

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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	6.0	6.9	6.8	7.0	6.8	6.8	9.0	14.0
4/14/1981	8.0	8.0	8.6	9.0	8.7	8.8	9.5	10.0
4/20/1981	8.7	9.2	8.9	8.9	8.5	9.2	11.0	16.2
4/28/1981	13.0	14.0	11.2	11.2	12.0	12.1	12.4	16.0
5/5/1981	17.5	15.2	16.8	16.1	16.5	16.5	16.5	18.5
5/11/1981	10.2	14.8	10.4	10.2	8.3	8.9	9.9	15.3
5/18/1981	11.0	11.4	11.0	11.0	11.9	12.6	13.8	15.2
5/27/1981	16.8	17.0	18.0	19.2	20.8	19.0	18.7	19.8
6/3/1981	18.2	18.7	19.6	20.3	19.5	21.2	21.0	20.5
6/11/1981	19.9	18.9	23.0	22.0	21.0	21.5	20.3	23.6
6/17/1981	20.1	20.2	20.2	20.6	21.1	21.1	22.2	23.5
6/23/1981	17.7	17.9	18.4	18.7	18.8	19.1	18.9	19.3
6/29/1981	22.0	21.7	22.5	22.2	22.0	21.7	22.0	21.1
7/9/1981	24.5	25.5	27.0	28.0	27.9	25.5	26.0	23.0
7/15/1981	21.8	22.0	19.0	22.5	24.0	23.0	24.0	25.0
7/20/1981	23.1	23.2	23.2	24.2	23.8	23.5	24.0	24.8
7/27/1981	19.5	20.5	20.5	20.8	21.0	22.0	21.7	24.8
8/5/1981	24.0	23.3	24.0	25.0	24.7	24.9	24.7	26.0
8/11/1981	22.0	22.0	21.3	23.0	23.0	23.0	23.9	25.0
8/17/1981	17.5	17.5	20.0	20.5	20.5	21.5	22.0	21.0
8/27/1981	21.0	22.0	22.0	22.0	22.8	22.5	23.0	25.5
8/31/1981	21.0	21.0	21.0	21.0	21.0	21.5	22.5	23.0
9/9/1981	16.0	16.7	16.5	16.7	16.5	18.0	18.1	19.0
9/16/1981	16.5	17.2	17.0	17.9	17.3	19.1	18.4	22.9
9/21/1981	14.5	14.5	14.5	14.3	15.0	14.9	16.2	19.0
9/29/1981	11.5	11.5	11.5	11.5	12.5	13.0	12.5	13.5
10/7/1981	5.6	7.0	6.9	7.5	7.3	7.2	8.0	12.0
10/12/1981	10.9	11.0	10.5	10.8	12.0	11.4	11.6	13.0
10/21/1981	7.4	7.3	7.3	7.5	7.8	7.7	7.8	8.2
10/26/1981	3.2	3.8	3.2	3.2	4.0	3.5	4.0	5.0
11/2/1981	9.4	9.7	9.7	9.2	9.8	9.3	10.0	12.4
11/9/1981	4.5	5.0	4.5	4.5	5.6	6.5	7.5	14.0
11/18/1981	4.1	4.0	3.7	4.0	4.1	4.6	5.2	8.1
11/23/1981	-2.0	-1.5	-2.1	-1.9	1.1	-1.0	0.5	6.8
12/1/1981	0.0	-1.1	-1.1	-1.0	0.0	-1.0	-1.0	0.0
12/8/1981	0.0	0.0	0.0	0.0	0.0	1.0	1.5	3.0
12/14/1981	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.8
3/22/1982	1.0	0.5	0.0	0.0	1.0	0.0	0.0	1.1

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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	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3/30/1982	4.2	4.0	4.0	4.0	4.2	4.0	4.0	5.0
4/5/1982	3.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5
4/14/1982	5.9	6.1	6.2	6.3	6.1	6.1	6.0	6.0
4/19/1982	11.0	10.8	10.9	10.8	11.0	10.3	10.3	10.9
4/26/1982	11.0	11.0	12.0	12.0	12.0	12.5	14.0	15.0
5/4/1982	14.5	15.0	13.0	13.5	15.0	15.0	15.0	16.5
5/10/1982	16.2	16.5	15.4	16.2	16.5	17.0	17.7	19.7
5/19/1982	20.5	21.0	19.8	21.5	21.0	20.5	20.5	19.8
5/24/1982	11.0	11.0	11.5	12.0	11.5	12.0	12.0	12.0
6/1/1982	15.0	15.0	15.0	16.0	16.0	16.0	17.0	18.0
6/7/1982	14.0	15.0	15.0	16.0	15.0	16.0	15.5	16.0
6/14/1982	17.0	17.2	18.4	19.0	19.0	19.1	18.2	17.2
6/21/1982	16.7	16.4	16.4	18.2	17.1	18.2	17.9	18.2
6/28/1982	15.5	15.5	16.0	17.5	17.5	16.5	16.0	17.0
7/6/1982	21.0	21.0	23.0	21.0	21.0	20.0	20.0	21.0
7/12/1982	23.5	23.0	23.0	23.0	23.5	23.0	22.0	22.5
7/20/1982	24.5	25.0	24.0		25.0	25.5	25.0	24.0
7/26/1982	26.0	27.0	27.5	27.0	26.5	26.0	26.5	25.0
8/2/1982	23.0	24.0	23.0	24.0	23.0	24.0	25.0	23.0
8/9/1982	23.0	24.0	23.0	25.0	24.0	23.0	27.0	27.0
8/16/1982	21.3	21.2	22.8	22.6	22.0	22.3	23.0	25.2
8/23/1982	20.3	20.8	21.5	21.8	22.5	22.5	23.0	24.0
8/30/1982	17.5	18.0	17.5	18.0	19.5	19.0	20.0	20.5
9/7/1982	19.0	19.0	19.5	20.0	20.0	20.5	21.0	22.0
9/13/1982	23.0	23.0	23.0	24.0	23.0	23.0	21.0	23.0
9/20/1982	13.0	13.0	14.0	15.0	15.0	16.0	16.0	19.0
9/27/1982	13.5	14.0	14.0	14.0	15.0	15.0	16.5	18.0
10/4/1982	15.0	15.0	16.0	16.0	17.0	17.0	17.0	18.5
10/11/1982	12.0	13.0	13.5	14.0	14.0	14.5	16.0	17.0
10/18/1982	10.0	10.0	9.0	11.0	11.0	11.0	12.0	15.0
10/25/1982	7.0	7.0	7.0	7.0	7.0	8.0	8.0	13.0
11/1/1982	11.0	10.0	9.0	10.0	10.0	10.0	10.0	13.0
11/8/1982	6.0	6.0	6.0	6.0	6.0	6.0	5.5	8.0
11/10/1982	6.6	6.2	6.3	6.3	7.1	6.7	7.3	9.4
11/10/1982	6.0	16.8	6.3	7.3	6.7	7.0	6.6	9.4
11/16/1982	1.2	1.3	1.2	1.2	1.6	1.2	1.5	3.2
11/22/1982	6.0	6.0	6.1	6.0	6.5	6.3	7.0	8.3

