

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
4/6/1981	14.8	12.9	12.0	12.2	11.0	11.1	10.6	6.0
4/14/1981	13.2	11.4	11.5	11.1	10.2	10.6	10.0	8.4
4/20/1981	16.3	13.0	12.3	11.6	9.8	10.1	9.4	4.8
4/28/1981	14.6	13.4	11.6	11.6	7.9	8.6	7.8	4.4
5/5/1981	7.6	7.8	8.1	8.8	6.6	8.0	7.5	4.0
5/11/1981	12.3	11.5	11.1	12.1	10.6	10.1	8.3	3.9
5/18/1981	12.7	12.4	11.0	12.1	12.1	8.4	8.0	4.5
5/27/1981	12.7	8.3	7.3	9.3	7.6	6.0	4.8	3.1
6/3/1981	8.2	7.0	6.6	8.4	5.1	5.5	3.5	3.3
6/11/1981	9.0	5.6	5.6	10.2	8.0	9.2	1.6	1.4
6/17/1981	9.5	9.1	9.3	8.8	9.0	9.4	6.5	3.6
6/23/1981	10.7	9.4	9.6	8.8	8.8	8.7	7.0	3.3
6/29/1981	9.3	9.5	8.0	11.4	9.0	7.1	5.5	5.3
7/9/1981	7.6	5.2	3.9	5.4	6.0	4.9	5.6	8.5
7/15/1981	9.2	9.2	9.8	8.1	8.1	8.6	6.8	4.6
7/20/1981	8.3	8.7	7.8	8.6	6.9	7.8	6.4	6.9
7/27/1981	9.7	9.5	9.9	9.8	9.8	8.8	8.4	4.9
8/5/1981	11.5	9.8	10.6	12.8	10.8	10.6	8.4	3.9
8/11/1981	11.6	11.6	10.8	12.6	11.8	9.9	8.9	7.0
8/17/1981	10.5	9.4	9.2	10.4	7.2	8.6	7.8	2.6
8/27/1981	7.6	7.4	7.2	6.3	6.9	7.0	5.0	0.5
8/31/1981	10.8	9.9	10.1	9.6	10.2	10.7	10.4	6.8
9/9/1981	9.4	7.3	8.0	7.5	7.4	6.9	6.4	5.0
9/16/1981	8.9	8.4	9.8	9.1	8.3	6.7	8.1	4.9
9/21/1981	7.8	8.3	8.5	9.4	9.2	9.2	7.4	3.2
9/29/1981	10.6	10.0	10.0	9.6	9.6	9.2	9.6	7.6
10/7/1981	14.8	13.6	13.7	13.2	13.7	13.6	13.3	7.6
10/12/1981	11.8	11.0	10.6	10.2	10.2	10.2	10.2	8.5
10/21/1981	12.2	11.8	11.8	11.6	11.8	12.2	11.9	10.8
10/26/1981	12.9	12.6	12.6	12.4	12.6	12.2	12.0	11.2
11/2/1981	9.7	9.4	8.7	8.2	8.4	8.8	8.2	6.6
11/9/1981	12.8	12.8	12.6	12.6	12.6	11.6	11.4	8.4
11/18/1981	12.6	11.8	11.4	11.5	10.9	11.4	10.8	9.6
11/23/1981	14.4	13.2	13.2	12.6	12.0	12.4	12.3	8.2
12/1/1981	13.2	13.7	13.6	13.4	13.2	13.5	13.6	13.0
12/8/1981	12.4	12.4	12.4	12.6	12.8	12.0	12.0	11.0
12/14/1981	12.6	12.6	12.6	12.6	12.6	12.6	12.6	11.6
3/22/1982	12.2	11.9	12.0	11.9	11.8	12.4	12.6	11.8

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Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
3/29/1982	14.1	13.6	13.5	13.6	13.6	13.7	13.9	13.6
3/30/1982	13.8	13.7	13.7	13.6	13.7	13.7	13.6	13.2
4/5/1982	14.1	13.6	13.5	13.6	13.6	13.7	13.9	13.6
4/14/1982	13.2	12.8	12.8	12.8	12.6	12.9	12.6	12.4
4/19/1982	11.0	10.2	10.4	10.4	10.2	10.2	10.2	9.8
4/26/1982	10.0	11.4	10.6	10.4	10.4	10.0	9.6	7.4
5/4/1982	13.0	12.5	12.5	11.0	10.5	10.5	11.2	6.6
5/10/1982	14.8	13.0	12.4	12.1	8.8	11.3	9.2	4.2
5/19/1982	8.1	8.8	7.4	8.4	6.4	6.3	3.8	1.4
5/24/1982	10.2	10.4	10.6	10.2	10.2	10.2	11.0	7.0
6/1/1982	8.0	9.1	9.4	8.5	8.7	8.9	9.1	5.0
6/7/1982	8.6	8.2	8.2	9.0	8.0	8.2	7.1	5.2
6/14/1982	7.4	7.3	7.6	10.4	5.9	6.2	4.1	3.7
6/21/1982	11.0	8.9	11.2	11.4	9.6	11.4	9.9	4.4
6/28/1982	7.4	7.4	8.6	8.6	8.6	8.4	7.3	7.0
7/6/1982	6.5	5.8	6.5	7.6	6.2	6.3	6.4	3.5
7/12/1982	9.2	8.8	8.8	9.6	9.0	6.1	4.1	2.6
7/20/1982	9.1	9.5	7.7		5.6	6.5	3.2	3.4
7/26/1982	5.6	7.1	7.7	9.7	6.5	7.3	3.5	2.0
8/2/1982	8.7	7.7	7.8	7.6	6.5	6.4	5.1	3.6
8/9/1982	8.3	7.7	7.4	8.9	6.2	7.4	1.3	1.3
8/16/1982	10.3	8.8	8.1	8.2	4.8	8.0	3.1	0.9
8/23/1982	13.2	9.8	8.3	8.4	7.9	7.0	3.2	2.3
8/30/1982	9.0	11.0	11.0	5.5	6.0	8.6	5.4	2.3
9/7/1982	11.2	8.6	9.2	8.9	8.8	8.0	5.6	4.1
9/13/1982	8.2	6.8	6.2	5.8	5.3	5.5	4.7	3.5
9/20/1982	10.4	10.2	9.8	13.2	11.8	9.1	7.7	4.0
9/27/1982	9.8	10.4	9.9	10.4	10.7	9.5	3.0	3.7
10/4/1982	9.9	8.8	7.9	8.8	8.8	7.5	4.9	3.5
10/11/1982	8.7	8.9	9.5	8.9	8.3	8.8	4.9	2.6
10/18/1982	13.0	11.8	10.8	10.8	11.2	12.0	8.6	9.7
10/25/1982	12.2	12.4	11.4	12.0	11.0	12.8	9.3	6.0
11/1/1982	10.8	10.4	10.4	9.4	10.4	10.1	10.4	6.8
11/8/1982	12.0	12.8	12.2	12.2	12.0	12.0	14.6	10.8
11/10/1982	13.6	11.6	11.9	11.6	10.7	10.8	10.4	10.1
11/10/1982	12.0	12.6	11.9	11.8	11.8	10.1	10.6	10.1
11/16/1982	14.6	14.6	14.6	14.2	14.3	14.2	13.7	13.0
11/22/1982	12.4	12.1	12.4	12.2	11.7	11.9	11.5	9.2

