	2004	40.
70	St. Louis, MO, and Ports on Upper Mississippi River (Miles 0-300 AOR)	1992	13.
71	Memphis, TN; Helena, AR; and Ports on Lower Mississippi River (Miles 620-954 AHP)	1993	14.
72	Natchez, Vicksburg, and Greenville, MS, and Ports on Lower Mississippi River (Miles 255-620 AHP)	1991	11.

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14. ABSTRACT

Waterborne Commerce of the United States (WCUS), Part 3, Calendar Year 2006, is one of a series of five (5) publications containing statistics on the commercial movement of foreign and domestic cargo. WCUS, Part 3, presents detailed data by commodity and traffic for the waterways and harbors of the Great Lakes. The statistics include commodities given in short tons (2000 lbs) and vessel trips for the harbors and waterways.

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Waterborne Commerce Statistics, Domestic Commerce, Water Transportation, Freight Traffic, Commodity Flows

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
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Unclas	Unclas	Unclas	Unl	127	19b. TELEPHONE NUMBER *(Include area code)* (504) 862-1400

Attachment 8

THE DISTRICT'S EFFORTS TO PROTECT AND IMPROVE THE WATER QUALITY OF THE CAWS SINCE ITS CREATION

1889	Illinois General Assembly adopted the Sanitary District of Chicago Enabling Act. This resulted in the creation of the Sanitary District of Greater Chicago, now known as the Metropolitan Water Reclamation District of Greater Chicago.
1900	The Chicago Sanitary and Ship Canal (CSSC) connecting the North Branch of the Chicago River with the Des Plaines River was completed.
1910	The North Shore Channel (NSC) from Wilmette to the North Branch of the Chicago River was completed.
1922	The Calumet-Sag Channel (CSC) connecting the Little Calumet River with the CSSC was completed.
1920s	Calumet Imhoff treatment plant (1922).
	North Side secondary treatment plant (1928).
1930s	West Side Imhoff treatment plant placed in operation (1930).
	Calumet activated sludge treatment plant (1935).
	Southwest activated sludge treatment plant (1939).
1940s	West Side Imhoff tank effluent to Southwest plant (1948).
	Expanded the West-Southwest secondary treatment plant with addition of Battery C (1949).
1950s	Added primary tanks at the Calumet treatment plant (1952).
	Rehabilitation of Battery A at North Side treatment plant (1959).
	Intercepting sewer system expanded.
1960s	Rehabilitation of aeration tanks at Calumet and North Side plants (1960).
	Lemont treatment plant placed in service (1961).
	North Side treatment plant expanded with addition of Battery D (1962).

Industrial Waste Ordinance adopted to regulate industrial wastes discharged to District's sewerage system (1962).

Expanded secondary treatment capacity at the Calumet treatment plant with addition of Battery C (1966).

Chlorination of effluent at the North Side (1967) and Calumet (1968) plants.

New ordinance for the Control of Sewage and Industrial Waste adopted (1969).

1970s Chlorination of effluent at the West-Southwest plant (1970).

District developed local discharge limits (1971).

District Board adopted long-range Tunnel and Reservoir Plan (TARP) for control of combined sewer overflows (1972).

Monitoring of Illinois Waterway from Lockport to Peoria initiated (1972).

Conducted preliminary nitrification studies at Calumet and North Side plants (1975).

Expanded secondary treatment plant capacity at West-Southwest (Stickney) with addition of Battery D (1975).

Nitrification at West-Southwest plant (1976).

In-stream aeration station constructed on North Shore Channel (1979).

Partial nitrification at North Side plant (1970s).

1980s In-stream aeration station constructed on the North Branch of the Chicago River (1980).

Illinois Pollution Control Board (IPCB) granted variance to discontinue disinfection of Calumet effluent (1983).

IPCB granted variance to discontinue disinfection of discharges into Secondary Contact Waters (1984).

Discontinued chlorination at North Side and West-Southwest plants (1984).

Calumet TARP Pump Station and Mainstream TARP pump station on line (1985).