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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	2.0	2.0	2.0	2.0	3.0	10.0	10.0	4.0
12/6/1982	5.0	6.0	5.0	5.0	6.0	6.0	6.0	8.0
12/13/1982	0.0	0.0	0.0	0.0	0.0		0.5	3.0
1/3/1983	1.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0
1/10/1983	2.0	1.0	2.0	1.0	1.0	1.0	1.0	5.0
1/31/1983	0.8	0.9	0.9	0.9	0.1	0.1	1.0	5.2
2/7/1983	1.0	0.5	0.5	1.0	1.0	1.0	1.0	1.0
2/14/1983	0.5	1.0	0.5	1.0	0.0		1.0	2.0
2/22/1983	1.0	0.2	0.2	0.1	0.5	0.1	0.1	0.2
2/28/1983	1.0	1.5	1.2	1.8	1.0	1.0	1.0	2.0
3/7/1983	8.5	8.1	8.5	8.5	8.5	8.0	8.1	10.0
3/14/1983	4.0	3.5	3.5	4.0	3.5	3.7	3.7	7.5
3/22/1983	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
3/28/1983	1.0	1.0	1.0	1.0	2.0	2.0	2.0	3.0
4/11/1983	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4/20/1983	4.0	4.0	4.2	4.0	4.0	3.0	4.0	7.0
4/25/1983	7.0	7.0	8.0	8.0	9.0	9.0	10.0	12.0
5/2/1983	9.0	9.0	9.0	9.0	9.0	10.0	10.0	12.0
5/9/1983	7.5	8.5	8.0	7.2	10.0	10.2	10.0	11.4
5/16/1983	11.0	11.0	11.0	11.0	11.5	10.0	10.0	7.0
5/23/1983	12.5	13.0	13.1	13.0	13.5	13.0	13.6	15.8
5/31/1983	12.0	13.0	13.1	13.2	13.7	13.8	14.0	17.5
6/6/1983	16.1	16.5	15.8	16.0	16.9	17.0	16.1	17.5
6/13/1983	21.0	21.9	22.0	23.0	23.0	23.0	22.5	20.0
6/20/1983	20.2	20.6	21.0	22.5	21.9	22.3	21.3	19.5
6/27/1983	24.0	25.0	26.0	26.0	25.9	26.1	24.2	22.2
7/5/1983	21.8	22.1	22.3	23.0	22.8	23.5	23.2	23.1
7/11/1983	26.5	25.5	25.5	25.2	25.2	24.7	23.9	20.7
7/18/1983	28.2	28.2	28.0	27.2	27.2	26.5	23.8	20.0
7/25/1983	26.7	26.5	28.5	25.8	26.1	26.8	26.2	24.5
8/1/1983	24.8	25.0	27.1	26.8	27.6	27.5	26.5	26.1
8/8/1983	28.0	27.3	26.0	27.0	27.0	27.0	26.2	28.0
8/16/1983	22.6	24.2	26.0	25.5	24.0	25.0	25.0	25.0
8/22/1983	23.0	24.5	24.1	25.3	24.0	26.0	26.1	25.0
8/29/1983	23.0	23.5	23.8	25.0	24.2	24.8	24.5	27.0
9/6/1983	21.5	21.5	20.5	21.5	21.5	23.0	23.5	24.5
9/19/1983	17.1	17.6	17.3	19.0	18.2	18.5	18.0	20.7
9/26/1983						13.0	12.5	19.0

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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
10/3/1983	19.6	19.5	19.0	19.0	19.2	19.0	19.1	21.0
10/10/1983	11.5	11.5	12.0	13.2	13.2	13.8	14.8	19.5
10/17/1983	11.5	13.0	12.5	13.0	12.0	11.0	11.5	14.0
10/25/1983	9.1	9.1	8.9	9.2	9.1	9.4	11.0	17.5
10/31/1983	6.5	6.5	7.0	8.0	8.2	8.8	13.5	16.8
11/7/1983	8.4	7.9	8.0	7.9	8.0	8.1	11.0	13.0
11/14/1983	4.5	4.5	4.0	5.2	4.3	4.0	8.9	12.5
11/21/1983	5.9	6.0	5.9	5.9	6.0	6.2	7.0	10.2
11/30/1983	0.0	0.0	0.0	0.0	0.5	0.5	1.5	1.0
12/5/1983	1.0	1.0	0.5	0.9	0.6	0.5	0.8	2.5
12/12/1983	0.9	1.0	1.0	1.0	1.0	0.8	1.0	4.3
1/3/1984	0.2	0.2	0.2	0.2	0.2	-0.5	-0.2	3.6
1/9/1984	-1.0	-0.2	-0.2	-0.5	0.0		0.5	4.0
1/16/1984	0.1	0.0	0.3	0.3	0.5			0.5
1/23/1984	0.2	0.2	0.3	0.1	0.2		0.1	2.7
1/30/1984	0.2	0.2	0.2	0.5	0.3	0.5	0.0	2.7
2/6/1984	0.0	0.2	0.4	0.4	0.4	0.0	0.0	0.0
2/13/1984	0.8	0.9	0.5	2.2	0.5	0.9	0.5	2.2
2/21/1984	1.2	1.0	0.9	0.9	0.8	0.4	0.3	0.3
2/27/1984	0.8	1.2	1.8	1.8	0.8	1.6	2.0	2.2
3/5/1984	1.5	1.5	1.0	1.1	0.7	1.0	0.9	3.8
3/12/1984	0.5	0.2	0.5	0.5	0.1		0.8	4.2
3/19/1984	1.0				0.4			1.9
3/21/1984	1.2	0.9	1.1	1.0	1.1	1.3	1.2	2.4
3/26/1984	4.5	4.2	4.2	4.3	4.2	4.5	5.3	6.9
4/2/1984	8.5	8.5	8.5	4.0	7.0	8.0	8.7	9.8
4/9/1984	7.5	7.5	7.1	7.1	7.0	7.8	7.5	9.0
4/16/1984	6.9	7.1	7.1	7.2	7.0	7.2	7.5	9.0
4/23/1984	5.0	5.2	5.7	5.4	5.6	5.8	5.7	6.1
5/1/1984	7.0	8.0	8.0	8.5	8.5	8.0	8.5	9.9
5/7/1984	14.6	14.1	14.1	14.2	13.2	12.9	13.5	14.1
5/14/1984	12.8	13.4	13.2	13.5	12.5	13.0	13.8	14.8
5/21/1984	16.0	16.0	16.0	16.0	18.0	18.8	19.0	18.9
5/29/1984	10.1	11.0	11.0	11.0	12.0	11.0	11.0	11.3
6/4/1984	20.2	21.2	19.2	19.7	20.8	21.0	19.6	14.0
6/11/1984	19.0	19.2	19.2	19.3	19.6	19.9	20.8	21.7
6/18/1984	20.3	20.5	20.5	20.5	20.5	20.5	20.5	21.0
6/25/1984	20.0	20.0	20.0	20.0	20.0	19.9	20.0	20.5

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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
7/2/1984	23.8	24.0	21.1	23.0	21.9	22.0	22.5	22.0
7/9/1984	20.5	20.0	19.0	20.0	20.0	20.5	20.8	21.4
7/17/1984	22.9	23.7	23.2	23.2	24.2	24.5	24.3	24.3
7/23/1984	28.3	28.1	26.3	26.9	26.8	25.5	24.6	21.9
8/1/1984	24.5	25.0	23.2	24.5	24.0	24.0	24.0	23.8
8/7/1984	27.0	27.5	27.0	27.2	23.0		22.0	24.0
8/20/1984	21.2	21.7	22.8	22.8	23.5	23.7	24.0	25.3
8/27/1984	21.7	21.3	21.4	20.2	21.0	21.2	21.9	24.0
9/4/1984	18.4	18.8	18.3	20.2	19.6	20.5	20.5	22.4
9/24/1984	18.7	19.2	19.6	19.8	19.4	19.9	20.0	19.8
10/1/1984	12.1	11.5	11.1	11.5	12.0	12.5	15.0	16.5
10/8/1984	17.0	15.2	15.2	15.2	15.2	15.1	15.0	17.1
10/17/1984	13.0	13.5	13.1	13.5	14.0	14.0	15.0	17.8
10/22/1984	9.2	9.1	9.1	9.1	9.3	9.2	9.3	9.8
11/1/1984	10.0	9.0	10.0	11.0	11.0	11.0	11.0	12.0
11/6/1984	3.5	3.8	4.5	4.0	4.0	3.5	4.1	5.8
11/14/1984	3.5	2.9	3.0	0.3	2.8	3.0	3.1	8.5
11/19/1984	2.8	0.8	0.2	0.2	0.2	0.8	1.1	2.2
11/26/1984	6.0	3.8	2.5	2.8	3.0	2.5	2.0	5.1
12/3/1984	1.0	1.0	0.8	0.8	1.1	1.4	2.2	2.6
12/10/1984	0.1	0.0	0.0	0.0	0.0	0.0	0.3	1.8
12/17/1984	3.0	2.4	1.9	2.0	1.5	1.9	2.5	3.0
3/19/1985	5.0	3.2	3.1	3.3	3.0	3.0	3.2	4.7
3/25/1985	3.0	2.9	2.9	3.0	2.7	3.0	3.1	5.2
4/1/1985	3.2	3.5	3.8	3.8	4.0	4.0	4.0	4.8
4/9/1985	4.0	4.0	4.0	4.1	4.2	4.1	4.2	5.5
5/6/1985	15.5	15.9	15.0	15.2	16.2	16.6	16.5	
5/13/1985	19.5	19.1	17.7	18.8	19.2	19.0	19.0	18.0
5/20/1985	19.2	20.1	17.7	18.0	18.8	18.9	18.1	18.3
5/30/1985	17.2	15.8	16.0	17.1	15.5	16.1	17.8	20.5
6/6/1985	19.8	17.8	17.8	18.0	17.9	18.3	18.0	19.0
6/10/1985	23.0	21.7	21.5	21.9	21.6	22.2	20.9	17.2
6/17/1985	20.1	19.1	19.0	18.7	18.5	18.0	18.0	16.7
6/24/1985	20.5	20.8	22.0	21.7	21.2	21.2	19.0	17.5
7/2/1985	22.2	21.2	23.2	22.3	22.7	21.0	20.8	18.2
7/8/1985	27.0	26.5	25.0	27.0	24.5	25.0	24.0	22.9
7/16/1985	24.6	24.0	25.9	25.9	24.8	24.0	22.0	19.1
7/22/1985	24.5	24.7	27.0	25.3	25.0	24.9	23.3	19.5