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	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
11/29/1982	17.8	18.2	18.6	18.0	17.2	12.2	12.2	16.6
12/6/1982	14.4	13.6	13.8	13.8	13.8	13.8	13.2	11.6
12/13/1982	9.4	8.2	8.6	10.4	8.2		13.1	13.1
1/3/1983	14.2	6.2	5.3	14.2	14.1	14.1	14.2	13.6
1/10/1983	12.4	13.0	12.8	13.0	12.4	13.2	13.0	13.6
1/31/1983	13.4	13.4	13.4	14.1	12.2	12.6	13.9	11.9
2/7/1983	10.2	6.2	12.2	11.8	12.0	12.4	12.4	11.8
2/14/1983	13.4	12.8	14.0	13.5	14.0		13.8	11.4
2/22/1983	14.1	14.8	13.3	14.8	13.7	14.0	13.9	13.8
2/28/1983	13.8	13.8	13.9	13.6	14.0	13.8	14.0	12.6
3/7/1983	10.8	11.7	11.5	10.6	11.8	11.7	11.4	10.3
3/14/1983	11.8	12.6	12.6	13.4	13.6	13.4	13.2	13.7
3/22/1983	16.0	16.2	14.2	14.2	16.0	15.0		
3/28/1983	13.0	14.4	14.4	14.4	15.2	13.6	13.6	13.4
4/11/1983	13.2	12.0	13.2	12.2	12.4	12.4	13.0	13.0
4/20/1983	14.2	14.2	14.4	14.2	14.2	13.6	12.6	11.6
4/25/1983	11.4	12.0	11.6	11.8	11.8	11.4	11.4	10.2
5/2/1983	10.0	10.2	10.8	7.5	10.6	10.6	10.8	8.8
5/9/1983	11.6	12.3	11.5	11.6	11.2	11.2	11.8	7.3
5/16/1983	11.4	12.0	10.6	10.2	11.0	13.2	13.3	14.4
5/23/1983	9.1	8.4	8.5	8.0	8.2	8.6	9.0	7.6
5/31/1983	10.8	9.4	9.2	9.0	9.4	9.6	9.3	5.4
6/6/1983	11.4	9.4	8.0	9.4	8.6	9.2	6.6	6.2
6/13/1983	7.5	8.2	7.8	8.5	8.4	8.8	8.0	6.0
6/20/1983	9.1	8.1	6.2	10.8	8.3	8.5	6.3	6.0
6/27/1983	8.2	6.7	5.1	8.1	8.1	5.4	4.6	3.0
7/5/1983	7.7	7.2	7.2	7.3	7.3	7.2	5.5	3.9
7/11/1983	12.0	9.1	7.0	11.9	7.9	6.8	5.5	6.4
7/18/1983	9.5	9.1	5.2	8.4	8.0	4.5	5.3	6.0
7/25/1983	13.2	11.4	5.0	9.6	6.8	4.3	3.4	3.6
8/1/1983	7.1	6.6	5.9	7.2	5.5	4.9	3.9	4.7
8/8/1983	12.2	12.0	5.2	10.0	7.9	5.4	4.6	3.6
8/16/1983	5.1	5.4	4.0	10.0	3.5	6.1	4.8	3.6
8/22/1983	7.5	7.9	6.8	5.2	5.8	6.4	4.9	4.0
8/29/1983	5.5	6.5	6.7	6.9	6.2	8.0	6.6	3.1
9/6/1983	7.7	6.5	7.2	6.7	6.4	7.0	6.4	4.0
9/19/1983	9.2	8.6	8.5	8.5	8.3	8.8	8.5	3.8
10/3/1983	15.4	11.2	9.2	10.8	10.8	10.0	8.4	6.2

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	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
10/10/1983	10.8	10.8	10.2	9.6	10.2	11.2	9.2	4.8
10/17/1983	13.0	11.2	9.2	3.2	9.6			
10/25/1983	12.8	11.1	10.0	8.6	9.4	10.3	8.1	3.9
10/31/1983	11.0	9.6	10.6	11.4	12.0	11.2	7.2	5.2
11/7/1983	15.8	12.8	10.7	10.7	11.0	11.0	8.7	5.8
11/14/1983	16.2	16.2	13.0	12.2	12.5	13.4	9.3	7.8
11/21/1983	11.5	11.3	9.7	11.0	11.0	11.4	8.8	6.8
11/30/1983	20.0	16.5	16.6	16.2	20.0	16.2	16.8	16.2
12/5/1983	14.2	13.5	14.2	12.9	14.6	13.5	13.6	13.0
12/12/1983	15.2	14.1	14.2	14.0	14.2	16.0	15.0	12.6
1/3/1984	9.9	3.2	13.8		14.6	14.2	15.2	11.6
1/9/1984	14.2	13.6	13.8	13.6	13.4		12.0	9.8
1/16/1984	7.2		13.4	12.6	13.8			12.6
1/23/1984	13.6	13.0	13.1	12.3	10.2		13.6	10.4
1/30/1984	14.6	14.0	14.2	14.2	13.6	12.9	13.8	11.2
2/6/1984	11.6	9.4	11.7	11.5	11.6	9.2	11.5	11.5
2/13/1984	12.2	11.6	11.6	11.6	10.6	12.0	11.6	10.8
2/21/1984	14.4	13.8	12.4	12.7	13.9	14.0	13.9	14.1
2/27/1984	14.8	14.1	12.4	13.5	13.6	13.5	14.2	13.7
3/5/1984	14.2	14.0	14.5	14.0	14.2	13.4	14.2	12.6
3/12/1984	10.0	14.6	15.1	15.4	10.0		14.2	11.4
3/19/1984	16.8				15.4			13.4
3/21/1984	14.3	13.6	11.9	8.7	12.9	13.4	13.4	12.1
3/26/1984	13.2	13.4	12.2	12.8	13.4	12.9	12.6	11.4
4/2/1984	16.4	16.2	12.0	16.8	14.2	13.6	13.4	9.2
4/9/1984	16.2	14.4	12.4	12.4	12.2	11.9	12.6	10.6
4/16/1984	11.4	10.5	11.5	9.6	10.8	11.4	11.7	9.4
4/23/1984	12.9	12.2	9.5	11.2	10.6	11.0	10.9	10.4
5/1/1984	13.0	10.3	8.5	8.6	9.2	10.6	10.4	9.9
5/7/1984	15.4	13.4	14.4	12.4	11.8	10.6	10.8	11.2
5/14/1984	16.2	12.9	13.4	11.9	10.0	12.0	9.7	6.2
5/21/1984	9.2	10.0	8.8	9.2	18.8	9.2	9.2	2.1
5/29/1984	12.4	10.6	9.6	9.4	9.8	10.2	9.7	9.2
6/4/1984	14.3	11.9	9.1	10.2	8.3	8.8	8.4	8.2
6/11/1984	7.8	8.1	7.9	7.1	7.7	8.3	7.6	6.5
6/18/1984	8.4	7.6	7.4	8.6	8.4	8.7	8.3	6.4
6/25/1984	7.8	7.2	7.4	5.2	7.6	7.8	7.4	5.0
7/2/1984	10.5	9.9	8.5	8.0	7.4	8.4	7.2	6.5

