

LOWER DES PLAINES CHLORIDE VARIANCE WORKGROUP  
 AMBIENT WATER QUALITY MONITORING DATA

**Comparison of Lower Des Plaines River Chloride Concentrations to 500 mg/L  
 During Winter Months Between February 2003 - February 2018**

Name	Year	N <sup>1</sup>	N >500 mg/L	Percent >500 mg/L	Comment
Oiltanking, Des Plaines River (Site LDPRCW_03)	2016	19	1	5.3	Sample anomaly on April 27, 2017
	2017	22	1	4.5	
	2018	6	0	0.0	
	<b>2016-2018</b>	<b>47</b>	<b>2</b>	<b>4.3</b>	
Brandon Street Bridge, Des Plaines River (Site LDPRCW_02)	2016	16	0	0.0	
	<b>2016</b>	<b>16</b>	<b>0</b>	<b>0.0</b>	
Ruby Street Bridge, Des Plaines River (Site LDPRCW_01)	2016	20	0	0.0	
	2017	24	0	0.0	
	2018	8	2	25.0	
	<b>2016-2018</b>	<b>52</b>	<b>2</b>	<b>3.8</b>	
Hickory Creek (Site GG-22)	2003	1	1	100.0	
	2004	3	0	0.0	
	2005	3	1	33.3	
	2006	2	1	50.0	
	2007	0	0	----	
	2008	1	0	0.0	
	2009	4	0	0.0	
	2010	4	0	0.0	
	2011	3	0	0.0	
	2012	3	0	0.0	
	2013	5	1	20.0	
	2014	3	0	0.0	
	<b>2003-2014</b>	<b>32</b>	<b>1</b>	<b>3.1</b>	
	Des Plaines (Site G-23)	2003	3	0	
2004		3	0	0.0	
2005		3	1	33.3	
2006		4	2	50.0	
2007		1	0	0.0	
2008		3	0	0.0	
2009		8	0	0.0	
2010		4	0	0.0	
2011		3	0	0.0	
2012		3	0	0.0	
2013		3	0	0.0	
2014		3	1	33.3	
<b>2003-2017</b>		<b>41</b>	<b>4</b>	<b>9.8</b>	
Un Trib to Des Plaines River (Site D004)		2012	1	0	0.0
	2013	0	0	----	
	2014	1	0	0.0	
	2015	1	0	0.0	
	2016	1	0	0.0	
	<b>2012-2016</b>	<b>4</b>	<b>0</b>	<b>0.0</b>	
	2017	1	0	0.0	
Hickory Creek (Site GG-14)	2012	1	0	0.0	
	2013	4	1	25.0	
	2014	5	2	40.0	
	2015	9	3	33.3	
	2016	16	0	0.0	
	2017	13	0	0.0	
	<b>2012-2017</b>	<b>48</b>	<b>6</b>	<b>12.5</b>	
Spring Creek (Site GGA-02)	2012	1	0	0.0	
	2013	4	0	0.0	
	2014	4	0	0.0	
	2015	3	0	0.0	
	2016	12	0	0.0	
	2017	8	0	0.0	
	<b>2012-2017</b>	<b>32</b>	<b>0</b>	<b>0.0</b>	
Spring Creek (Site GGA-A-C2)	2015	11	0	0.0	
	2016	10	0	0.0	
	2017	12	0	0.0	
	<b>2015-2017</b>	<b>33</b>	<b>0</b>	<b>0.0</b>	
Marley Creek (Site GGB-02)	2012	4	0	0.0	
	2013	4	0	0.0	
	2014	4	3	75.0	
	2015	17	4	23.5	
	2016	15	0	0.0	
	2017	11	0	0.0	
<b>2012-2017</b>	<b>55</b>	<b>7</b>	<b>12.7</b>		
Marley Creek (Site HC-MC-01)	2015	12	2	16.7	
	2016	10	0	0.0	
	2017	12	0	0.0	
	<b>2015-2017</b>	<b>34</b>	<b>2</b>	<b>5.9</b>	
E. Branch of Marley Creek (Site GGB-A)	2015	12	3	25.0	
	2016	15	3	20.0	
	2017	11	2	18.2	
	<b>2015-2017</b>	<b>38</b>	<b>8</b>	<b>21.1</b>	
Union Ditch (Site GGC-03)	2014	4	0	0.0	
	2015	1	0	0.0	
	2016	16	1	6.3	
	2017	12	0	0.0	
	<b>2014-2017</b>	<b>33</b>	<b>1</b>	<b>3.0</b>	

<sup>1</sup>N=Number of Observations.

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