

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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		930	230	930	230	230	3900	2300	7500
4/14/1981		150	430	230	2300	2300	43000	23000	-9999999
4/20/1981		230	9	9	43	230	9300	1500	2300
4/28/1981		91	230	91	91	43000	930000	4300	4300
5/5/1981		430	90	150	90	-9999999	15000	2300	1500
5/11/1981		75	93	930	430	23000	930	930	430
5/18/1981		23	90	90	90	230	390	150	430
5/27/1981		43	430	230	43	230	15000	1500	150
6/3/1981		93	230	-9999999	93	430	2300	750	430
6/11/1981		43	430	930	150	150	4300	930	2300
6/17/1981		2300	930	430	750	430	430	2300	43000
6/23/1981		430	930	150	930	1500	2300	7500	43000
6/29/1981		2300	230	90	40	150	430	110	150
7/9/1981		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
7/15/1981		2300	230	43	9300	15000	9300	4300	43000
7/20/1981		2300	1200	4300	430	350	9300	9300	93000
7/27/1981		4300	9300	4300	2300	930	4300	2300	210
8/5/1981		930	930	150	40	90	430	1500	4300
8/11/1981		24000	2300	1500	90	750	230	2300	930
8/17/1981		930	750	2300	4300	2300	2300	9300	930
8/27/1981		9300	12000	23000	23000	43000	93000	230000	230000
8/31/1981		2400	2400	210	280	2400	11000	4600	4600
9/9/1981		390	4600	390	930	7500	15000	15000	21000
9/16/1981		23	23	43	9	1100	93	1100	1100
9/21/1981		390	230	230	230	210	930	930	930
9/29/1981		390	2300	230	430	750	930	4300	2100
10/7/1981		40	9300	2300	4300	4300	4300	43000	43000
10/12/1981		430	40	2300	230	230	1500	430	430
10/21/1981		930	2300	930	4300	4300	2300	23000	15000
10/26/1981		90	2300	230	430	930	930	9300	23000
11/2/1981		430	230	230	430	430	930	750	430
11/9/1981		230	75	430	930	230	43	290	750
11/18/1981		93	43	230	930	230	430	930	930
11/23/1981		230	230	430	430	930	430	430	930
12/1/1981		210	230	3900	4300	9300	7500	23000	9300
12/8/1981		150	930	90	90	23000	930	43000	2300
12/14/1981		230	390	930	230	930	4300	4300	2300
1/12/1982		230	93	230	930	430		1500	1500
1/18/1982		1500	430	150	1500	430		2100	2300
1/28/1982		750	930	4300	930	150	2900	9300	2300

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		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	
2/1/1982		2300	430	430	390	90		2300	4300
2/8/1982		2300	230	430	430	430		15000	430
2/25/1982		430	230	2300	930	2300	9300	210	2300
3/1/1982		1500	150	930	4300	2300	4300	93000	4300
3/8/1982		150	230	430	390	4300	9300		4300
3/16/1982		1500	2300	4300	23000	43000	23000		23000
3/22/1982		230	2300	430	930	23000	7500	2300	9300
3/29/1982		430	430	90	430	4300	4300	4300	390
3/30/1982		930	230	230	93	930	4300	4300	23000
4/5/1982		930	230	2300	2300	9300	9300	4300	43000
4/14/1982		430	230	430	2300	1500	4300	4300	2300
4/19/1982		430	430	430	4300	4300	4300	15000	9300
4/26/1982		230	430	210	230	930	1500	1500	23000
5/4/1982		40	30	230	70	430	930	750	2300
5/10/1982		40	30	90	40	30	40	70	15000
5/19/1982		90	40	230	150	23000	3900	2300	23000
5/24/1982		4600	24000	11000	2400	9300	4300	11000	11000
6/1/1982		-9999999	2300	400	300	400	2700	4300	700
6/7/1982		300	300	1500	400	800	900	400	300
6/14/1982		230	230	430	430	750	430	930	2400
6/21/1982		90	150	930	230	2300	9300	2300	21000
6/28/1982		930	430	930	930	2400	4600	930	24000
7/6/1982		283	2400	90	90	4600	930	140	230
7/12/1982		2400	430	430	930	750	2400	11000	224000
7/20/1982		300	300	300		300	400	4300	4300
7/26/1982		430	230	430	200	4600	930	1500	46000
8/2/1982		430	230	930	11000	11000	24000	240000	46000
8/9/1982		2400	430	230	430	2400	930	2300	7500
8/16/1982		90	150	430	230	90	230	750	2400