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	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
7/9/1984	8.4	9.9	8.4	8.7	9.2	7.4	6.7	3.5
7/17/1984	8.1	7.0	6.1	5.6	-99.9	7.0	5.4	3.8
7/23/1984	11.0	9.2	7.7	8.3	11.1	7.9	5.9	5.4
8/1/1984	16.2	15.2	8.6	8.0	5.0	8.2	6.0	0.6
8/7/1984	8.8	9.5	7.6	8.8	4.2	6.6	2.0	1.0
8/20/1984	8.9	7.8	7.7	7.9	6.2	4.2	1.2	0.9
8/27/1984	8.2	9.7	6.3	6.9	7.3	7.1	7.0	2.6
9/4/1984	9.8	7.6	7.4	6.3	6.2	7.2	5.2	2.2
9/24/1984	7.6	7.3	7.4	7.8	6.7	7.4	5.8	2.2
10/1/1984	15.2	12.8	10.8	9.0	10.7	10.4	5.8	4.6
10/8/1984	6.3	8.9	7.9	8.5	8.1	8.8	7.3	2.9
10/17/1984	11.0	9.8	8.1	8.0	8.4	9.4	7.8	1.4
10/22/1984	11.4	11.0	10.9	9.8	10.9	11.0	10.7	10.4
11/1/1984	10.0	10.8	9.4	9.8	9.8	10.4	9.6	9.2
11/6/1984	12.6	12.5	9.6	12.6	12.2	12.5	12.2	11.6
11/14/1984	13.6	13.3	13.2	10.6	13.2	12.7	13.4	10.0
11/19/1984	12.9	14.1	11.6	13.3	13.4	13.0	13.1	13.6
11/26/1984	13.0	14.0	12.6	9.2	13.6	12.6	13.4	11.8
12/3/1984	14.8	13.3	13.2	9.9	13.6	13.4	12.2	13.0
12/10/1984	14.0	14.6	13.8	11.8	13.6	13.4	13.4	12.4
12/17/1984	12.4	12.3	12.6	11.5	12.4	12.4	12.0	11.8
3/19/1985	11.2	12.1	12.6	12.7	13.0	12.9	13.0	12.6
3/25/1985	14.2	14.1	16.0	13.1	20.0	13.1	14.8	12.2
4/1/1985	14.2	13.5	13.0	12.8	12.8	13.2	12.6	12.2
4/9/1985	13.3	13.6	13.4	13.2	13.2	13.5	13.3	12.3
5/6/1985	10.2	10.1	9.1	9.4	8.0	9.1	7.8	
5/13/1985	11.2	9.2	8.6	9.4	8.3	7.2	5.4	4.6
5/20/1985	12.3	14.2	10.2	12.2	8.1	10.6	8.8	4.4
5/30/1985	13.4	12.4	9.2	10.4	7.8	10.4	9.2	1.4
6/6/1985	13.3	10.6	8.8	10.6	8.8	8.6	6.3	0.6
6/10/1985	12.2	8.8	6.6	10.1	9.6	6.6	3.6	3.2
6/17/1985	12.2	10.9	9.6	14.0	11.6	8.4	6.6	2.1
6/24/1985	8.6	8.9	7.2	10.0	8.4	8.4	7.8	4.0
7/2/1985	9.1	6.5	5.6	8.3	9.2	4.0	0.2	3.0
7/8/1985	11.8	14.2	7.3	12.0	9.7	9.2	1.4	1.3
7/16/1985	10.8	8.1	5.6	5.6	5.8	6.8	0.0	5.1
7/22/1985	11.2	9.5	6.4	8.2	8.2	4.3	0.6	2.7
7/30/1985	8.0	8.6	7.8	7.1	6.2	7.1	8.3	5.6

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
8/5/1985	8.4	8.7	7.8	8.4	5.6	7.1	5.8	3.0
8/13/1985	9.6	8.4	6.8	8.1	4.0	4.4	0.1	1.1
8/20/1985	11.4	10.0	7.2	6.8	6.0	5.8	2.2	4.6
8/28/1985	12.0	10.8	7.6	9.8	6.2	7.7	0.6	4.2
9/3/1985	11.7	13.2	8.3	10.4	8.0	7.6	7.0	2.7
9/10/1985	8.8	7.8	7.5	4.0	6.2	7.0	5.3	0.0
9/16/1985	12.6	9.8	9.1	9.0	8.6	9.6	6.1	2.4
9/23/1985	10.3	8.6	8.6	9.2	7.4	8.2	6.2	1.6
9/30/1985	8.4	8.4	8.4	8.8	8.6	8.6	8.6	4.6
10/7/1985	13.0	12.8	10.2	9.2	10.1	10.5	9.7	3.8
10/14/1985	9.6	9.5	9.6	10.2	10.1	9.8	12.4	9.8
10/21/1985	15.3	15.4	14.4	11.2	10.2	10.0	9.9	7.4
10/28/1985	11.2	9.8	9.4	8.9	9.3	9.4	10.4	8.6
11/4/1985	11.8	11.0	10.4	11.3	11.0	11.4	11.5	11.0
11/12/1985	12.6	12.9	12.5	12.6	8.2	11.6	13.4	12.8
11/18/1985	13.8	12.0	12.1	11.0	12.0	12.4	11.8	11.2
11/25/1985	13.8	14.0	16.8	14.8	15.7	13.8	14.4	14.7
12/2/1985	9.5	9.8		9.6	11.0		9.2	11.8
1/9/1986	14.5	15.0	14.6	15.1	14.4	14.6	14.0	
1/30/1986	12.1	12.0	13.5	8.6	11.4	11.0		13.9
4/1/1986	8.2	7.2	7.7	7.1	8.5	9.1	9.6	9.2
4/7/1986	14.0	12.2	12.5	12.0	12.3	12.2	12.0	4.5
4/14/1986	9.8	10.6	10.0	10.6	8.9	10.5	12.0	9.7
4/21/1986	13.9	11.5	11.0	10.5	9.6	10.0	10.7	8.5
4/28/1986	9.6	10.2	9.2	9.0	7.8	8.8	8.8	6.1
5/5/1986	13.6	12.2	10.1	8.9	9.2	10.3	9.8	6.3
5/12/1986	7.5	8.6	7.8	7.8	7.8	8.5	7.1	3.2
5/19/1986	10.6	10.1	9.6	8.0	8.7	9.3	8.7	5.4
5/28/1986	18.5	10.2	9.0	5.2	8.4	9.0	8.2	3.1
6/2/1986	15.1	10.4	9.1	8.3	8.7	6.8	4.3	4.1
6/9/1986	15.0	13.0	10.0	10.2	10.5	7.8	6.5	4.6
6/16/1986	13.0	8.9	8.2	8.9	7.4	9.1	8.0	3.8
6/23/1986	6.5	9.4	7.8	7.4	3.8	5.2	3.4	3.1
7/2/1986	13.4	11.5	8.0	5.5	8.0	7.3	5.0	2.4
7/7/1986	9.4	4.4	6.4	6.0	3.7	4.4	1.3	4.3
7/14/1986	8.0	10.4	9.1	10.1	8.4	9.5	8.1	6.5
7/21/1986	11.2	11.8	8.4	6.8	5.4	5.2	4.9	3.5
7/28/1986	10.5	8.6	5.9	7.1	5.8	6.5	5.8	3.5

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
8/6/1986	6.6	6.4	3.0	6.6	4.5	6.2	5.4	4.6
8/11/1986	11.0	8.3	7.8	7.4	5.6	22.2	5.5	3.2
8/19/1986	13.2	12.2	6.9	6.1	6.0	4.2	4.6	5.4
8/25/1986	9.3	8.2	6.2	8.8	3.2	4.2	1.3	0.8
9/3/1986	10.0	10.2	6.8	10.2	5.0	7.8	7.2	2.2
9/8/1986	9.2	11.4	8.2	11.1	8.7	9.1	5.7	3.3
9/15/1986	8.5	8.0	8.1	6.7	8.3	8.4	9.7	9.2
9/22/1986	9.8	10.8	9.9	4.2	8.8	8.6	9.2	7.0
9/29/1986	8.2	7.7	8.2	7.2	9.0	8.3	8.3	7.4
10/6/1986	10.5	10.0	15.4	7.2	8.9	10.5	10.1	9.7
10/15/1986	11.2	11.6	11.3	6.0	9.0	11.2	11.2	9.2
10/20/1986	11.3	11.5	11.7	10.8	11.4	11.1	11.0	8.9
10/27/1986	11.3	11.4	11.5	10.0	10.8	10.9	10.2	6.9
11/3/1986	13.3	13.2	12.6	12.2	11.6	12.0	11.8	9.7
11/12/1986	13.0	14.2	13.4	12.8	13.0	13.3	13.2	11.1
11/17/1986	10.8	12.3	11.4	9.8	12.0	12.2	12.4	11.7
11/24/1986	14.3	15.4	15.6	16.0	14.8	13.6	13.4	12.4
12/1/1986	12.9	14.4	15.6	12.6	13.0	13.4	13.3	12.3
12/9/1986	13.0	14.2	13.5	13.6	12.9	13.5	13.7	12.2
3/26/1987	10.6	11.3	10.6	9.8	9.6	10.1	10.6	9.0
3/30/1987	13.5	14.0	13.0	12.2	11.4	11.6	11.4	10.2
4/6/1987	15.4	14.3	11.9	11.8	11.5	12.0	12.1	11.1
4/13/1987	14.0	12.7	10.8	8.8	9.9	11.1	10.1	8.3
4/20/1987	11.0	8.6	8.6	8.4	8.0	8.5	8.3	8.1
4/27/1987	12.4	10.9	11.0	11.0	10.3	10.5	10.6	10.4
5/4/1987	18.8	14.9	11.4	10.5	11.8	11.4	10.0	8.5
5/11/1987	12.5	8.0	8.0	7.0	7.8	7.8	6.6	7.4
5/18/1987	8.0	7.8	7.0	5.5	7.5	7.0	6.6	4.9
5/26/1987	11.8	10.8	9.7	9.0	9.6	9.6	9.2	4.6
6/1/1987	8.6	7.9	7.2	5.6	6.0	7.0	5.4	5.0
6/8/1987	8.4	7.3	5.9	6.0	7.7	4.8	3.2	5.6
6/16/1987	20.0	14.4	11.8	14.9	10.8	7.4	7.2	6.0
6/22/1987	9.8	6.3	5.7	0.2	3.4	6.7	7.4	4.8
6/29/1987	13.2	10.2	7.0	10.2	9.6	8.0	7.6	4.2
7/6/1987	8.0	6.9	6.2	2.0	3.3	6.2	6.4	2.8
7/13/1987	7.8	6.0	4.4	5.3	9.0	5.6	7.4	5.2
7/20/1987	12.4	10.8	6.7	10.1	4.7	6.3	5.8	5.2
7/29/1987	8.2	8.3	5.6	8.8	5.5	10.2	9.8	6.1