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
7/30/1985	22.0	23.9	23.0	23.5	24.1	24.0	24.6	21.5
8/5/1985	20.8	22.2	21.7	21.9	22.2	22.0	22.2	22.5
8/13/1985	24.5	24.2	23.2	23.1	23.3	24.0	23.9	20.0
8/20/1985	20.5	20.8	20.0	21.3	21.0	21.9	20.4	17.0
8/28/1985	22.5	22.0	21.5	22.0	22.0	21.8	21.1	17.0
9/3/1985	23.2	22.4	21.8	21.5	21.6	21.8	21.8	23.0
9/10/1985	20.1	21.3	21.0	21.2	21.7	21.7	21.9	22.2
9/16/1985	16.3	15.9	15.7	16.8	16.3	17.5	18.0	20.0
9/23/1985	18.3	18.8	18.2	15.8	18.0	18.5	18.8	19.2
9/30/1985	15.5	15.8	15.8	16.2	15.5	15.5	15.2	15.7
10/7/1985	10.8	10.9	9.5	11.0	10.5	10.9	10.8	14.5
10/14/1985	13.0	12.1	12.2	12.2	11.9	12.0	12.3	13.7
10/21/1985	11.9	11.0	11.0	11.1	11.2	11.4	11.5	13.2
10/28/1985	10.5	10.7	9.8	10.0	11.8	11.0	11.0	13.0
11/4/1985	7.5	7.8	8.0	8.0	8.0	8.1	8.2	8.8
11/12/1985	3.3	2.6	2.8	2.8	3.0	2.8	2.9	3.8
11/18/1985	4.8	5.0	5.1	5.8	5.0	5.2	5.4	5.8
11/25/1985	0.0	-0.2	-0.2	-0.2	-0.5	-0.3	-0.3	0.8
12/2/1985	0.0	0.0		0.0	0.0		0.0	0.8
1/9/1986	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1/30/1986	0.0	0.0	0.0	0.0	0.0	0.0		1.0
4/1/1986	12.9	13.5	12.7	12.7	12.0	13.1	13.0	13.9
4/7/1986	11.8	11.2	11.0	11.0	10.8	10.6	10.4	11.2
4/14/1986	9.0	9.3	10.0	9.0	9.0	10.0	10.8	11.0
4/21/1986	10.8	11.5	10.5	11.5	10.6	12.0	12.5	13.5
4/28/1986	17.8	18.2	17.5	17.0	17.0	18.2	18.3	17.1
5/5/1986	16.8	15.6	14.8	15.3	16.3	16.1	15.1	17.1
5/12/1986	15.8	16.1	16.3	16.2	17.0	17.0	17.2	18.5
5/19/1986	14.0	14.5	14.5	14.1	14.0	15.2	15.0	16.0
5/28/1986	19.1	17.5	16.8	16.7	16.8	17.1	16.9	17.5
6/2/1986	18.1	19.0	16.2	18.4	19.0	20.2	20.0	18.5
6/9/1986	20.5	20.1	18.4	19.6	18.8	19.2	18.8	17.0
6/16/1986	22.2	20.5	20.1	20.5	20.0	20.0	19.5	18.7
6/23/1986	23.5	24.0	22.8	23.8	23.5	24.2	23.2	21.1
7/2/1986	21.5	21.1	20.5	19.6	20.5	21.4	21.6	22.3
7/7/1986	25.5	26.1	26.1	25.6	25.3	25.3	24.9	20.0
7/14/1986	20.9	22.1	20.3	21.1	21.8	21.4	21.8	20.0
7/21/1986	25.8	25.9	25.0	26.8	25.9	27.5	26.7	24.5

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
7/28/1986	24.5	24.9	23.2	24.7	23.0	24.1	24.0	24.0
8/6/1986	21.3	22.1	22.8	23.0	23.0	23.1	22.3	20.0
8/11/1986	21.3	21.4	21.0	21.5	21.8	7.1	22.4	20.5
8/19/1986	22.8	22.8	22.5	22.8	23.0	22.9	21.2	19.0
8/25/1986	20.4	21.3	21.5	22.4	22.0	22.4	22.4	20.8
9/3/1986	21.5	20.5	21.5	22.0	20.8	21.1	21.0	21.5
9/8/1986	14.8	16.5	16.5	17.1	17.8	19.0	19.5	19.8
9/15/1986	15.5	15.7	15.8	16.0	16.0	16.1	16.3	16.4
9/22/1986	16.0	16.0	16.0	16.4	16.0	16.0	16.0	16.5
9/29/1986	20.1	20.1	20.1	20.1	20.0	20.0	20.0	20.2
10/6/1986	10.0	11.4	12.1	11.6	11.2	11.6	12.8	11.8
10/15/1986	7.8	8.1	8.0	8.1	8.2	8.3	8.8	10.5
10/20/1986	8.8	9.0	9.0	8.6	8.3	9.0	9.5	10.9
10/27/1986	11.3	11.5	11.2	11.3	11.1	11.3	11.4	12.8
11/3/1986	6.5	7.2	7.0	6.9	7.5	8.0	7.9	10.0
11/12/1986	0.4	1.1	0.6	0.8	1.2	1.8	2.0	6.2
11/17/1986	0.2	0.3	0.2	2.2	0.1	0.2	0.1	3.3
11/24/1986	2.0	2.0	1.8	1.8	2.0	2.0	2.6	4.0
12/1/1986	4.0	2.0	1.4	1.5	2.0	2.2	2.1	4.2
12/9/1986	0.5	0.5	0.3	1.2	1.0	0.9	0.2	2.8
3/26/1987	8.2	8.2	8.5	8.2	8.5	9.0	8.8	10.5
3/30/1987	3.1	4.0	3.9	4.0	3.9	4.6	5.1	6.6
4/6/1987	7.5	7.1	6.0	6.0	6.5	7.4	6.0	7.0
4/13/1987	12.0	12.3	10.9	10.8	12.5	12.8	11.0	12.7
4/20/1987	17.4	17.4	17.1	17.0	16.0	16.6	17.3	17.4
4/27/1987	12.2	11.5	11.5	11.6	11.0	10.8	11.0	11.5
5/4/1987	12.2	12.0	10.1	10.3	11.2	11.1	11.2	11.5
5/11/1987	19.4	19.0	18.8	18.8	19.6	19.1	19.0	16.4
5/18/1987	18.2	18.8	18.5	19.0	20.5	20.1	18.8	17.8
5/26/1987	15.5	15.2	14.2	14.2	14.2	14.2	15.0	16.8
6/1/1987	23.0	24.1	22.8	23.9	23.3	23.8	24.8	22.8
6/8/1987	23.2	23.8	23.6	23.3	23.6	23.1	22.0	17.5
6/16/1987	25.0	24.0	23.4	23.5	23.0	21.1	20.0	20.2
6/22/1987	22.0	20.9	22.6	23.3	24.0	23.9	21.2	20.6
6/29/1987	22.0	21.5	22.3	21.1	21.2	20.0	19.8	20.4
7/6/1987	20.7	20.5	21.2	21.9	22.0	21.9	20.2	21.9
7/13/1987	23.0	25.1	25.0	26.6	18.9	25.8	22.8	20.0
7/20/1987	29.0	26.8	28.0	28.0	26.0	26.3	24.1	20.8

