

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO
 AMBIENT WATER QUALITY MONITORING DATA

**Comparison of Chicago Area Waterway System Chloride Concentrations to 500 mg/L and 990 mg/L
 During Winter Months Between January 2006 - April 2017**

Name	Year	N ¹	N >500 mg/L	Percent >500 mg/L	N >990 mg/L ²	Percent >990 mg/L ²
Dempster Street, North Shore Channel	2012	1	0	0.0		
	2013	3	1	33.3		
	2014	2	0	0.0		
	2015	2	0	0.0		
	2016	3	0	0.0		
	2017	3	0	0.0		
	2006-2017	14	1	7.1		
Touhy Avenue, North Shore Channel	2006	5	0	0.0		
	2007	5	2	40.0		
	2008	5	0	0.0		
	2009	5	1	20.0		
	2010	4	1	25.0		
	2011	5	1	20.0		
	2012	5	1	20.0		
	2013	4	0	0.0		
	2014	5	0	0.0		
	2015	5	2	40.0		
	2016	5	0	0.0		
	2017	3	0	0.0		
	2006-2017	56	8	14.3		
	Diversey Parkway, North Branch Chicago River	2006	5	0	0.0	
2007		5	0	0.0		
2008		5	1	20.0		
2009		5	1	20.0		
2010		5	0	0.0		
2011		5	0	0.0		
2012		5	0	0.0		
2013		5	0	0.0		
2014		5	1	20.0		
2015		5	2	40.0		
2016		5	0	0.0		
2017		4	0	0.0		
2006-2017		59	5	8.5		
Wells Street, Chicago River		2006	5	0	0.0	
	2007	4	1	25.0		
	2008	5	0	0.0		
	2009	4	0	0.0		
	2010	5	0	0.0		
	2011	5	0	0.0		
	2012	5	0	0.0		
	2013	5	0	0.0		
	2014	4	0	0.0		
	2015	5	0	0.0		
	2016	4	0	0.0		
	2017	4	0	0.0		
	2006-2017	55	1	1.8		
	Loomis Street, South Branch Chicago River	2006	5	0	0.0	
2007		5	2	40.0		
2008		5	0	0.0		
2009		5	0	0.0		
2010		5	0	0.0		
2011		5	0	0.0		
2012		5	0	0.0		
2013		5	0	0.0		
2014		5	0	0.0		
2015		4	0	0.0		
2016	5	0	0.0			
2017	4	1	0.3			