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
8/3/1987	10.4	9.2	6.4	8.5	8.8	8.8	8.3	6.2
8/10/1987	8.6	8.2	7.4	6.4	4.4	7.7	7.2	3.4
8/17/1987	8.2	8.0	7.3	5.8	6.4	7.0	5.8	4.6
8/24/1987	10.9	9.2	8.5	7.2	7.6	8.4	8.8	7.2
8/31/1987	13.9	14.0	8.9	8.2	7.7	8.4	8.2	5.8
9/9/1987	11.8	10.0	7.9	7.4	7.2	8.1	7.4	4.5
9/16/1987	9.8	9.3	9.1	9.7	8.0	9.6	9.2	5.1
9/22/1987	10.8	9.4	9.0	8.0	8.8	9.0	9.2	7.9
9/28/1987	12.9	10.2	8.4	8.1	8.2	8.6	8.2	7.6
10/5/1987	11.8	11.2	10.0	10.2	10.4	10.5	10.2	6.0
10/13/1987	16.4	13.6	11.2	11.6	12.1	10.6	10.2	6.2
10/19/1987	12.3	9.6	8.0	8.1	7.9	8.6	8.7	6.0
10/26/1987	18.1	16.8	13.6	11.1	10.8	10.7	10.8	7.8
11/2/1987	9.3	9.0	8.5	8.5	9.4	10.4	9.9	8.4
11/9/1987	13.8	12.0	11.3	8.6	9.4	9.8	9.6	8.5
11/16/1987	12.1	11.4	10.4	9.4	11.1	11.2	11.4	9.0
11/23/1987	12.2	12.4	11.6	11.4	12.0	12.4	12.2	11.8
12/2/1987	11.8	11.4	11.3	11.0	11.2	10.8	11.0	9.7
12/9/1987	11.5	12.0	12.0	11.7	11.8	12.4	12.4	11.7
12/14/1987	12.8	13.0	12.5	8.5	12.5	12.6	12.4	12.6
4/28/1988	13.0	11.5	10.8	8.2	9.8	10.4	10.6	8.7
5/2/1988	13.5	12.1	9.9	9.0	9.0	9.8	10.1	10.2
5/16/1988	12.5	10.0	9.5	7.6	10.6	10.3	10.7	8.5
5/31/1988	12.0	6.8	5.0	6.8	7.2	5.4	7.4	7.3
6/13/1988	8.8	5.7	6.0	11.4	6.8	9.3	9.1	7.7
6/27/1988	9.8	6.3	7.7	10.3	6.8	10.1	10.0	11.2
7/11/1988	9.6	5.1	5.8	8.0	5.8	9.5	8.9	7.4
7/25/1988	12.2	8.6	4.9	5.8	3.7	8.3	7.4	5.4
8/8/1988	7.6	6.2	6.6	0.2	7.6	9.2	8.8	7.9
8/22/1988	10.4	8.1	5.8	11.2	8.0	9.4	9.2	8.2
9/6/1988	12.2	10.0	8.4	9.0	6.6	9.7	9.8	6.4
9/19/1988	7.6	6.3	6.1	6.0	7.8	9.4	9.5	5.4
10/3/1988	9.9	9.1	9.1	7.0	8.0	9.9	9.4	5.9
10/18/1988	12.2	10.0	9.0	6.0	8.4	9.1	8.4	6.3
10/31/1988	15.1	14.0	13.7	13.6	13.1	11.9	11.9	10.0
11/15/1988	12.3	12.4	11.4	11.6	12.0	12.0	12.2	9.9
4/18/1989	11.3	10.4	9.8	9.4	9.7	10.4	9.7	9.1
5/8/1989	12.4	11.0	10.0	9.2	10.6	12.0	11.8	10.7



MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
5/22/1989	15.3	9.6	8.6	7.3	8.4	10.8	10.4	8.6
6/20/1989	13.8	9.4	8.8	10.3	9.5	10.1	9.1	8.4
7/31/1989	10.8	8.9	8.4	8.6	7.6	7.7	7.5	4.7
8/21/1989	11.0	9.5	8.2	10.3	6.1	7.9	7.2	5.2
9/5/1989	10.8	9.3	8.6	8.1	8.2	8.5	8.1	7.7
9/18/1989	12.5		9.2	9.0	8.6	10.4	10.1	8.1
10/12/1989	14.6	11.4	10.1	11.8	11.0	10.9	10.7	8.4
10/30/1989	15.6	9.6	9.2	9.2	10.2	11.8	11.1	10.5
11/28/1989	14.1	13.4	13.2	13.5	13.3	13.4	13.3	10.8
12/5/1989	13.2	13.1	14.2	11.4	14.0	13.4	13.4	10.6
4/9/1990	16.3	15.3	13.4	13.3	13.4	12.8	12.9	9.2
6/18/1990	10.7	7.9	7.7	7.4	6.6	10.0	9.5	6.4
7/5/1990	10.9	10.4	7.9	9.7	6.1	9.5	8.7	6.3
7/17/1990	10.3	10.4	7.1	9.9	8.0	9.1	8.7	5.9
8/1/1990	11.9	9.7	7.1	9.7	10.9	9.0	8.5	6.8
8/20/1990	8.5	7.3	7.6	6.0	7.7	7.4	7.7	4.1
9/5/1990	16.8	13.4	12.2	12.8	12.3	11.6	12.2	2.5
9/20/1990	11.2	9.1	9.1	8.8	8.2	9.0	8.5	6.0
10/15/1990	14.8	11.9	11.3	10.7	10.3	11.1	10.8	7.4
10/29/1990	16.8	13.4	12.2	12.8	12.3	11.6	12.2	6.5
4/1/1991	12.5	11.7	11.7	11.2	11.6	11.9	12.0	11.5
4/22/1991	12.3	11.3	10.8	10.6	10.3	10.5	10.3	9.9
5/7/1991	13.4	12.7	11.3	11.1	10.9	10.5	10.4	8.3
5/28/1991	9.3	8.0	7.3	7.2	6.9	6.2	6.5	4.1
6/19/1991	8.5	7.5	7.8	7.0	7.2	8.1	7.8	7.1
7/1/1991	8.2	7.6	7.3	7.6	7.3	9.2	9.1	6.3
7/18/1991	7.6	6.5	7.8	3.3	5.9	7.9	8.1	5.1
7/29/1991	8.7	7.6	6.7	6.3	7.2	7.6	7.5	6.1
8/12/1991	11.7	10.2	8.8	11.5	9.1	7.7	6.9	5.9
8/26/1991	11.0	7.7	5.7	3.2	7.2	9.0	8.4	6.8
9/16/1991	9.2	9.0		9.5	8.9	8.8	8.5	7.0
10/1/1991	11.8	9.8		10.0	9.2	10.6	10.5	10.4
10/21/1991	12.9	11.5		11.6	11.0	11.3	11.7	10.4
11/12/1991	14.7	14.4		14.6	14.3	13.9	13.4	11.8
4/7/1992	14.0	14.0	12.0	12.0	12.0	12.0	12.0	11.4
4/20/1992	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.1
5/4/1992	12.0	11.0	9.7	9.6	10.0	10.0	10.0	9.5
5/18/1992	14.8	9.6	8.8	8.9	9.0	11.0	10.0	8.4