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
7/29/1987	24.0	23.6	23.9	24.9	23.3	18.2	17.2	20.0
8/3/1987	29.0	28.2	27.2	28.9	28.0	23.2	24.0	24.4
8/10/1987	21.8	22.1	21.3	22.2	22.0	20.9	20.8	22.6
8/17/1987	23.1	23.9	23.5	23.1	23.0	23.0	23.8	24.1
8/24/1987	20.5	20.0	18.8	20.9	20.2	20.5	18.8	18.2
8/31/1987	18.6	18.8	18.0	19.6	18.9	17.9	18.2	19.0
9/9/1987	21.0	20.7	20.7	20.8	21.3	20.0	20.1	21.5
9/16/1987	20.8	20.0	21.5	20.7	22.0	18.9	20.5	20.2
9/22/1987	15.7	16.3	16.3	16.3	16.8	16.7	16.7	17.4
9/28/1987	18.2	18.0	17.0	18.9	17.4	18.8	18.3	17.9
10/5/1987	11.2	11.2	11.5	12.0	12.0	13.1	13.0	15.8
10/13/1987	9.0	9.3	8.5	8.7	9.4	9.7	10.3	12.9
10/19/1987	10.8	10.5	10.9	11.2	11.6	11.5	11.8	12.9
10/26/1987	6.3	6.0	5.8	6.0	6.7	6.8	6.5	10.1
11/2/1987	10.0	9.4	9.5	9.6	10.0	9.3	8.7	9.5
11/9/1987	5.5	5.7	5.0	5.0	6.5	7.7	7.5	8.3
11/16/1987	7.3	6.6	6.6	6.7	6.7	6.4	5.9	8.1
11/23/1987	2.4	1.9	2.0	2.4	2.3	2.0	1.5	2.2
12/2/1987	2.2	2.1	2.7	2.7	2.7	2.7	2.8	6.8
12/9/1987	5.3	4.1	4.3	4.3	4.5	4.1	3.7	4.6
12/14/1987	1.5	1.7	1.7	1.2	1.7	1.3	2.3	2.6
4/28/1988	8.2	8.2	8.2	8.3	9.4	8.8	9.0	10.2
5/2/1988	14.8	14.5	12.9	12.9	14.8	12.0	12.3	12.9
5/16/1988	17.0	17.5	17.0	17.5	13.7	13.6	13.8	15.6
5/31/1988	23.5	22.3	25.0	23.1	23.2	22.0	20.1	19.9
6/13/1988	21.5	21.0	23.5	22.3	21.8	17.9	17.5	20.0
6/27/1988	22.5	21.3	24.5	24.1	22.8	15.3	14.9	18.2
7/11/1988	24.5	23.5	25.0	25.5	24.6	19.5	20.0	21.0
7/25/1988	25.0	24.5	25.0	24.5	24.5	23.0	23.2	24.5
8/8/1988	25.5	25.0	26.8	23.5	26.0	17.2	18.8	16.8
8/22/1988	22.1	22.4	24.5	23.7	23.5	17.5	17.5	18.3
9/6/1988	16.1	16.3	16.4	16.7	15.5	15.4	13.0	17.0
9/19/1988	20.0	20.3	21.9	19.8	20.5	19.3	19.2	20.8
10/3/1988	14.2	15.3	14.1	16.2	15.0	13.2	12.6	16.5
10/18/1988	10.6	10.9	12.0	12.2	12.1	11.8	12.0	15.2
10/31/1988	3.5	2.5	2.5	3.3	2.5	6.3	6.3	8.3
11/15/1988	5.0	4.8	4.8	4.8	4.8	4.8	5.0	7.8
4/18/1989	8.8	10.2	8.5	8.9	9.5	10.4	10.4	11.5

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
5/8/1989	10.8	11.0	10.6	12.0	12.0	10.3	10.0	10.5
5/22/1989	19.2	17.8	17.7	18.5	19.3	13.8	13.7	15.4
6/20/1989	22.9	21.3	21.4	22.4	21.1	18.0	18.3	19.5
7/31/1989	21.6	21.1	20.5	20.8	20.9	20.5	20.8	22.0
8/21/1989	23.2	23.0	22.3	23.4	22.8	22.2	22.3	22.3
9/5/1989	20.4	20.9	20.0	20.5	20.6	20.6	20.8	17.2
9/18/1989	17.2		17.2	18.3	18.8	18.7	18.8	19.0
10/12/1989	11.9	11.0	12.3	11.3	11.9	12.5	12.8	14.0
10/30/1989	14.6	14.3	14.4	13.8	13.9	12.2	12.2	13.0
11/28/1989	0.5	0.3	1.1	1.2	2.1	1.8	1.7	7.5
12/5/1989	0.4	0.2	0.3	0.5	1.1	1.0	0.9	6.5
4/9/1990	7.0	7.0	6.1	5.9	7.2	7.4	6.5	11.0
6/18/1990	23.8	22.1	22.6	23.5	22.1	17.2	17.5	19.5
7/5/1990	28.0	27.7	27.0	28.1	26.4	19.6	20.5	21.7
7/17/1990	23.3	22.3	23.3	21.9	21.3	19.0	19.3	20.2
8/1/1990	23.3	22.1	22.3	22.9	22.6	18.9	18.6	20.8
8/20/1990	21.2	21.6	21.7	22.0	22.5	21.5	21.6	22.7
9/5/1990	24.4	23.8	25.1	24.3	24.5	22.8	23.2	25.3
9/20/1990	16.1	15.8	15.5	16.7	16.5	17.4	17.5	18.0
10/15/1990	9.7	9.7	9.5	10.5	10.2	10.6	10.7	11.4
10/29/1990	6.6	6.8	6.4	7.1	7.5	7.8	8.2	12.4
4/1/1991	5.7	5.8	6.0	6.1	5.7	5.0	4.7	5.5
4/22/1991	11.6	11.2	10.6	10.4	9.6	9.9	11.1	13.3
5/7/1991	9.4	9.6	9.3	9.4	9.3	9.4	10.0	12.1
5/28/1991	24.5	24.0	23.5	24.0	24.1	24.3	24.3	21.4
6/19/1991	24.2	24.4	24.8	24.6	23.6	21.9	22.1	23.2
7/1/1991	23.8	24.8	23.5	24.6	24.6	18.5	18.4	23.6
7/18/1991	25.1	24.8	25.2	25.2	25.0	22.6	23.4	25.1
7/29/1991	20.8	21.2	21.2	21.9	21.8	20.5	20.5	21.6
8/12/1991	22.1	21.3	22.1	21.2	21.2	21.3	21.7	22.6
8/26/1991	24.8	23.9	25.5	23.9	23.7	23.1	23.5	24.3
9/16/1991	22.8	22.6		23.3	22.3	20.4	20.9	20.1
10/1/1991	12.6	12.0		13.8	12.8	11.3	11.9	13.8
10/21/1991	8.6	8.1		8.8	8.2	8.9	9.0	10.9
11/12/1991	1.0	0.8		0.9	1.1	0.9	1.4	4.0
4/7/1992	8.9	8.9	8.1	7.9	7.6	8.1	8.9	9.6
4/20/1992	9.9	9.4	9.3	9.2	9.3	8.6	8.0	8.2
5/4/1992	13.0	13.0	13.0	13.0	12.0	12.0	11.0	12.8