8/23/1982		930	460	460	460	930	2400	2400	430
8/30/1982		2400	930	2400	9300	1100	4600	110000	930
9/7/1982		2400	930	930	430	150	-9999999	-9999999	-9999999
9/13/1982		2400	1100	210	30	90	-9999999	-9999999	-9999999
9/20/1982		1500	930	150	93	750	93	150	210
9/27/1982		2100	460	240	43	43	75	390	93
10/4/1982		460	140	75	23	93	43	240	460
10/11/1982		460	2400	1100	11000	2400	11000	24000	24000
10/18/1982		930	430	40	430	150	90	430	430
10/25/1982		93	460	1100	1100	2400	1100	240	1100
10/27/1982		90							

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		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	
11/1/1982		1100	1500	24000	24000	24000	24000	24000	24000
11/8/1982		460	1100	460	750	2400	2400	460	1100
11/10/1982		930	930	2400	750	24000	-9999999	9300	110000
11/10/1982		11000	430	2400	1500	110000	-9999999	110000	300
11/16/1982		4600	4300	2400	2400	2400	1500	4600	4600
11/17/1982		930	230	230	390	230	930	430	930
11/22/1982		1100	2400	1100	2400	2400	4600	4600	7500
11/29/1982		1100	1100	2400	1100	11000	15000	24000	24000
12/6/1982		460	4600	4600	4600	11000	4600	21000	110000
12/8/1982		930	240	93	2100	2400	930	7500	4600
12/13/1982		2400	240	1100	1100	2400		11000	24000
1/3/1983		11000	930	4600	930	2400	4600	930	750
1/10/1983		1500	3900	4600	930	4600	4600	430	930
1/26/1983		2400	4600	930	930	230	4600	2100	230
1/31/1983		430	1500	430	90	430	237	210	90
2/7/1983		390	930	430	930	-9999999	-9999999	-9999999	430
2/14/1983		750	4600	200	-9999999	430		430	70
2/22/1983		1500	-9999999	2400	2400	4300	9300	9300	24000
2/23/1983		2400	430	4300	2400	2400	2100	4300	930
2/28/1983		230	230	230	230	430	230	4600	11000
3/7/1983		400	400	900	7000	9300	4300	15000	15000
3/14/1983		430	930	930	430	930	2400	9300	4300
3/22/1983		430	2400	750	150	2400	1500	2400	-9999999
3/23/1983		150	2400	390	230	930	430	2400	2400
3/28/1983		430	4600	4600	930	1200	930	4600	21000
4/11/1983		430	9300	930	930	30	30	4300	2400
4/20/1983		90	750	2400	2400	90	150	1500	110
4/25/1983		90	430	230	150	430	230	230	-9999999
4/27/1983		430	430	750	2400	430	210	70	390
5/2/1983		430	930	2400	230	2400	11000	15000	46000
5/9/1983		40	40	430	70	30	230	430	4300
5/16/1983		210	40	40	40	90	300	400	4300
5/18/1983		15	930	230	430	90	110	90	400
5/23/1983		9300	4300	2400	2400	4300	9300	2400	15000
5/31/1983		230	2400	1500	430	750	430	930	930
6/6/1983		1500	230	430	930	2300	1500	2300	230
6/13/1983		430	930	930	230	150	90	90	40
6/20/1983		930	230	90	230	40	230	90	430
6/22/1983		430	430	230	90	30	40	70	430
6/27/1983		930	2400	930	90	40	30	40	40

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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	
7/5/1983		9300	2400	1500	1500	1500	9300	9300	15000
7/11/1983		230	230	230	430	230	150	110	230
7/18/1983		23000	930	230	930	2300	2300	23000	2300
7/20/1983		1500	2300	2300	4300	4300	15000	43000	4000
7/25/1983		230	90	430	230	230	230	430	230
8/1/1983		930	90	430	150	2400	150	230	90
8/8/1983		430	2400	90	70	90	90	70	750
8/16/1983		2400	430	430	230	90	900	700	300
8/17/1983		9300	4300	4300	24000	43000	43000	43000	110000
8/22/1983		4600	430	4300	110000	24000	110000	9300	110000
8/29/1983		430	230	23	150	1200	430	390	750
9/6/1983		2400	9300	21000	9300	24000	15000	110000	43000
9/19/1983		930	930	750	750	430	930	9300	930
9/26/1983		2300	930	2300	1500	930	1500	9300	110000
9/28/1983		230	430	430	750	430	430	150	930
10/3/1983		2400	430	280	4300	930	900	400	400