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
6/11/1992	14.0	11.0	7.2	13.0	8.2	10.0	9.3	4.6
6/29/1992	13.0	11.0	6.2	6.2	7.5	10.0	9.7	7.8
7/13/1992	7.7	7.7	6.0	5.8	7.0	8.5	7.7	5.1
8/3/1992	12.0	9.6	7.2	9.7	7.8	8.0	8.4	7.2
8/17/1992	14.0	10.0	7.6	11.0	8.6	8.7	8.3	3.7
8/27/1992	9.8	10.0	7.0	0.8	6.4	8.4	7.5	2.8
9/8/1992	10.0	9.1	7.3	5.8	7.6	8.6	8.1	8.2
9/22/1992	11.0	10.0	9.2	8.4	9.7	8.9	8.2	5.6
10/6/1992	17.0	11.0	9.9	11.0	9.8	10.0	11.0	8.1
10/19/1992	16.0	13.0	11.0	11.0	11.0	11.0	9.6	4.3
4/22/1993	12.0	11.0	11.0	13.0	14.0	14.0	12.0	11.7
5/3/1993	10.0	9.2	9.4	9.3	9.4	8.7	9.1	8.9
5/17/1993	14.0	12.0	10.0	10.0	10.0	8.5	9.6	8.0
6/1/1993	12.0	10.0	10.0	9.9	10.0	9.7	9.1	6.3
6/14/1993	5.5	6.8	5.9	6.6	7.8	6.9	7.3	3.4
7/1/1993	6.2	4.6	4.8	5.7	4.9	4.9	4.1	3.9
7/13/1993	9.3	7.7	7.9	7.6	8.4	8.5	8.2	7.1
7/26/1993	8.4	7.3	7.3	6.5	8.0	8.0	6.4	5.0
8/9/1993	8.5	7.1	7.9	8.5	8.2	8.0	9.1	
8/23/1993	10.0	7.8	7.4	8.0	7.9	7.4		2.7
9/8/1993	12.0	9.7	9.1	9.4	9.0	8.0	9.1	5.5
9/20/1993	10.0	9.6	9.9	9.7	10.0	9.5	9.2	6.7
10/4/1993	11.0	11.0	10.0	10.0	10.0	9.0	11.0	8.4
10/19/1993	13.0	11.0	10.0	10.0	10.0	11.0	11.0	6.9
11/1/1993	18.0	15.0	13.0	13.0	13.0	12.0	13.0	9.6
11/15/1993	16.0	13.0	11.0	11.0	11.0	11.0	11.0	8.9
4/11/1994	15.0	14.0	11.0	11.0	11.0	10.0	12.0	
5/2/1994	15.0	14.0	12.0	11.0	12.0	11.0	12.0	0.0
6/6/1994	11.0	7.3	5.8	2.8	7.2	3.0	2.1	3.6
6/21/1994	8.6	7.8	5.0	4.6	6.2	4.4	2.8	5.5
7/6/1994	11.0	12.0	8.4	7.3	9.4	6.0	6.0	
7/19/1994	9.2	8.1	7.6	7.2	8.6	7.4	6.7	5.4
8/1/1994	12.0	9.1	6.8	6.8	8.2	6.6	3.6	4.9
8/15/1994	14.0	12.0	8.7	11.0	11.0	8.3	8.3	4.4
8/29/1994	11.0	8.4	6.1	5.2	6.8	6.8	1.4	4.3
9/12/1994	12.0	8.7	5.6	6.2	6.9	8.2	4.5	5.3
9/27/1994	10.0	7.7	8.3	6.9	8.7	7.4	6.6	5.1
10/11/1994	13.0	10.0	9.9	9.4	9.8	10.0	6.2	5.0

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
10/24/1994	16.0	11.0	10.0	10.0	10.0	11.0	8.2	
11/8/1994	13.0	11.0	11.0	11.0	11.0	11.0	11.0	7.9
4/4/1995	15.7	13.9	11.9	11.5	11.7	11.2	11.1	10.8
5/2/1995	14.7	12.2	11.2	10.6	10.8	10.3	10.3	9.9
6/15/1995	13.6	10.0	6.3	13.0	8.0	5.3	5.6	5.2
6/19/1995	11.8	5.8	3.1	7.8	5.4	4.2	3.7	4.7
7/12/1995	14.2	8.1	6.6	9.9	6.4	4.4	3.1	5.5
7/24/1995	13.2	8.5	5.1	8.2	7.4	6.7	3.2	5.8
8/4/1995	11.6	9.2	4.7	3.9	5.4	6.2	2.5	4.1
8/28/1995	8.8	7.4	7.0	6.9		7.7	6.7	6.1
9/19/1995	10.4	9.8	9.0	12.0	8.9	9.8	4.6	2.9
10/31/1995	13.2	12.8	12.1	12.2	11.7	11.6	11.7	9.9
3/25/1996	15.0	14.4	13.9	13.8	13.4	13.6	13.7	13.0
4/22/1996	11.5	10.0	10.2	10.1	10.0	10.2	10.2	9.2
5/13/1996	12.9	10.9	11.0	10.8	10.9	11.2	10.7	10.0
5/28/1996	16.1	12.8	10.1	11.5	11.5	9.9	10.9	7.9
6/11/1996	9.7	9.0	9.0	9.0	10.0	9.4	9.4	8.0
6/18/1996	9.3	7.6	7.8	8.4	7.6	9.1	8.8	8.2
7/11/1996	13.0	9.6	8.2	8.4	9.0	7.7	8.5	5.9
7/23/1996	9.1	8.1	8.3	7.8	8.7	8.4	7.9	6.3
8/6/1996	9.7	7.8	6.9	7.0	7.8	7.1	8.7	5.3
8/29/1996	11.7	9.3	7.7	8.9	7.7	8.8	8.6	7.1
9/10/1996	11.0	9.5	7.8	8.0	7.5	5.8	3.5	3.1
9/30/1996	12.8	11.1	9.9	10.1	9.6	9.4	10.6	6.9
10/15/1996	12.9	10.5	10.3	10.0	9.5	10.8	10.0	7.3
10/29/1996	11.7	10.3	10.2	10.4	10.6	9.9	13.6	7.1
11/19/1996	16.8	14.2	13.4	15.2	14.1	14.0	14.4	11.4
3/25/1997	14.6	14.1	13.9	13.9	13.9	13.9	14.1	13.0
4/22/1997	15.1	12.7	11.6	10.7	11.3	10.6	11.5	10.5
5/5/1997	11.0	9.3	10.0	9.8	9.4	9.6	9.7	8.4
5/28/1997	11.4	10.1	9.4	10.8	9.6	8.6	11.1	6.3
6/11/1997	13.5	9.6	6.7	9.3	8.6	6.6	8.2	7.1
6/23/1997	7.6	6.7	6.9	6.6	7.9	7.7	7.7	6.5
7/8/1997	8.2	7.6	7.8	7.0		7.7	8.1	6.2
7/28/1997	8.4	7.3	7.5	5.9	7.4	7.2	6.3	4.2
8/12/1997	7.6	7.6	7.0	7.3	8.0	8.6	5.5	3.5
8/27/1997	10.9	9.5	8.1	8.4		9.7	9.1	6.3
9/22/1997			8.4	8.2		8.3	5.7	4.0