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
5/18/1992	17.2	17.4	16.0	16.3	16.2	13.1	13.9	16.0
6/11/1992	23.0	21.0	21.0	21.0	21.0	18.0	19.0	20.0
6/29/1992	21.0	20.0	21.0	19.0	19.0	16.0	16.0	18.3
7/13/1992	19.0	20.0	21.0	21.0	20.0	18.0	18.0	0.1
8/3/1992	22.0	21.0	22.0	22.0	21.0	19.0	20.0	21.3
8/17/1992	20.0	19.0	20.0	20.0	19.0	19.0	19.0	22.4
8/27/1992	20.0	20.0	19.0	19.0	20.0	15.0	16.0	0.0
9/8/1992	18.0	18.0	20.0	20.0	19.0	18.0	18.0	14.7
9/22/1992	15.0	15.0	15.0	16.0	15.0	16.0	17.0	16.5
10/6/1992	13.0	13.0	13.0	15.0	14.0	12.0	12.0	13.7
10/19/1992	5.9	5.8	5.9	7.1	6.8	7.6	8.2	11.0
4/22/1993	7.1	6.3	6.4	5.9	10.0	5.8	5.9	7.0
5/3/1993	13.0	14.0	14.0	14.0	13.0	13.0	13.0	14.1
5/17/1993	16.0	16.0	14.0	15.0	15.0	16.0	17.0	17.6
6/1/1993	13.0	14.0	13.0	13.0	13.0	14.0	14.0	16.1
6/14/1993	21.0	20.0	20.0	20.0	20.0	20.0	20.0	21.0
7/1/1993	19.0	19.0	19.0	20.0	19.0	19.0	21.0	21.2
7/13/1993	21.0	22.0	22.0	22.0	22.0	22.0	21.0	23.0
7/26/1993	23.0	24.0	23.0	24.0	24.0	23.0	24.0	23.0
8/9/1993	20.0	21.0	21.0	21.0	21.0	21.0	22.0	
8/23/1993	22.0	23.0	23.0	22.0	23.0	23.0		25.0
9/8/1993	18.0	18.0	18.0	18.0	18.0	19.0	19.0	23.8
9/20/1993	14.0	15.0	14.0	14.0	15.0	15.0	15.0	16.4
10/4/1993	12.0	11.0	11.0	12.0	12.0	11.0	12.0	13.9
10/19/1993	11.0	11.0	11.0	11.0	11.0	11.0	11.0	16.5
11/1/1993	4.8	4.2	4.2	4.5	4.8	5.1	5.1	10.3
11/15/1993	7.2	6.7	7.2	6.3	6.9	6.7	6.9	8.9
4/11/1994	10.0	10.0	8.2	8.1	8.7	10.0	10.0	
5/2/1994	10.0	10.0	8.2	9.6	8.8	10.0	11.0	11.2
6/6/1994	21.0	21.0	20.0	20.0	20.0	20.0		19.8
6/21/1994	26.0	25.0	26.0	24.0	24.0	26.0	23.0	23.1
7/6/1994	26.0	24.0	24.0	25.0	24.0	23.0	24.0	
7/19/1994	24.0	24.0	23.0	23.0	24.0	23.0	23.0	24.6
8/1/1994	24.0	23.0	23.0	23.0	22.0	24.0	23.0	23.1
8/15/1994	21.0	21.0	20.0	20.0	20.0	21.0	20.0	21.6
8/29/1994	21.0	21.0	21.0	23.0	21.0	23.0	24.0	23.5
9/12/1994	20.0	20.0	22.0	21.0	20.0	22.0	21.0	21.9
9/27/1994	16.0	16.0	16.0	16.0	16.0	17.0	18.0	21.0

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
10/11/1994	10.0	10.0	11.0	13.0	11.0	13.0	16.0	21.6
10/24/1994	10.0	11.0	10.0	10.0	11.0	13.0	13.0	14.8
11/8/1994	8.7	8.7	8.4	8.5	8.8	8.9	9.2	13.0
4/4/1995	6.5	7.0	5.5	5.4	5.0	6.1	8.7	10.2
5/2/1995	12.7	12.2	11.7	11.3	10.7	10.7	11.5	12.2
6/15/1995	23.3	21.0	21.8	21.0	21.3	20.0	21.2	19.5
6/19/1995	27.5	25.0	27.0	26.0	25.0	26.2	23.0	21.5
7/12/1995	24.8	24.6	26.1	24.1	22.9	24.6	22.9	21.3
7/24/1995	25.1	24.8	24.6	25.2	24.0	25.2	23.5	20.2
8/4/1995	25.6	25.5	24.1	23.6	23.9	24.6	24.5	24.5
8/28/1995	21.3	21.4	22.8	21.7		21.7	22.4	23.2
9/19/1995	16.6	17.4	16.9	18.0	17.6	18.9	18.8	20.4
10/31/1995	7.1	7.6	7.6	7.3	7.4	8.0	8.7	9.6
3/25/1996	2.0	2.2	2.5	2.6	3.0	3.1	3.1	4.8
4/22/1996	11.9	11.8	12.0	12.2	12.0	12.0	12.1	12.7
5/13/1996	9.9	10.2	10.1	10.1	9.7	9.5	9.5	10.5
5/28/1996	12.5	12.4	11.4	12.2	12.2	11.8	12.9	14.6
6/11/1996	15.3	15.0	15.0	14.9	14.9	14.8	14.7	15.1
6/18/1996	16.3	16.3	16.3	16.4	16.5	16.6	16.7	16.8
7/11/1996	21.3	21.4	20.2	21.9	20.5	20.9	22.7	23.3
7/23/1996	20.5	20.7	20.5	20.5	20.7	20.8	21.5	23.2
8/6/1996	24.7	24.7	24.7	25.1	24.4	24.6	25.0	25.7
8/29/1996	21.0	20.7	21.3	21.4	21.0	22.4	22.6	21.2
9/10/1996	21.1	22.0	21.1	21.9	21.1	22.5	25.7	26.3
9/30/1996	14.2	14.3	13.4	14.7	14.0	14.0	15.4	16.8
10/15/1996	12.7	12.1	12.3	12.8	12.6	13.1	13.0	15.0
10/29/1996	9.6	10.1	9.6	10.7	10.4	10.7	11.8	13.3
11/19/1996	0.5	0.5	0.6	1.1	0.7	1.6	1.9	8.4
3/25/1997	1.0	1.0	1.0	1.1	1.6	1.4	1.4	4.7
4/22/1997	10.0	10.0	8.9	8.6	8.1	8.6	10.0	12.0
5/5/1997	11.0	11.0	12.0	12.0	11.0	11.0	11.0	14.0
5/28/1997	14.0	13.0	13.0	14.0	13.0	14.0	14.0	18.0
6/11/1997	22.0	21.0	21.0	22.0	20.0	21.0	21.0	21.0
6/23/1997	23.0	22.0	22.0	22.0	21.0	21.0	22.0	22.0
7/8/1997	20.0	19.0	20.0	20.0	20.0	20.0	22.0	21.0
7/28/1997	25.0	25.0	24.0	25.0	25.0	24.0	25.0	28.0
8/12/1997	20.0	20.0	20.0	21.0	21.0	22.0	24.0	25.0
8/27/1997	22.0	21.0	20.0	21.0		20.0	21.0	24.0