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Name	Year	N ¹	N >500 mg/L	Percent >500 mg/L	N >990 mg/L ²	Percent >990 mg/L ²
	2006-2017	58	3	5.2		
Cicero Avenue, Chicago Sanitary & Ship Canal	2006	5	0	0.0	0	0.0
	2007	5	1	20.0	0	0.0
	2008	5	0	0.0	0	0.0
	2009	5	0	0.0	0	0.0
	2010	5	0	0.0	0	0.0
	2011	5	0	0.0	0	0.0
	2012	5	1	20.0	0	0.0
	2013	5	0	0.0	0	0.0
	2014	4	2	50.0	0	0.0
	2015	5	1	20.0	0	0.0
	2016	4	0	0.0	0	0.0
	2017	4	0	0.0	0	0.0
	2006-2017	57	5	8.8	0	0.0
Harlem Avenue, Chicago Sanitary & Ship Canal	2006	5	0	0.0	0	0.0
	2007	5	1	20.0	1	20.0
	2008	5	0	0.0	0	0.0
	2009	5	0	0.0	0	0.0
	2010	5	0	0.0	0	0.0
	2011	5	0	0.0	0	0.0
	2012	5	0	0.0	0	0.0
	2013	5	0	0.0	0	0.0
	2014	4	2	50.0	0	0.0
	2015	5	0	0.0	0	0.0
	2016	5	0	0.0	0	0.0
	2017	4	0	0.0	0	0.0
	2006-2017	58	3	5.2	1	1.7
Stephen Street, Chicago Sanitary & Ship Canal	2006	5	0	0.0	0	0.0
	2007	4	0	0.0	0	0.0
	2008	5	0	0.0	0	0.0
	2009	3	0	0.0	0	0.0
	2010	5	1	20.0	0	0.0
	2011	5	0	0.0	0	0.0
	2012	5	0	0.0	0	0.0
	2013	5	0	0.0	0	0.0
	2014	4	1	25.0	0	0.0
	2015	4	1	25.0	0	0.0
	2016	5	0	0.0	0	0.0
	2017	4	0	0.0	0	0.0
	2006-2017	54	3	5.6	0	0.0
Lockport Forebay, Chicago Sanitary & Ship Canal	2006	20	0	0.0	0	0.0
	2007	21	4	19.0	0	0.0
	2008	22	4	18.2	0	0.0
	2009	20	0	0.0	0	0.0
	2010	19	1	5.3	0	0.0
	2011	20	1	5.0	0	0.0
	2012	21	0	0.0	0	0.0
	2013	21	2	9.5	0	0.0
	2014	21	4	19.0	0	0.0
	2015	20	3	15.0	0	0.0
	2016	19	0	0.0	0	0.0
	2017	16	0	0.0	0	0.0
	2006-2017	240	19	7.9	0	0.0
Burnham Avenue, Grand Calumet River	2006	4	0	0.0		
	2007	3	0	0.0		
	2008	3	0	0.0		
	2009	2	0	0.0		
	2010	1	0	0.0		
	2011	3	0	0.0		
	2012	4	0	0.0		

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	2013	2	0	0.0		
	2014	3	0	0.0		
	2015	4	0	0.0		
	2016	3	0	0.0		
	2017	4	0	0.0		
	2006-2017	36	0	0.0		
Indiana Avenue, Little Calumet River	2006	4	0	0.0		
	2007	3	0	0.0		
	2008	2	0	0.0		
	2009	2	0	0.0		
	2010	3	0	0.0		
	2011	3	0	0.0		
	2012	3	0	0.0		
	2013	2	0	0.0		
	2014	3	0	0.0		
	2015	2	0	0.0		
	2016	3	0	0.0		
	2017	4	0	0.0		
	2006-2017	34	0	0.0		
Halsted Street, Little Calumet River	2006	4	0	0.0		
	2007	4	1	25.0		
	2008	5	0	0.0		
	2009	4	0	0.0		
	2010	4	0	0.0		
	2011	4	0	0.0		
	2012	4	0	0.0		
	2013	4	0	0.0		
	2014	5	0	0.0		
	2015	3	0	0.0		
	2016	4	0	0.0		
	2017	4	0	0.0		
	2006-2017	49	1	2.0		
Cicero Avenue, Calumet Sag Channel	2006	4	0	0.0		
	2007	4	1	25.0		
	2008	4	0	0.0		
	2009	3	0	0.0		
	2010	4	0	0.0		
	2011	4	0	0.0		
	2012	4	0	0.0		
	2013	4	0	0.0		
	2014	4	0	0.0		
	2015	3	0	0.0		
	2016	4	0	0.0		
	2017	4	0	0.0		
	2006-2017	46	1	2.2		
Route 83, Calumet Sag Channel	2006	4	0	0.0		
	2007	4	1	25.0		
	2008	3	0	0.0		
	2009	3	0	0.0		
	2010	4	0	0.0		
	2011	4	0	0.0		
	2012	4	0	0.0		
	2013	4	0	0.0		
	2014	4	0	0.0		
	2015	4	0	0.0		
	2016	5	0	0.0		
	2017	4	0	0.0		
	2006-2017	47	1	2.1		

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¹N=Number of Observations.

²Site specific standard of 990 mg/L only applies to the Chicago Sanitary and Ship Canal