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
9/30/1997	13.6	11.4	8.6	8.3	10.2	8.9	6.9	5.7
10/13/1997	9.9	8.2	8.4	9.3		8.8	7.6	7.0
11/4/1997	16.6	11.9	10.9	10.2		12.0	7.6	9.6
3/16/1998	14.2	13.3	12.6	12.8	12.6	12.8	13.6	14.1
4/14/1998	11.3	10.0	10.3	9.8	10.0	10.9	9.7	9.4
5/12/1998	7.1	6.3	5.6	5.6	5.8	5.6	5.5	7.6
5/26/1998	0.0	0.0	6.7	11.2	9.0	10.1	10.1	4.1
6/9/1998	9.1	9.2	7.9	16.4	7.1	9.3	10.1	5.8
7/1/1998	9.6	7.2	6.7	5.8	7.0	5.8	6.3	4.3
7/13/1998	14.2	9.4	6.5	8.1	6.7	7.0	6.2	3.7
8/5/1998	7.9	8.5	5.1	3.7	6.1	6.1	5.2	2.6
8/7/1998	8.6	7.6	7.7	7.3		7.2	6.9	7.0
8/18/1998	9.4	7.7	6.7	8.6		8.0	5.1	3.1
9/9/1998	13.3	7.9	7.2	7.0	6.9	7.7	5.9	5.3
9/22/1998	12.9	8.9	7.6	11.3		9.4	7.4	3.8
10/15/1998	10.6	9.4	9.6	9.7		10.8	9.8	7.7
11/3/1998	13.7	10.7	10.8	10.7		10.8	7.9	5.7
11/12/1998	13.6	12.7	13.4	12.8		12.8	11.7	7.8
3/22/1999	16.2	13.9	13.6	13.0	12.8	12.6	12.8	11.8
4/12/1999	12.6	11.3	11.3	11.2			11.0	9.3
5/4/1999	12.5	10.4	8.3	8.0	8.6	8.4	9.0	9.8
5/18/1999	9.0	8.1	8.4	8.6		8.4	8.1	6.6
6/7/1999	11.3	8.3	7.4	6.5	7.1		5.8	4.4
6/14/1999	8.2	7.1	7.3	7.4	7.5	7.5	7.2	6.4
7/13/1999	10.3	7.9	6.8	7.3	7.4	7.8	7.7	5.3
7/22/1999	8.1	6.9	7.1	6.9	7.5	7.5	7.4	6.7
8/10/1999	11.4	8.8	7.7	7.1	8.1	7.7	7.6	4.6
9/1/1999	15.6	12.7	7.6	8.2	7.3	8.7	7.2	3.8
9/13/1999		8.9	7.7	7.9	7.6	7.2	8.3	4.5
10/6/1999	11.7	10.6	9.9	10.3	10.1		10.5	7.2
10/26/1999	16.1	13.3	11.2	12.1	10.7	11.7	11.2	7.7
11/8/1999	17.7	13.2	11.4	11.3	11.2		10.6	6.8
3/28/2000	16.7	14.3	11.3	11.2	11.1	11.3	10.7	9.6
5/3/2000	15.3	10.8	9.0	8.9	8.6	8.0	10.6	8.9
5/18/2000	10.1	8.6	9.2	9.1	9.1	9.1	9.1	8.7
5/30/2000	9.3	9.1	9.2	8.9	9.3	9.2	9.0	8.3
6/1/2000	9.3	8.6		8.7		8.8		8.0
6/2/2000	9.4	7.8		8.1		8.6		7.7

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
6/7/2000	9.7	8.6		8.6		8.8		7.8
6/20/2000	10.9	7.5	7.4	8.8	8.0	7.2	10.1	6.5
7/11/2000	9.1	7.3	7.8	6.5	7.4	6.9	6.3	5.0
7/31/2000	9.8	6.4	7.5	6.9	7.8	6.8	7.2	2.9
8/17/2000	7.3	7.5	6.7	7.5	6.9	7.5	5.4	3.3
8/29/2000	12.1	7.9	6.9	6.7	6.9	7.9	8.4	4.2
9/12/2000	9.9	6.6	7.6	7.2	7.6	7.3	7.2	6.6
9/14/2000	10.8	8.7	8.0	7.8		7.6		
9/27/2000	11.0	10.0	9.7	9.5	9.6	9.1	9.1	8.4
10/1/2000	12.9	9.9	8.6	8.4	8.8	8.5	9.0	7.1
10/11/2000	13.3	12.4	10.8	10.7	10.8	10.3	11.0	8.3
10/26/2000	11.2	7.9	8.2	7.7	8.0	6.4	3.7	4.1
11/6/2000	14.6	11.5	10.3	10.2	10.3	9.5	9.7	7.1
11/21/2000	14.9	12.6	13.4	13.9	13.9	13.6	13.9	11.7
2/9/2001	13.2	12.0	13.1	12.9		12.6	13.7	0.0
3/21/2001	14.2	13.5	13.7	13.8	13.6	13.9	10.5	11.8
4/11/2001	10.7	10.3	10.6	10.6	10.5	10.6	9.3	9.4
4/24/2001	11.2	9.8	9.7	9.6	9.6	9.5	8.8	8.5
5/8/2001	11.6	9.8	9.3	8.8	9.8	9.2	8.2	6.7
5/15/2001	11.6	9.6	9.2	9.0	9.2	8.4	9.0	6.8
6/5/2001	11.3	10.1	9.5	9.9	9.5	9.2	6.9	6.3
6/13/2001	7.8	6.7	7.0	6.6	7.3	7.0	7.0	5.8
6/28/2001	10.6	6.9	6.7	6.5	7.1	6.6	8.1	6.1
7/18/2001	8.5	6.5	6.9	5.7	5.6	5.1	5.6	3.8
7/31/2001	10.7	7.9	6.2	4.0	6.5	7.6	7.3	4.0
8/15/2001	10.0	8.0	6.2	7.8	5.9	7.9	4.2	4.6
8/26/2001	9.0	7.3	6.7	6.1		6.6		0.0
8/28/2001	8.3	7.5	7.5	6.9	7.6	7.4	7.8	4.8
9/11/2001	9.8	8.7	8.4	7.7	8.1	8.0	7.4	6.7
10/17/2001	13.8	11.6	10.0	10.2	10.1	9.7	9.7	7.4
10/29/2001	13.6	12.4	11.7	11.5	11.8	11.6	11.4	10.8
11/14/2001	12.6	11.0	10.7	10.6	10.5	10.4	10.8	8.6
11/27/2001	12.4	11.5	11.0	10.8	10.7	10.6	10.9	9.4
3/25/2002	16.6	15.8	14.6	13.9		13.6	13.5	13.6
4/8/2002	14.7	13.0	11.7	12.0		11.2	11.5	10.9
4/9/2002	12.8	11.5	12.1	11.6		11.6		0.0
4/22/2002	13.9	12.2	12.5	10.5	10.4	10.1	9.9	8.3
5/7/2002	10.9	8.9	8.2	8.0	8.2	7.7	7.4	6.6