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
9/22/1997			17.0	17.0		18.0	20.0	23.0
9/30/1997	15.0	16.0	15.0	15.0	15.0	17.0	19.0	22.0
10/13/1997	16.0	17.0	17.0	17.0		17.0	19.0	19.0
11/4/1997	7.1	7.0	7.4	7.0		8.4	14.0	16.0
3/16/1998	-0.2	-0.1	-0.2	-0.2	-0.2	0.1	0.2	0.8
4/14/1998	12.2	11.8	11.7	11.7	11.5	11.5	11.4	12.6
5/12/1998	18.0	18.2	16.7	16.4	16.2	17.3	19.3	19.5
5/26/1998	18.5	17.6	16.9	17.9	16.6	17.7	17.9	19.3
6/9/1998	17.1	16.8	17.9	17.2	16.6	17.1	17.7	21.3
7/1/1998	24.5	25.0	23.3	24.6	24.8	24.8	25.5	27.2
7/13/1998	25.8	25.1	24.4	24.3	23.0	25.2	25.3	26.2
8/5/1998	21.9	22.3	22.8	22.8	22.5	23.2	24.1	26.3
8/7/1998	21.8	21.9	21.6	21.6		21.5	21.9	22.1
8/18/1998	22.5	22.5	23.4	23.7		24.3	25.7	28.8
9/9/1998	18.7	18.6	19.9	21.0	18.7	20.7	22.4	23.1
9/22/1998	19.1	18.7	19.6	20.8		20.6	22.0	23.4
10/15/1998	11.0	10.9	11.6	11.3		12.8	12.8	15.4
11/3/1998	7.7	7.8	7.8	7.8		9.2	13.1	17.4
11/12/1998	5.0	5.2	4.8	4.7		4.8	5.4	9.8
3/22/1999	4.1	4.3	3.9	3.8	3.7	3.7	4.3	4.8
4/12/1999	7.1	7.0	6.8	6.8			7.0	7.5
5/4/1999	17.7	17.6	15.5	15.9	16.7	17.5	17.7	18.8
5/18/1999	17.1	17.2	17.4	17.5		17.5	17.6	18.9
6/7/1999	24.1	24.2	22.3	22.0	22.4		23.3	23.8
6/14/1999	20.5	20.3	20.4	20.5	20.1	20.2	20.3	20.5
7/13/1999	24.3	24.4	23.4	24.5	23.1	23.6	25.2	25.3
7/22/1999	22.0	22.2	22.2	22.3	22.3	22.3	22.4	23.2
8/10/1999	21.4	21.2	20.4	20.4	20.6	20.6	21.7	24.1
9/1/1999	22.7	22.0	21.1	21.6	20.6	22.2	23.2	26.5
9/13/1999		18.1	18.5	19.0	17.7	18.8	19.6	24.2
10/6/1999	10.3	10.0	10.4	11.1	10.2		11.8	13.6
10/26/1999	7.3	6.9	8.1	7.7	6.9	8.4	7.6	13.9
11/8/1999	8.1	6.9	6.3	6.1	6.0		7.1	15.9
3/28/2000	8.5	8.9	7.4	7.4	7.7	8.4	9.8	13.4
5/3/2000	17.2	16.4	14.3	14.7	15.7	16.2	17.1	18.1
5/18/2000	11.9	12.2	12.2	12.3	12.2	12.2	12.1	12.2
5/30/2000	14.0	14.5	13.4	14.4	14.8	14.6	14.3	14.8
6/1/2000	15.3	15.1		14.9		14.8		15.8

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
6/2/2000	16.3	16.4		16.5		16.6		17.4
6/7/2000	17.3	17.0		17.0		16.8		18.4
6/20/2000	20.4	20.6	21.0	22.1	20.4	20.7	22.8	23.3
7/11/2000	23.7	23.8	22.0	22.4	22.9	22.7	22.6	25.9
7/31/2000	22.1	22.2	22.2	22.6	22.3	22.5	23.1	24.3
8/17/2000	20.4	19.6	22.1	21.4	22.3	24.2	25.5	27.8
8/29/2000	23.3	23.4	23.0	23.0	22.9	22.1	22.7	27.9
9/12/2000	20.1	19.9	19.8	19.6	19.2	19.5	19.4	19.8
9/14/2000	20.3	20.6	18.8	18.5		19.2		
9/27/2000	13.4	13.5	12.4	13.5	13.8	13.8	13.7	14.6
10/1/2000	16.0	15.8	15.0	15.3	14.7	14.9	15.8	16.6
10/11/2000	8.7	8.5	8.0	8.3	8.4	8.9	9.1	14.0
10/26/2000	14.8	14.9	14.7	14.9	14.8	14.9	21.4	23.0
11/6/2000	9.3	9.1	9.0	9.1	9.0	9.2	9.2	15.7
11/21/2000	-0.2	-0.2	-0.3	-0.3	-0.3	-0.2	0.2	6.1
2/9/2001	-0.1	0.1	-0.2	-0.2		-0.2	1.6	0.0
3/21/2001	2.1	1.7	1.7	1.9	1.9	1.8	9.1	3.0
4/11/2001	9.7	9.2	9.0	9.1	9.1	9.1	12.4	10.5
4/24/2001	12.6	12.6	12.4	12.4	12.0	12.0	14.5	13.6
5/8/2001	15.0	14.7	13.7	13.8	14.1	14.0	14.6	18.4
5/15/2001	14.8	15.0	14.3	14.2	14.3	14.3	13.0	15.7
6/5/2001	12.0	12.2	11.8	12.4	12.9	13.0	21.7	16.5
6/13/2001	21.1	21.4	21.6	21.5	21.2	21.3	25.8	22.0
6/28/2001	26.0	25.4	23.5	25.3	23.8	23.4	26.5	25.7
7/18/2001	23.8	24.1	24.7	24.8	24.8	25.0	25.9	25.7
7/31/2001	25.6	25.9	25.7	25.1	25.2	25.8	26.3	29.4
8/15/2001	21.8	22.6	24.3	23.8	21.7	23.9	26.9	25.4
8/26/2001	22.5	22.7	22.4	23.1		22.9		0.0
8/28/2001	21.9	22.6	22.4	22.7	22.9	23.1	24.0	28.2
9/11/2001	18.5	19.3	18.0	19.3	19.5	19.4	19.5	20.5
10/17/2001	9.6	10.2	9.0	10.4	9.8	9.9	11.2	15.0
10/29/2001	6.4	6.2	5.8	5.7	6.0	6.1	6.3	8.2
11/14/2001	7.3	7.0	7.2	7.3	7.5	7.4	7.1	13.3
11/27/2001	7.2	7.4	7.2	7.2	7.4	7.3	7.2	11.1
3/25/2002	1.4	1.4	1.2	0.9		0.6	1.7	3.4
4/8/2002	5.3	5.3	5.1	5.1		5.3	5.6	7.1
4/9/2002	5.8	5.6	6.5	5.7		5.8		0.0
4/22/2002	8.7	8.6	8.7	8.7	8.6	8.7	9.2	12.7

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
TEMPERATURE DATA (DEGREES C)