10/10/1983		930	90	430	230	750	930	1500	1500
10/17/1983		230	230	230	140	230	300	400	700
10/25/1983		150	430	230	390	9300	4300	9300	4300
10/26/1983		40	90	230	430	2300	4300	2300	2300
10/31/1983		40	90	230	90	230	150	150	150
11/7/1983		93	43	23	150	930	70	4600	230
11/14/1983		93	150	4600	90	40	150	230	430
11/21/1983		930	390	430	2400	2400	2400	4600	2400
11/30/1983		2400	9300	9300	2400	2400	2400	4600	4600
12/5/1983		90	430	-9999999	930	930	230	930	2400
12/12/1983		2400	430	4300	930	9300	24000	110000	46000
1/3/1984		2400	230	230	40	40	40	430	2400
1/9/1984		230	930	750	430	90	-9999999	230	430
1/16/1984		90	930	430	430	110	-9999999	-9999999	230
1/23/1984		430	930	2400	150	930	-9999999	2400	750
1/30/1984		430	430	240	93	930	150	4600	390
2/6/1984		11000	750	430	430	2400	230	930	930
2/13/1984		700	2300	9300	4300	21000	7500	93000	120000
2/21/1984		430	930	90	230	430	430	230	230
2/27/1984		40	230	90	90	230	140	2300	930
3/5/1984		90	40	390	200	12000	430	1500	4300
3/12/1984		230	30	30	4300	2100	-9999999	4300	9300
3/19/1984		40	-9999999	-9999999	-9999999	230	-9999999	-9999999	2300
3/21/1984		90	200	230	150	930	2300	2300	4300

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		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	
3/26/1984		70	90	230	230	230	90	930	230
4/2/1984		4	23	-9999999	40	40	40	430	430
4/9/1984		150	150	230	43	43	93	390	1500
4/16/1984		4300	4300	430	930	1500	2300	7500	15000
4/23/1984		230	1500	430	1500	46000	7500	46000	24000
4/25/1984		230	150	150	90	9300	9300	46000	9300
5/1/1984		1500	930	430	430	3900	4300	9300	9300
5/7/1984		230	230	43	430	930	230	750	2300
5/14/1984		430	2400	210	230	-9999999	430	230	1500
5/16/1984		430	30	70	93	430	93	930	930
5/21/1984		75	43	93	150	43	150	70	430
5/29/1984		930	750	750	1500	2300	2300	2300	24000
6/4/1984		230	930	230	930	40	9	21	9
6/11/1984		2300	24000	24000	2300	9300	2300	2300	750
6/13/1984		930	2300	930	430	930	2300	4300	430
6/18/1984		15000	23000	23000	43000	43000	15000	23000	23000
6/25/1984		430	930	430	230	430	430	2300	930
7/2/1984		150	430	430	150	430	150	930	750
7/9/1984		24000	7500	9300	2300	24000	110000	240000	4300
7/11/1984		43000	15000	24000	4300	7500	24000	24000	46000
7/17/1984		280	230	930	430	930	930	9300	1500
7/23/1984		430	930	150	90	230	90	2100	2300
8/1/1984		430	93	210	150	150	93	4300	3900
8/7/1984		930	430	230	430	430	750	24000	2300
8/20/1984		430	430	230	230	930	430	2300	1500
8/22/1984		930	2300	930	46000	15000	24000	46000	240000
8/27/1984		24000	1500	930	9300	24000	240000	46000	15000
9/4/1984		1500	90	430	930	430	150	-9999999	-9999999
9/24/1984		230	150	2300	230	210	110000	2300	90
9/26/1984		2300	7500	4300	24000	240000	15000	24000	240000
10/1/1984		430	9	430	230	930	15000	930	430
10/8/1984		2300	210	930	9300	46000	24000	9300	9300
10/17/1984		4300	930	2300	4300	4300	4300	24000	46000
10/22/1984		2100	2300	2300	3900	4300	4300	9300	2300
10/24/1984		2300	930	4300	930	430	2300	1500	930
11/1/1984		9300	2300	46000	7500	240000	43000	23000	43000
11/6/1984		900	1500	230	4300	930	930	4300	4300
11/14/1984		2400	230	430	230	930	430	2300	2300
11/19/1984		230	90	75	150	430	150	750	930
11/26/1984		230	93	930	430	930	230	9300	4300

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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	
12/3/1984		750	430	430	230	230	1500	7500	9300
12/10/1984		150	230	930	930	2300	90	2300	4300
12/12/1984		11000	4600	2400	2400	4300	-9999999	-9999999	46000