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
6/6/2002	10.8	9.1	9.2	8.8	9.5	8.6	8.9	7.5
6/20/2002	11.0	7.8	7.2	7.3	8.0	7.1	7.6	5.7
7/2/2002	11.2	6.4	6.0	6.1	5.8	4.8	6.8	8.0
7/8/2002	11.2	6.4	5.3	5.9	5.3	5.8	4.9	4.9
7/9/2002	8.1	5.4	5.4	4.3	4.4	3.9	4.9	4.7
7/23/2002	10.2	6.4	5.3	5.1	5.8	5.8	4.0	3.3
8/6/2002	12.4	7.4	7.3	4.8	5.5	5.9	4.3	4.0
8/13/2002	10.6	7.7	6.3	4.6	6.5	5.8	4.7	4.0
9/4/2002	9.9	8.8	7.1	6.2	7.2	6.2	6.5	4.8
9/30/2002	11.7	7.7	8.7	7.2	7.1	7.5	7.5	5.4
10/7/2002	11.2	9.6	9.6	8.1	9.2	8.0	8.1	6.6
10/23/2002	15.6	13.2	11.7	11.8	12.0	10.7	10.6	7.5
11/6/2002	14.6	11.6	11.5	11.4	11.6	11.2	11.3	9.4
11/20/2002	17.3	13.7	13.2	13.0	12.8	12.1	11.5	8.5
12/11/2002	16.8	14.5	15.1	14.8	14.2		14.7	8.2
3/25/2003	14.0	12.5	12.2	12.1	12.1	11.9	11.6	10.8
4/10/2003	17.6	16.1	13.3	12.9	12.5	11.8	13.4	11.7
4/24/2003	15.0	13.6	11.0	10.9	10.0	9.6	10.3	8.8
5/15/2003	10.5	9.5	9.6	9.1	9.7	9.6	9.3	8.5
5/29/2003	10.8	8.0	7.9	8.7	7.7	8.4	9.3	7.0
6/9/2003	12.1	8.9	8.5	7.3	8.3	7.3	6.8	5.3
6/18/2003	12.1	9.0	6.3	8.3	6.5	6.8	8.5	6.4
7/9/2003	10.0	7.0	6.7	4.9	5.5	4.6	3.4	3.9
7/21/2003	8.6	6.3	6.3	7.3	4.2	6.4	5.5	6.0
8/7/2003	9.7	10.4	6.7	9.8	6.5	5.8	8.3	4.6
8/27/2003	9.0	5.9	6.9	6.5	4.8	4.9	4.2	4.9
9/9/2003	10.2	4.6	6.9	7.8	5.2	7.6	6.0	6.7
9/23/2003	11.5	9.5	9.1	8.1	7.2	8.7	7.2	7.9
10/8/2003	13.2	7.0	10.2	11.4	8.5	10.4	9.3	8.4
10/23/2003	11.0	7.6	9.2	8.8	9.1	10.1	8.0	6.4
10/25/2003	13.4	8.9	9.3	9.5	9.0	10.2	9.1	6.0
11/3/2003	10.8	9.7	9.9	9.4		10.0	9.2	6.8
11/18/2003	11.0	9.3	10.5			10.6	11.1	10.3
12/8/2003	13.9	11.7	12.9		12.8	13.3	14.3	12.3
3/29/2004	11.5	10.3	10.4		10.4	10.2	9.9	9.6
4/13/2004	14.7	12.2	11.6		10.8	9.7	11.7	9.8
4/28/2004	13.4	11.6	13.1		10.7	9.8	9.8	9.5
5/12/2004	10.2	8.9	10.8		10.1	9.2	8.8	7.9

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
5/14/2004	9.0	7.8	8.4		9.0	8.3	8.0	6.9
5/18/2004	8.8	7.9	8.3			8.1		
5/22/2004	9.4	8.3	8.9	8.5	8.9	9.2	9.0	8.2
5/25/2004	11.2	9.9	14.8	9.6	8.2	9.8		9.4
6/7/2004	8.9	8.0	8.2	7.7	8.8	8.1	7.9	7.5
6/24/2004	9.3	8.5	8.7	8.0	8.1	8.5	8.3	7.3
7/7/2004	8.5	7.5	7.8	7.6	6.9	7.7	7.3	6.4
7/29/2004	10.3	6.3	6.5	7.2	6.8	6.6	6.8	4.8
8/11/2004	10.6	7.2	8.2	7.6	7.2	6.4	8.0	5.5
9/1/2004	8.9	7.5	7.6	8.8	7.8	7.0	9.5	6.7
9/16/2004	11.6	8.0	6.9	8.0	6.8	7.1	8.0	6.7
9/29/2004	12.3	9.5	8.6	9.5	8.3	9.9	8.6	8.1
10/18/2004	12.3	10.9	10.8	10.5	10.6	10.5	10.1	7.2
10/24/2004	10.0	8.9	9.0	8.8	9.2	7.7	8.0	6.2
11/8/2004	14.6	11.8	11.5	11.6	11.6	10.9	11.4	8.7
11/23/2004	13.4	12.4	11.3	11.4	11.4	11.1	12.0	8.5
12/6/2004	13.3	13.2	13.2	12.4	15.7	12.7	14.0	11.9
3/22/2005	17.1	14.7	14.6	14.5	14.5	14.0	14.2	13.5
4/12/2005	12.3	10.8	10.2	9.9	10.1	9.7	9.5	8.6
4/25/2005	15.5	13.5	10.9	10.9	10.5	10.0	12.3	8.7
5/9/2005	9.9	8.6	8.3	8.0	8.3	7.5	10.1	6.8
5/23/2005	8.9	7.8	7.7	7.3	7.6	7.1	7.4	6.6
6/8/2005	11.6	8.5	6.0	8.0	5.3	4.8	4.7	5.1
6/23/2005	15.1	7.5	6.0	9.2	5.1	6.4	7.0	7.0
7/6/2005	7.3	6.4	6.1	8.1	5.4	9.1	7.3	6.1
7/18/2005	10.0	7.5	4.9	8.6	4.8	7.7	4.5	3.8
8/4/2005	8.7	6.3	5.6	4.3	4.4	5.3	3.1	4.9
8/18/2005	6.3	4.9	8.3	7.1	5.0	8.1	7.7	7.8
8/30/2005	10.7	8.3	7.9	7.0	5.9	8.1	6.5	6.1
9/12/2005	9.2	7.1	6.7	8.0	5.2	6.4	4.5	4.2
9/26/2005	9.7	7.2	6.8	6.4	6.9	6.8	6.7	6.0
10/10/2005	12.2	8.8	10.0	10.6	8.3	8.7	7.4	7.2
10/24/2005	16.0	10.0	10.1	10.1	9.9	10.5	7.7	6.6
11/7/2005	11.5	9.3	9.8	9.4	9.9	9.1	8.4	6.4
11/17/2005	15.0	12.4	12.3	12.7	12.6	11.8	10.2	6.1
12/6/2005	14.0	13.4	13.6	13.8	13.7		13.2	10.3
3/13/2006	12.8	13.1	12.9	12.8	12.8	12.8	12.7	11.5
3/22/2006	14.7	14.5	14.2	14.4	14.2	13.9	12.6	15.2

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
DISSOLVED OXYGEN DATA (MG/L)

Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
4/3/2006	11.1	11.4	11.3	11.3				11.0
4/25/2006		9.3	9.2	10.8	9.1	9.0	9.5	
5/10/2006	8.9	7.9	9.2	8.5	7.9	9.3	7.1	9.6
5/22/2006	9.7	9.2	8.7	9.4	8.8	8.5	7.7	11.5
6/5/2006	8.2	7.4	7.7	7.6	6.9	8.7	7.8	9.4
6/19/2006	7.7	6.4	5.9	6.3	5.1	5.0	4.2	8.6
7/6/2006	7.4	6.6	7.5	6.0	7.0	6.7	6.9	13.0
7/18/2006	6.6	5.8	7.0	4.9	7.0	6.1	6.1	11.9
7/20/2006	5.3	5.8	5.1	6.3	5.1	5.5	4.5	7.2
8/2/2006	7.2	5.7	8.1	5.6	4.9	7.7	8.1	9.5
8/17/2006	7.8	6.9	10.2	5.8	7.4	5.4	5.4	10.9
8/29/2006	7.2	6.7	4.6	6.6	7.0	3.7	3.4	8.1
9/13/2006	7.8	7.5	8.0	7.7	7.1	6.9	6.6	8.1
10/17/2006	10.7	10.1	8.9	8.8	9.8	10.0	8.3	9.7
11/2/2006	13.2	12.5	12.7	12.4	12.1	12.5	8.0	15.2
11/15/2006	12.7	11.9	11.8	11.8	11.7	11.9	9.2	13.8
12/6/2006	14.1	14.1	14.2	14.1	14.1	14.1	12.6	14.0
3/20/2007	13.4	12.8	12.8	12.7	12.8	12.8	12.7	12.7
4/2/2007	11.8	11.0	11.1	11.0	11.0	10.9	10.8	10.2
4/3/2007	11.1	10.5	10.7	10.7	10.8	10.9	10.9	10.1
4/23/2007	12.0	10.4	9.0	8.2	8.9	8.6	8.6	8.7
5/8/2007	13.1	11.9	9.6	9.5	9.3	9.0	9.1	8.7
5/22/2007	14.8	9.6	8.7	8.8	8.1	7.7	10.9	8.8
6/5/2007	8.6	7.5	7.5	7.3	7.9	7.6	7.5	6.2
6/21/2007	11.2	8.0	6.5	9.9	6.2	6.7	6.6	7.0
7/2/2007	11.4	8.3	6.6	10.2	5.6	7.9	5.5	6.4
7/17/2007	8.9	6.6	7.6	7.5	6.2	8.6	8.0	8.7
7/24/2007	8.1	5.7	5.9	8.8	5.5	7.9	6.2	6.5
8/13/2007	10.0	8.6	6.6	9.0	6.2	6.8	7.3	5.1
8/20/2007	8.7	7.7	7.9	7.6	8.1	7.9	7.7	7.2
9/10/2007	8.6	7.3	7.6	8.0	7.5	7.0	8.8	7.1
9/24/2007	9.2	7.6	8.2	9.0	7.5	9.1	8.6	6.5
10/11/2007	11.9	8.4	9.1	8.1	8.4	8.5	8.0	7.8
10/24/2007	11.2	9.3	9.6	9.5	9.6	9.3	9.9	7.3
11/5/2007	16.0	12.7	11.2	11.4	10.9	11.0	11.2	9.1
11/19/2007	14.5	12.8	12.3	12.4	12.1	12.3	11.8	10.5
12/2/2007	14.2	13.7	13.3	13.0	13.4	13.9	14.6	10.5
1/9/2008	14.5	13.6	13.7	13.6	13.7	13.7	13.5	13.2