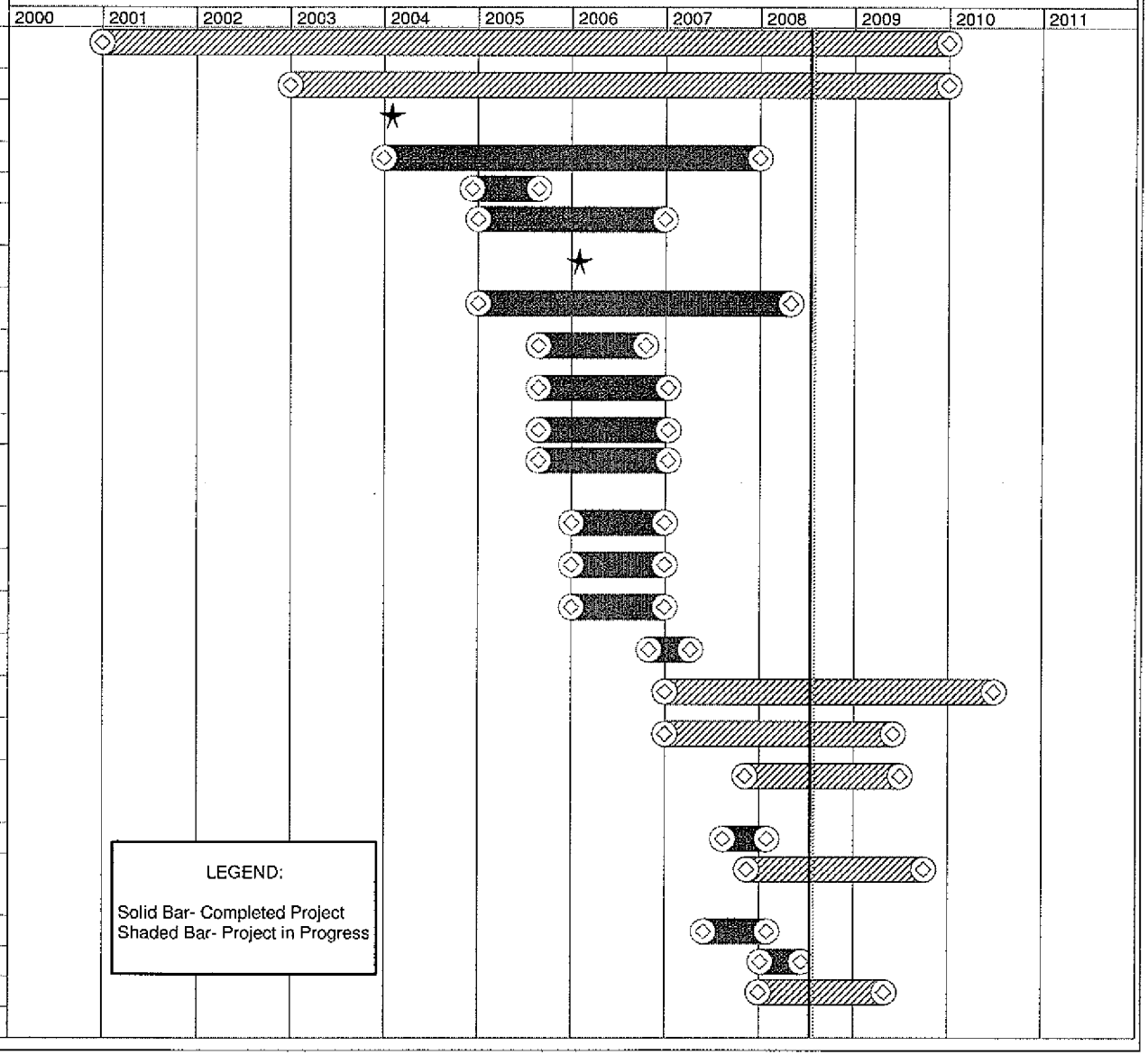
Mainstream TARP Tunnel System completed (1985).

	Des Plaines TARP Tunnel System under construction.
	Expanded secondary treatment plant capacity at Calumet WRP with addition of Batteries E1 and E2 (1985).
	USEPA approved District's Pretreatment Program (1985).
	Nitrification of Calumet effluent evident (1987).
	Cal-Sag Leg Calumet TARP System completed (1986).
1990s	Design of the Thornton Composite Reservoir and McCook Reservoir underway.
	Construction of portions of the Calumet TARP Tunnel System.
	Improved nitrification at the Stickney, Calumet, and North Side WRPs.
	Side-stream elevated pool aeration (SEPA) stations along the Calumet-Sag Channel (1992 and 1994).
	SEPA stations along Calumet River and Little Calumet River on line (1994).
	O'Hare Chicago Underflow Plan Reservoir completed (1998).
	Des Plaines TARP Tunnel System completed (1999).
2000s	Completed Stickney Master Plan (2004).
	Completed Calumet Master Plan (2005).
	Completed Calumet TARP Tunnel System (2006).
	Completed Phase I of TARP (2006)
	Completed North Side Master Plan (2007).
	Design and construction of various components of the Master Plans.
2014	Anticipated completion of the Thornton Composite Reservoir (7.9 billion gallons).
2015	Anticipated completion of Stage 1 of the McCook Reservoir (3.5 billion gallons).
2024	Anticipated completion of Stage 2 of the McCook Reservoir (6.5 billion gallons).

Attachment 9

UAA Timeline

Initiatives - MWRD (unless otherwise noted)
Ambient Water Quality Monitoring Program initiated to support UAA
CAWS UAA Begins (IEPA Initiative)
Draft UAA Report issued-cites proposed microbial water quality standards (IEPA Initiative)
Fecal Coliform Distribution Study
Disinfection Evaluation (TM-1WQ)
Expert Panel reviews EPA Bacterial criteria and its applicability to the CAWS
Expert Panel report recommending a microbial risk assessment and epidemiological study issued
Quantitative Microbial Risk Assessment begins; study prolonged due to dry weather in 2005
End of Pipe Combined Sewer Overflow (CSO) Treatment (TM-3WQ)
Supplemental Aeration of the North and South Branches of the Chicago River (TM-4WQ)
Flow Augmentation of the Upper North Shore Channel
Flow Augmentation and Supplemental Aeration of the South Fork of the South Branch of the Chicago River (Bubbly Creek) (TM-6WQ)
Literature search conducted on effluent properties affecting disinfection efficiencies
Survey of POTWs currently using UV/ozone disinfection technologies conducted
Monitoring study initiated to assess effluent suitability for UV disinfection at 7 MWRD plants
Development of a Framework for an Integrated Water Quality Strategy for the CAWS (TM-7WQ)
Chicago Health, Environmental Exposure, and Recreation Study (CHEERS) epidemiological study
Habitat Study to determine potential of the CAWS physical habitat to support aquatic life
Integrated Strategy to Meet DO Water Quality Standards for the Chicago Area Waterways (TM-8WQ)
Disinfection Cost Study NSWRP
Economic and Environmental Assessment of Water Quality Improvements in the CAWS, and Floatable Control Evaluation, NBPS (07-859-1C)
Floatable Control Evaluation, RAPS
Disinfection Cost Study SWRP
Pilot UV technology evaluation at Hanover Park WRP



UAA Timeline