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
5/7/2002	16.5	16.7	15.5	15.2	15.0	15.6	16.8	17.4
6/6/2002	13.8	13.4	13.0	13.0	13.1	13.0	13.2	15.2
6/20/2002	21.9	21.7	20.6	21.5	20.7	20.3	21.9	22.7
7/2/2002	28.6	29.0	27.7	27.6	26.6	28.0	27.7	25.9
7/8/2002	27.4	27.0	27.0	26.7	25.2	27.0	26.3	25.3
7/9/2002	25.3	26.5	24.7	26.3	25.1	25.9	26.3	24.7
7/23/2002	24.1	24.6	25.4	26.2	24.3	26.7	27.6	29.1
8/6/2002	22.3	23.0	24.6	24.6	22.2	25.2	26.2	25.6
8/13/2002	26.2	26.3	23.6	23.3	23.4	23.3	23.7	25.2
9/4/2002	21.9	22.5	20.9	22.6	22.0	21.7	23.3	26.1
9/30/2002	19.0	18.0	18.5	18.1	17.8	17.6	17.9	22.5
10/7/2002	12.8	13.3	12.4	13.9	13.3	13.4	14.4	18.3
10/23/2002	6.4	6.9	6.7	6.7	6.9	7.3	7.8	15.8
11/6/2002	4.3	4.2	4.2	4.2	4.0	4.3	4.5	11.9
11/20/2002	3.0	2.9	2.2	2.8	3.0	3.5	3.6	12.7
12/11/2002	-0.2	0.0	-0.2	-0.2	-0.2		-0.1	9.3
3/25/2003	3.1	4.7	2.6	2.5	2.7	3.1	4.2	7.3
4/10/2003	7.3	6.1	3.4	3.7	4.5	5.0	5.7	9.5
4/24/2003	11.6	11.9	9.0	9.3	10.1	11.0	12.0	16.2
5/15/2003	12.6	12.6	12.6	12.7	12.8	12.8	12.9	14.3
5/29/2003	16.4	16.8	17.4	18.0	17.6	18.2	19.3	19.9
6/9/2003	17.5	17.3	16.1	16.4	15.8	15.8	16.5	18.5
6/18/2003	22.9	22.5	21.7	21.8	21.1	21.4	22.2	22.6
7/9/2003	23.2	23.5	22.9	23.8	23.1	23.3	24.5	23.9
7/21/2003	23.6	23.8	24.8	24.0	23.0	24.1	24.3	25.3
8/7/2003	23.9	24.7	24.0	23.9	23.6	23.9	24.2	26.5
8/27/2003	24.0	24.4	26.7	25.6	24.5	26.1	26.9	27.3
9/9/2003	22.4	22.3	23.0	23.6	21.7	23.5	26.8	26.3
9/23/2003	15.1	15.4	17.0	16.9	15.6	17.6	18.3	17.1
10/8/2003	13.8	12.4	14.3	12.2	12.3	13.3	15.4	17.9
10/23/2003	10.1	10.4	10.1	10.4	10.5	11.4	13.5	17.7
10/25/2003	9.9	10.2	10.0	10.3	9.9	9.9	10.7	17.1
11/3/2003	8.3	9.0	9.1	9.1		9.4	9.8	13.1
11/18/2003	7.1	7.8	7.0			7.1	6.6	10.0
12/8/2003	1.8	2.5	1.7		1.9	1.7	1.9	4.5
3/29/2004	10.5	10.1	9.9		9.8	9.7	9.9	10.8
4/13/2004	7.4	8.6	6.4		7.6	8.4	9.1	14.2
4/28/2004	11.8	11.4	10.9		10.2	10.5	11.2	11.9

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
5/12/2004	15.7	14.8	14.5		14.4	14.3	14.5	15.8
5/14/2004	17.1	16.9	17.3		17.5	17.7	18.0	18.0
5/18/2004	17.5	17.3	17.2			17.0		
5/22/2004	14.3	14.2	14.3	14.1	14.3	14.3	14.3	14.7
5/25/2004	13.7	13.7	13.8	13.8	19.5	13.9		14.0
6/7/2004	20.4	19.9	19.5	19.6	17.9	19.4	19.3	21.0
6/24/2004	16.6	16.9	17.4	17.7	20.6	18.0	18.3	20.4
7/7/2004	19.5	20.0	20.5	20.6	25.7	20.7	21.2	22.5
7/29/2004	23.0	22.7	22.6	23.3	22.3	22.7	24.3	28.0
8/11/2004	19.4	20.0	19.6	20.5	20.1	20.7	21.7	24.2
9/1/2004	19.2	19.6	19.8	20.6	19.9	20.2	21.4	23.8
9/16/2004	21.1	21.3	22.6	22.8	21.6	22.7	23.2	23.4
9/29/2004	15.4	15.2	15.9	16.8	15.1	16.9	18.1	19.6
10/18/2004	9.0	8.8	9.4	9.3	9.1	9.6	8.7	14.9
10/24/2004	11.7	11.6	11.9	12.1	12.2	13.1	12.4	18.8
11/8/2004	6.9	6.9	5.8	5.9	6.0	6.8	8.4	13.1
11/23/2004	6.0	6.1	6.3	6.4	6.3	6.5	6.5	14.3
12/6/2004	2.1	2.3	2.2	3.5	2.3	2.2	1.9	6.1
3/22/2005	1.8	1.9	0.0	0.2	0.2	0.2	0.4	2.6
4/12/2005	11.7	12.3	11.9	11.7	11.5	11.8	13.1	16.3
4/25/2005	10.7	10.0	8.4	8.9	9.7	10.3	11.1	17.2
5/9/2005	15.4	14.7	15.2	15.9	16.3	16.0	15.8	17.2
5/23/2005	18.7	19.6	17.6	17.8	18.7	19.1	18.6	20.8
6/8/2005	24.4	24.1	24.0	24.0	23.5	23.8	24.3	25.4
6/23/2005	23.0	22.9	25.7	24.8	22.1	24.4	24.1	24.7
7/6/2005	21.4	21.8	23.1	22.5	21.4	23.8	23.5	23.8
7/18/2005	26.0	26.0	29.0	27.7	26.0	27.6	28.4	30.2
8/4/2005	26.5	26.6	28.4	27.1	26.1	27.3	28.7	30.2
8/18/2005	22.7	23.5	25.3	25.0	23.7	25.1	25.9	26.5
8/30/2005	22.2	22.4	23.7	23.9	22.4	24.5	27.4	29.1
9/12/2005	22.8	23.0	25.0	24.2	23.6	25.9	30.0	30.2
9/26/2005	19.2	19.0	19.7	19.8	19.7	19.9	20.1	21.8
10/10/2005	11.0	11.4	13.5	13.1	12.9	14.3	15.5	17.4
10/24/2005	9.3	9.2	9.1	9.2	9.1	10.2	14.9	18.7
11/7/2005	9.0	9.2	8.3	8.6	8.5	9.0	9.8	12.4
11/17/2005	1.0	2.0	0.8	0.9	1.2	2.7	5.2	13.8
12/6/2005	-0.2	-0.2	-0.1	-0.1	0.1		-0.1	8.5
3/13/2006	2.0	1.9	2.2	2.6	2.6	2.5	3.0	4.6

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
3/22/2006	1.8	1.1	1.3	0.8	0.9	1.4	4.4	3.0
4/3/2006	6.7	6.8	6.7	6.9				6.5
4/25/2006	12.7	11.9	12.1	12.4	13.2	15.0	16.0	
5/10/2006	15.8	15.9	16.2	15.9	15.8	16.5	20.8	15.8
5/22/2006	15.2	14.4	14.4	14.9	15.3	15.8	20.1	14.1
6/5/2006	21.8	20.0	22.8	21.4	20.7	23.4	24.5	19.2
6/19/2006	24.7	22.9	23.8	22.6	22.8	23.9	26.4	23.1
7/6/2006	22.8	23.6	24.4	22.4	25.0	25.3	26.5	21.4
7/18/2006	26.5	29.4	28.1	26.3	28.8	28.6	25.9	25.7
7/20/2006	24.8	25.5	24.2	26.0	25.8	27.0	29.4	23.4
7/24/2006								
8/2/2006	28.8	29.6	28.7	27.8	29.3	28.0	24.4	27.5
8/17/2006	23.0	24.6	23.9	22.3	24.7	27.3	28.4	21.6
8/29/2006	21.6	21.2	22.3	21.6	22.5	27.1	29.6	20.3
9/13/2006	16.8	17.2	17.6	17.3	17.6	17.7	22.5	16.9
9/28/2006	13.2	14.2	15.4	13.9	15.7	16.5	20.9	13.4
10/17/2006	9.1	9.2	10.7	10.4	9.4	8.6	14.3	10.9
11/2/2006	4.2	3.7	3.9	3.7	4.1	4.8	15.5	3.6
11/15/2006	4.4	4.1	4.4	4.4	4.5	4.7	10.1	5.2
12/6/2006	-0.2	-0.3	-0.3	-0.3	-0.1	-0.1	3.5	0.4
3/20/2007	3.4	3.6	3.4	3.5	3.5	3.5	3.4	3.8
4/2/2007	8.4	8.6	8.6	8.6	8.7	8.7	8.8	11.0
4/3/2007	9.4	9.2	8.9	8.7	8.7	8.7	8.7	9.1
4/23/2007	17.3	17.2	16.2	15.7	15.6	16.0	17.3	21.7
5/8/2007	16.2	15.9	14.6	14.5	14.2	14.6	15.5	19.7
5/22/2007	17.2	17.0	16.1	16.7	17.0	17.5	18.2	18.6
6/5/2007	17.8	18.4	18.9	19.3	19.5	19.6	19.9	21.3
6/21/2007	24.3	23.8	24.5	24.0	23.5	24.8	24.2	23.4
7/2/2007	20.8	21.0	23.8	22.6	20.5	23.1	23.6	24.1
7/17/2007	21.3	21.9	21.7	22.2	21.7	22.7	23.4	23.4
7/24/2007	22.2	22.6	24.9	23.6	22.2	24.3	27.1	28.3
8/13/2007	24.5	24.3	25.8	24.8	24.7	25.8	25.5	27.9
8/20/2007	18.5	18.6	19.0	19.3	19.4	19.5	19.6	19.4
9/10/2007	19.5	20.7	21.3	21.7	21.5	22.3	23.3	21.9
9/24/2007	19.1	18.9	19.5	19.9	19.1	20.2	20.3	23.2
10/11/2007	13.2	13.7	13.8	14.8	14.7	15.7	16.9	17.8
10/24/2007	10.6	11.6	11.2	11.3	11.4	12.2	13.2	17.4
11/5/2007	7.2	7.8	7.0	7.6	7.2	7.4	7.9	16.1