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Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
3/12/2008	14.7	14.4		14.0	14.2		14.0	13.7
4/8/2008	12.4	11.1	11.3	11.3	11.2	11.1	11.0	10.7
4/11/2008	12.3	11.6	11.7	11.6	11.9	11.8	11.8	10.9
4/22/2008	10.6	9.8	9.7	9.6	9.6	9.3	9.2	8.7
5/13/2008	12.7	11.8	10.2	10.3	10.0	9.6	9.7	9.2
5/21/2008	13.5	10.3	9.4	9.6	9.2	8.7	10.6	7.9
6/3/2008	10.4	7.8	7.7	7.6	7.2	6.6	9.0	5.4
6/8/2008	8.0	6.8	7.2	7.1	7.3	7.5	7.5	7.1
6/18/2008	9.0	7.7	7.8	7.8	8.0	8.1	8.0	7.4
6/30/2008	10.4	7.5	7.6	7.8	7.9	7.3	7.4	6.9
8/19/2008	9.5	7.3	7.2	8.2	6.9	7.3	7.4	6.0
9/9/2008	10.4	9.2	8.9	8.6	8.3	7.8	7.9	6.4
9/24/2008	10.1	8.1	7.9	8.6	7.9	7.8	7.7	6.7
10/6/2008	11.3	10.1	9.5	9.4	9.5	9.6	10.2	8.8
10/22/2008	12.6	10.3	10.2	10.2	10.4	10.2	9.3	7.6
11/4/2008	14.9	11.3	9.9	10.1	9.5	9.3	9.6	8.6
11/18/2008	16.2	13.9	13.7	13.8	13.5	13.2	13.7	10.4
11/25/2008	17.2	14.6	14.2	14.3	13.8	13.5	14.4	11.5
12/2/2008	15.6	14.5	14.7	14.4	14.2	14.5	13.5	11.9
2/10/2009	13.8	13.1	13.8	13.6	13.6		13.0	12.5
3/25/2009	12.9	12.3	12.4	12.3	12.1	12.1	11.9	11.1
4/13/2009	12.9	13.1	11.4	11.3	11.2	11.0	11.3	12.5
4/27/2009	10.3	9.5	9.8	9.7	9.8	10.0	9.7	10.1
5/14/2009	10.5	9.1	9.4	9.1	9.0	8.7	8.6	7.7
5/27/2009	9.4	8.6	8.7	8.5	8.4	8.2	10.3	7.7
6/8/2009	10.0	8.7	8.9	8.9	8.5	8.6	10.3	9.5
6/19/2009	10.3	7.6	7.5	7.0	7.6	7.4	7.4	7.1
7/9/2009	12.9	8.0	8.0	8.3	7.5	7.6	6.4	6.6
7/22/2009	7.7	6.1	7.2	7.2	6.8	8.1	7.3	6.6
8/4/2009	10.1	6.7	7.1	7.2	6.8	8.5	7.7	8.5
8/19/2009	11.0	8.0	7.4	7.8	7.3	9.8	7.8	8.3
8/26/2009	12.5		8.4	7.5	8.2	6.1	8.7	7.9
9/16/2009	5.9		7.1	7.1	7.0	8.8	6.8	5.8
9/29/2009	10.8	8.9	9.3	9.2	9.4	8.7	7.8	5.2
10/13/2009	13.5	12.5	11.6	11.9	11.5	11.7	11.1	8.9
10/27/2009	11.5	10.4	10.7	10.6	10.1	9.8	9.6	8.0
11/3/2009	12.9		11.8	11.8	11.8	11.4	11.1	8.9
11/17/2009	14.8	12.6	12.4	12.7	12.1	12.4	11.7	10.7

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)  
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Collection Date	Milwaukee River Monitoring Station Location and ID							
	Pioneer Rd (RI-01)	Brown Deer Rd (RI-02)	Silver Spring Dr (RI-03)	Pt. Washington Rd (RI-04)	North Ave Dam (RI-05)	Walnut St (RI-06)	Wells St (RI-07)	Water St (RI-08)
	Miles Upstream from Harbor Outlet							
			Estabrook Impoundment			Milwaukee Estuary		
	26.25	14.99	8.49	6.91	3.1	2.25	1.41	0.78
12/1/2009	14.4	13.2	12.5	12.6	12.6	12.5	12.4	12.3
3/8/2010	16.5	15.3	14.2	14.6	14.6			14.0
3/30/2010	14.9	14.3	12.0	12.1	11.7	11.4	12.0	12.8
4/13/2010	11.8	10.3	10.3	10.2	10.3	10.0	9.8	9.4
4/29/2010	10.9	9.9	10.0	10.0	10.1	10.0	9.8	9.3
5/12/2010	11.5	10.4	10.4	10.4	10.3	10.1	9.9	9.2
5/24/2010	11.4	9.0	8.2	8.3	8.0	7.2	7.4	8.2
6/8/2010	8.2	7.0	7.7	7.4	6.8	6.7	9.0	5.6
6/16/2010	10.1	8.3	8.3	7.9	8.0	7.6	7.4	6.5
6/24/2010	8.9	6.6	6.9	6.6	6.7	6.4	6.3	5.8
7/6/2010	9.8	5.4	6.7	6.9	6.3	6.4	7.0	7.8
7/9/2010	10.8	6.8	6.7	6.7		5.5		0.0
7/15/2010	8.1	6.7	7.2	7.0	7.1	7.2	7.2	6.7
7/23/2010	8.2	6.8	7.0	6.7		7.0		0.0
8/9/2010	8.8	6.8	7.3	6.6	7.2	7.0	7.4	6.0
8/25/2010	9.5	7.2	7.6	7.6	7.3	7.2	8.8	6.0
8/30/2010	9.8	8.2	7.2	7.3	6.7	8.0	7.6	6.6
9/20/2010	9.3	8.5	8.2	8.7	10.6	9.8	9.2	6.8
10/4/2010	12.2	9.6	10.0	9.9	9.9	11.1	8.9	7.6
10/20/2010	11.5	9.3	9.8	9.2	9.3	11.2	9.5	7.2
11/3/2010	12.7	11.6	11.7	11.7	11.7	11.7	12.5	9.4
11/15/2010	13.8	10.0	11.4	11.3	11.4	11.2	11.4	7.5
11/23/2010	15.0	12.1	11.8	11.8	11.2	10.8	12.0	9.0
12/7/2010	14.1	14.3	14.0	14.0	14.1		14.4	12.3