

Hourly Dissolved Oxygen Data During 2013-2017 Compared to Chicago Area
Waterway System Aquatic Life Use A Water Quality Standard

Location	Year	Total N	N < Standard ¹	Percent Compliance
Church Street, North Shore Channel ²	2013	2,635	575	78.2
	2014	4,242	935	78.0
	2015	3,386	67	98.0
	2016	5,530	370	93.3
	2017	8,495	1,254	85.2
	2013-2017	24,288	3,201	86.8
Foster Avenue, North Shore Channel	2013	8,701	44	99.5
	2014	7,245	19	99.7
	2015	8,758	46	99.5
	2016	7,257	15	99.8
	2017	6,996	3	100.0
	2013-2017	38,957	127	99.7
Addison Street, North Branch Chicago River	2013	7,411	126	98.3
	2014	8,448	53	99.4
	2015	8,304	78	99.1
	2016	8,278	92	98.9
	2017	8,760	28	99.7
	2013-2017	41,201	377	99.1
Division Street, North Branch Chicago River	2013	4,046	403	90.0
	2014	8,423	85	99.0
	2015	6,739	296	95.6
	2016	8,781	648	92.6
	2017	8,110	532	93.4
	2013-2017	36,099	1,964	94.6
Kinzie Street, North Branch Chicago River ³	2013	3,367	13	99.6
	2013-2017	3,367	13	99.6
Loomis Street, South Branch Chicago River	2013	7,390	702	90.5
	2014	8,757	518	94.1
	2015	8,255	133	98.4
	2016	8,281	953	88.5
	2017	8,255	440	94.7
	2013-2017	40,938	2,746	93.3
C&W Indiana RR, Little Calumet River	2013	6,767	642	90.5
	2014	6,875	283	95.9
	2015	6,227	350	94.4
	2016	7,320	254	96.5
	2017	8,759	233	97.3
	2013-2017	35,948	1,762	95.1
Halsted Street, Little Calumet River	2013	6,731	534	92.1
	2014	7,702	314	95.9
	2015	5,875	772	86.9

	2016	4,943	231	95.3
	2017	8,759	409	95.3
	2013-2017	34,010	2,260	93.4
Cicero Avenue, Cal-Sag Channel	2014	6,924	941	86.4
	2015	7,890	689	91.3
	2016	8,779	384	95.6
	2017	8,759	297	96.6
	2013-2017	32,352	2,311	92.9
Route 83, Cal-Sag Channel	2013	8,760	1,249	85.7
	2014	8,423	1,260	85.0
	2015	8,205	1,553	81.1
	2016	7,748	875	88.7
	2017	8,231	502	93.9
	2013-2017	41,367	5,439	86.9

N = Number of Dissolved Oxygen Readings

¹Compared to Water Quality Standard of 5.0 mg/L March - July, 3.5 mg/L August - February

²During 2013-2016, the Church Street monitor was only deployed during certain spring, summer, and fall months. Full-time deployment started November, 2016.

³Kinzie Street location was replaced by Division Street in June 2013, after being damaged by a barge.

Hourly Dissolved Oxygen Data During 2013-2017 Compared to Chicago Area
Waterway System Aquatic Life Use B Water Quality Standard

Location	Year	Total N	N < Standard ¹	Percent Compliance
Cicero Avenue, CSSC	2013	7,415	1,546	79.2
	2014	8,758	1,624	81.5
	2015	8,759	714	91.8
	2016	8,277	2,019	75.6
	2017	7,415	594	92.0
	2013-2017	40,624	6,497	84.0
B&O Central Railroad, CSSC	2013	7,776	184	97.6
	2014	7,929	388	95.1
	2015	8,626	200	97.7
	2016	7,299	701	90.4
	2017	8,252	298	96.4
	2013-2017	39,882	1,771	95.6
Lockport Powerhouse, CSSC	2013	7,718	607	92.1
	2014	8,759	2,126	75.7
	2015	7,585	974	87.2
	2016	8,783	2,641	69.9
	2017	8,760	687	92.2
	2013-2017	41,605	7,035	83.1

N = Number of Dissolved Oxygen Readings

CSSC = Chicago Sanitary and Ship Canal

¹Compared to Water Quality Standard of 3.5 mg/L anytime