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
11/19/2007	4.3	4.1	4.3	4.4	4.3	4.6	4.2	9.5
12/2/2007	-0.2	-0.3	-0.2	0.1	-0.2	0.3	0.3	10.4
1/9/2008	-0.1	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	0.4
3/12/2008	-0.3	-0.1		-0.1	-0.3		-0.3	0.9
4/8/2008	8.5	8.7	8.8	8.8	8.8	8.8	8.7	9.2
4/11/2008	5.0	5.0	5.1	5.1	5.3	5.3	5.3	5.4
4/22/2008	15.1	14.7	14.8	14.8	14.2	14.3	14.8	19.1
5/13/2008	13.8	14.0	12.3	12.2	12.3	13.0	14.4	16.2
5/21/2008	13.6	13.7	12.9	13.4	13.6	14.1	15.3	18.5
6/3/2008	18.8	19.0	19.1	19.1	19.4	19.9	21.2	20.7
6/8/2008	19.6	20.1	20.3	19.9	19.4	19.4	19.3	19.3
6/18/2008	18.6	18.9	19.0	19.0	19.0	19.0	19.1	19.4
6/30/2008	20.4	21.3	20.6	20.8	20.2	20.6	21.6	23.2
8/19/2008	23.0	23.2	23.9	23.7	23.3	24.6	25.3	28.2
9/9/2008	15.8	16.8	16.4	17.4	17.6	18.2	18.8	22.2
9/24/2008	19.8	20.0	20.8	20.5	20.5	20.6	23.1	25.1
10/6/2008	13.0	13.2	13.1	13.0	13.1	13.0	13.2	15.6
10/22/2008	9.7	10.2	10.3	10.5	10.0	10.5	11.3	14.8
11/4/2008	11.0	10.4	10.6	11.0	11.4	12.1	13.5	17.8
11/18/2008	0.8	1.8	1.0	1.2	1.4	2.0	3.3	8.7
11/25/2008	0.4	0.3	0.0	0.2	0.3	0.7	0.3	8.1
12/2/2008	0.0	0.3	0.0	0.1	0.0	-0.1	-0.1	5.9
2/10/2009	-0.3	0.3	-0.3	-0.1	-0.3		0.2	1.9
3/25/2009	4.1	4.5	4.6	4.6	4.7	4.8	5.3	8.7
4/13/2009	8.5	9.2	7.8	7.8	8.2	8.6	10.2	11.9
4/27/2009	10.7	10.1	9.8	9.9	9.9	9.9	9.8	10.0
5/14/2009	13.8	13.7	13.9	14.1	14.3	14.4	14.6	15.6
5/27/2009	15.4	16.2	15.4	15.5	16.1	16.7	17.1	18.6
6/8/2009	14.6	15.1	14.1	14.0	12.7	14.6	16.3	16.2
6/19/2009	21.4	21.6	20.8	20.1	19.9	19.9	19.9	20.0
7/9/2009	21.6	21.0	20.1	20.3	19.9	22.0	22.4	22.2
7/22/2009	20.3	20.7	21.2	20.8	20.9	22.2	22.5	23.8
8/4/2009	22.9	21.9	23.5	23.4	22.8	24.0	22.6	20.0
8/19/2009	22.3	22.2	22.3	22.4	21.9	24.4	23.0	21.0
8/26/2009	22.0		21.5	21.5	21.7	21.9	22.8	20.8
9/16/2009	19.9		21.2	21.1	21.3	22.3	24.3	25.4
9/29/2009	13.2	14.2	13.4	13.4	13.2	14.2	15.6	20.0
10/13/2009	6.2	6.5	6.4	6.6	6.5	7.5	7.5	12.8

MMSD Milwaukee River Water Quality Monitoring Data (1981-2010)
 TEMPERATURE DATA (DEGREES C)

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
10/27/2009	8.6	9.1	8.8	8.9	9.4	9.9	10.2	14.0
11/3/2009	6.3		6.1	6.1	6.2	7.0	8.0	13.2
11/17/2009	4.9	5.4	5.3	5.3	5.5	5.9	6.3	9.3
12/1/2009	2.5	2.5	2.6	2.6	3.0	3.1	3.3	5.2
2/22/2010	-0.4		-0.4	-0.4	-0.4			3.4
3/8/2010	0.3	-0.3	-0.3	-0.2	-0.3			2.3
3/30/2010	6.7	6.9	5.2	5.2	5.7	6.6	7.6	10.3
4/13/2010	10.5	10.5	10.4	10.7	10.5	10.4	10.6	11.6
4/29/2010	12.2	11.9	11.8	11.9	11.9	12.0	11.9	12.6
5/12/2010	9.0	9.6	9.7	9.7	9.8	9.8	10.0	10.7
5/24/2010	22.0	21.7	20.1	20.2	20.1	20.8	21.9	21.9
6/8/2010	18.1	18.8	18.6	19.4	20.0	21.0	21.5	21.3
6/16/2010	19.5	19.4	18.7	18.9	18.4	18.3	18.5	20.0
6/24/2010	24.5	25.2	23.8	23.7	23.6	23.5	24.7	24.4
7/6/2010	25.6	26.0	25.2	25.5	25.4	26.2	26.8	25.2
7/9/2010	27.6	27.5	26.1	26.9		27.1		0.0
7/15/2010	24.6	24.8	23.0	22.7	22.6	22.8	22.7	22.7
7/23/2010	22.1	22.7	22.7	22.6		22.5		0.0
8/9/2010	24.8	24.0	24.5	24.0	24.9	25.5	25.8	26.1
8/25/2010	21.8	22.9	22.6	23.0	23.6	24.7	25.0	26.0
8/30/2010	24.5	24.6	24.5	24.6	24.0	25.0	25.2	26.0
9/20/2010	15.6	16.2	16.2	16.3	16.2	16.6	16.6	18.2
10/4/2010	10.8	11.1	11.5	11.6	11.3	13.1	14.3	17.7
10/20/2010	10.2	10.5	10.8	10.5	10.5	12.2	12.7	18.9
11/3/2010	6.0	6.2	6.1	6.2	6.5	6.8	7.5	12.0
11/15/2010	4.6	7.6	5.4	5.5	5.4	5.9	6.8	14.0
11/23/2010	3.9	4.1	4.0	4.2	5.2	6.9	6.9	11.5
12/7/2010	0.0	0.0	-0.1	0.0	-0.1		-0.2	3.7