

U. S. SOUTH PIER

NOTES

- THIS SURVEY INFORMATION IS ACCURATE AS OF THE DATE OF PUBLICATION. HYDROGRAPHIC SURVEY DATA IS SUBJECT TO CHANGE RAPIDLY DUE TO SEVERAL FACTORS INCLUDING, BUT NOT LIMITED TO, DREDGING ACTIVITY, NATURAL SHOALING, AND SCOURING PROCESSES. THE U.S. ARMY CORPS OF ENGINEERS ACCEPTS NO RESPONSIBILITY FOR CHANGES IN THE HYDROGRAPHICAL CONDITIONS WHICH DEVELOP AFTER THE DATE OF PUBLICATION.

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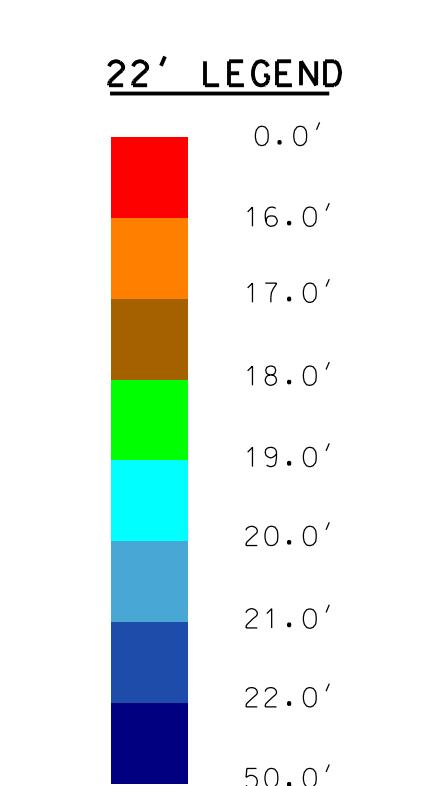
THE LOCATION OF NAVIGATION AIDS REPRESENT THEIR GENERAL LOCATION.

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, ILLINOIS EAST ZONE (1201), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM OF 1985 (IGL85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM A TIDE GAUGE BOARD LOCATED AT THE NORTHERN FACE OF THE MAIN BREAKWATER ON THE SOUTH SIDE OF THE CHANNEL. DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.

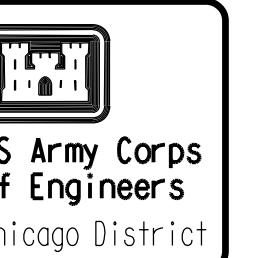
HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY U.S. COAST GUARD DIFFERENTIAL BROADCAST STATIONS. SIGNAL STRENGTH IS USED AS THE DETERMINING FACTOR IN DIFFERENTIAL SELECTION. THE DGPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0.

UNLESS OTHERWISE NOTED PROJECT DEPTH IS 22 FEET.



**CHICAGO DISTRICT
WAUKEGAN HARBOR, ILLINOIS
FEDERAL NAVIGATION CHANNEL**

Sheet
reference
number:
WKH-01
Sheet 1 of 1



Date Acq	Description

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS, MICHIGAN	Surveyed by: J. S. M.	Date: Oct. 28, 2011	Survey Date: Oct. 28, 2011
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			Plot date: Oct. 28, 2011
			Plot scale: 1:100'
	Approval Recommended: AIAA Engg. Soc. Off.:	Rev'd by: J. S. M.	File name: Plot C004:
	Approved by: AIAA Engg. Soc. Off.:	Submitt'd by: J. S. M.	
	Dist. Engg. Off.:	Sheet No.: WKH-01	

CHICAGO DISTRICT
FEDERAL NAVIGATION CHANNEL
WAUKEGAN HARBOR, ILLINOIS
WAUKEGAN HARBOR
SURVEY SECTION 1
CONDITION SURVEY

Sheet reference
number:
WKH-01
Sheet 1 of 2