12/17/1984		430	4300	930	930	2300	930	2300	2400
3/19/1985		230	-9999999	-9999999	-9999999	430	930	2400	1500
3/25/1985		230	1500	230	2400	430	23	3900	1500
4/1/1985		430	2400	390	430	2400	430	2300	2300
4/9/1985		93	430	230	210	930	230	2100	230
5/6/1985		93	75	43	70	90	1500	930	-9999999
5/13/1985		23	390	150	930	1500	7500	9300	7500
5/20/1985		430	120	230	430	430	15000	430	430
5/30/1985		430	-9999999	43	230	230	930	1500	2100
6/6/1985		230	93	430	21	90	30	4300	2100
6/10/1985		4300	930	4300	930	930	93	930	300
6/17/1985		930	430	750	1500	930	2400	930	430
6/24/1985		230	150	75	23	230	93	1500	230
6/26/1985		3	230	43	23	43	43	4600	430
7/2/1985		430	2300	930	40	230	2300	9300	2300
7/8/1985		230	430	140	93	430	24000	430	110000
7/16/1985		430	2400	230	150	430	930	24000	2300
7/22/1985		150	430	93	11000	2400	4300	2300	24000
7/24/1985		43	230	930	430	900	4300	9300	15000
7/30/1985		430	230	210	230	230	230	1500	15000
8/5/1985		230	230	2300	390	4300	4300	9300	900
8/13/1985		1500	430	7500	9300	9300	110000	75000	9300
8/20/1985		-9999999	-9999999	-9999999	-9999999	-9999999	900	2300	9300
8/21/1985		230	7500	150	23	390	230	2300	9300
8/28/1985		1500	430	430	210	2400	2300	9300	2100
9/3/1985		430	430	230	230	430	930	4300	3900
9/10/1985		7500	2300	1500	4300	-9999999	7500	21000	110000
9/16/1985		230	230	430	930	430	230	4300	930
9/23/1985		930	2100	4300	9300	9300	430	4300	2300
9/30/1985		70	230	1500	90	140	2300	4300	430
10/7/1985		230	930	2400	930	930	930	4300	7500
10/14/1985		2400	4600	4600	11000	2400	2300	1500	3900
10/21/1985		230	930	1500	930	930	930	2300	4300
10/28/1985		150	430	150	230	750	390	430	930
11/4/1985		2300	9300	4300	9300	2300	15000	4300	7500
11/12/1985		1500	9300	2100	1500	4300	4300	2300	4300
11/18/1985		1500	2300	2300	4300	24000	9000	9300	4300

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		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	
11/25/1985		430	2400	750	93	390	230	9300	210
12/2/1985		2400	4300		24000	24000		110000	46000
1/9/1986		430	230	210	430	210	230	9300	-9999999
1/30/1986		43	430	150	150	4600	2400	-9999999	4300
2/21/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
2/25/1986		2300	750	93	23	2400	230	1500	2300
2/27/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
2/28/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
3/6/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
3/10/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
3/11/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
4/1/1986		750	230	430	930	430	4300	930	930
4/7/1986		4600	-9999999	43	930	930	1500	2300	930
4/14/1986		90	40	30	40	930	430	430	430
4/21/1986		43	43	93	930	2400	2300	2300	2100
4/28/1986		90	40	150	70	4300	430	930	4300
5/5/1986		23	430	23	43	230	30	390	430
5/12/1986		93	93	230	24000	930	90	2300	4300
5/19/1986		930	430	230	390	1500	400	2300	9300
5/28/1986		750	430	430	930	1500	400	23000	43000
6/2/1986		93	150	93	150	43	43	150	30
6/9/1986		93	150	430	93	430	930	930	430
6/16/1986		75	430	430	430	230	4600	9300	24000
6/23/1986		93	43	430	1500	930	7500	4300	430
7/2/1986		75	150	930	43	930	430	3900	750
7/7/1986		430	93	430	24000	24000	24000	11000	7500
7/14/1986		11000	2400	2400	11000	2400	2400	4300	24000
7/21/1986		930	430	2400	4600	11000	4600	2300	9300
7/28/1986		930	2300	4300	21000	110000	43000	240000	460000
8/6/1986		2300	4300	1500	230	430	1500	930	2300
8/11/1986		93	430	930	2300	24000	24000	24000	15000
8/19/1986		930	230	150	43	2400	430	4300	430
