

Reversals to Lake Michigan

Reversals refer to opening gates or locks that separate the lake from the river system which allows the rivers to flow out to the lake. Reversals are necessary during extreme precipitation events to prevent overbank flooding along the Chicago Area Waterways. Under normal conditions the rivers flow away from the lake into the Des Plaines River near Lockport, Illinois.

| | <u>Date</u> | <u>O'Brien Lock</u> | <u>CRCW</u> | <u>Wilmette</u> | <u>Total Volume (Million Gallons)</u> |
|-------------|----------------|---------------------|-------------|-----------------|---------------------------------------|
| 2015 | 6/15-16/2015 | | 997.5 | 167.2 | 1164.7 |
| 2014 | 6/30-7/1/14 | | 362.0 | 163.0 | 525.0 |
| 2013 | 4/18-19/13 | 3185.6 | 6104.7 | 1429.2 | 10719.5 |
| 2012 | None | | | | 0.0 |
| 2011 | 7/24/2011 | | 1716.2 | 504.3 | 2220.5 |
| | 5/29/2011 | | | 107.0 | 107.0 |
| 2010 | 7/24/2010 | | 5784.6 | 750.3 | 6534.9 |
| 2009 | 6/19/2009 | | | 191.6 | 191.6 |
| | 3/8/2009 | | | 143.1 | 143.1 |
| | 2/26-27/09 | | | 78.9 | 78.9 |
| 2008 | 12/27-28/08 | | | 460.8 | 460.8 |
| | 9/13-16/08 | 2669.2 | 5438.2 | 2941.7 | 11049.1 |
| 2007 | 8/23-24/07 | | | 224.0 | 224.0 |
| 2006 | None | | | | 0.0 |
| 2005 | None | | | | 0.0 |
| 2004 | None | | | | 0.0 |
| 2003 | None | | | | 0.0 |
| 2002 | 8/22/2002 | | 1296.4 | 455.4 | 1751.8 |
| 2001 | 10/13/2001 | | | 90.7 | 90.7 |
| | 8/31/2001 | | | 75.3 | 75.3 |
| | 8/2/2001 | | 883.1 | 139.9 | 1023.0 |
| 2000 | None | | | | 0.0 |
| 1999 | 6/13/1999 | | | 9.7 | 9.7 |
| 1998 | None | | | | 0.0 |
| 1997 | 8/16-8/17/97 | | 402.0 | 157.0 | 559.0 |
| | 2/20-2/22/97 | 1458.0 | 1947.0 | 774.0 | 4179.0 |
| 1996 | 7/17-7/18/96 | 1032.0 | 519.0 | | 1551.0 |
| 1995 | None | | | | 0.0 |
| 1994 | None | | | | 0.0 |
| 1993 | None | | | | 0.0 |
| 1992 | None | | | | 0.0 |
| 1991 | None | | | | 0.0 |
| 1990 | 11/27-11/28/90 | 224.0 | 86.0 | 154.0 | 464.0 |
| | 8/17-8/18/90 | | | 9.5 | 9.5 |
| | 5/9-5/10/90 | | 208.0 | 289.0 | 497.0 |
| 1989 | 8/3-8/4/89 | | | 52.0 | 52.0 |
| 1988 | None | | | | 0.0 |
| 1987 | 8/25-8/26/87 | | | 18.0 | 18.0 |
| | 8/13-8/14/87 | | 986.0 | 971.0 | 1957.0 |
| 1986 | 10/3/1986 | | | 53.0 | 53.0 |
| 1985 | 8/6/1985 | | | 58.0 | 58.0 |
| | 3/4/1985 | | | 153.3 | 153.3 |