8/20/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
8/25/1986		230	430	210	93	4600	930	2300	4300
8/27/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
9/3/1986		230	230	93	93	750	2100	930	230
9/4/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
9/8/1986		93	930	430	150	2400	1200	930	230
9/15/1986		430	2300	2300	430	2300	900	1500	4300
9/17/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
9/22/1986		930	4600	2400	4300	2300	110000	4300	24000
9/25/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
9/29/1986		300	9300	4300	2300	43000	23000	23000	23000
10/1/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
10/6/1986		930	4600	430	430	2300	4300	4300	-9999999
10/7/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
10/13/1986		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
10/15/1986		210	2400	2400	430	-9999999	930	930	930
10/20/1986		230	1500	230	230	430	930	2300	4300
10/27/1986		930	150	230	930	750	4300	15000	15000
11/3/1986		93	75	230	93	430	430	3900	4300
11/12/1986		75	93	230	230	430	4600	4300	2300
11/17/1986		93	43	230	230	430	430	2300	9300
11/24/1986		230	230	1500	430	390	430	2300	24000
12/1/1986		43	23	230	93	230	230	430	-9999999
12/9/1986		230	430	2400	930	930	110000	46000	46000
3/26/1987		23	93	23	43	230	230	1500	930
3/30/1987		93	150	23	93	930	230	230	930
4/6/1987		23	23	23	93	230	90	1500	750
4/13/1987		43	93	43	93	93	30	2300	930
4/20/1987		150	150	150	75	93	430	230	430
4/27/1987		430	430	93	930	930	1500	430	430
5/4/1987		93	23	43	30	30	70	1500	1500
5/11/1987		230	11000	43	43	23	23	930	230
5/18/1987		93	930	230	24000	2400	11000	1500	750
5/26/1987		230	750	230	750	430	390	930	2100
6/1/1987		4600	11000	2400	930	24000	4300	4300	930
6/8/1987		90	930	150	150	40	3	430	4300
6/16/1987		93	430	230	43	150	23	1500	4300
6/22/1987		230	2300	9300	240000	46000	24000	23000	24000
6/29/1987		430	430	75	430	230	430	430	2300
7/6/1987		930	4600	230	110000	110000	46000	110000	24000
7/13/1987		390	430	430	46000	9300	3900	4300	4300
7/20/1987		230	230	230	430	930	230	2300	230
7/29/1987		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
8/3/1987		140	240	460	750	1500	930	24000	4600
8/10/1987		930	2400	2400	750	24000	4300	2300	110000
8/17/1987		24000	3900	9300	7500	46000	24000	23000	93000
8/24/1987		230	430	750	430	930	230	2100	2300
8/31/1987		4600	430	2400	750	11000	11000	930	15000

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
9/9/1987		430	230	1500	930	2400	2400	4300	2000
9/16/1987		1200	230	1500	230	4300	2300	2300	240000
9/22/1987		4300	1500	930	4300	9300	4300	9300	9300
9/28/1987		150	230	-9999999	430	9300	7500	4300	4300
10/5/1987		230	75	75	230	430	2400	930	430
10/13/1987		230	75	230	43	430	4600	2100	930
10/19/1987		210	90	93	2400	930	9300	24000	2300
10/26/1987		43	430	930	90	430	4300	24000	1500
11/2/1987		430	930	430	430	9300	24000	9300	4300
11/9/1987		230	230	930	930	2100	4300	15000	9300
11/16/1987		90	430	230	90	-9999999	15000	15000	2300
11/23/1987		930	430	930	430	-9999999	9300	24000	430
12/2/1987		230	210	430	150	930	1500	2300	930
12/9/1987		4300	2300	1500	1500	4300	9300	4300	4300
12/14/1987		230	430	210	430	230	430	2300	2100
4/28/1988		150	230	93	930	230	930	430	2300
5/2/1988		93	93	43	43	43	43	1500	93
5/16/1988		43	150	23	230	40	23	150	230
5/31/1988		23	230	930	150	93	43	430	90
6/13/1988		230	430	15	93	23	23	930	230
6/27/1988		210	230	93	43	24000	430	93	430
7/11/1988		930	430	430	120	39	39	930	4600
7/25/1988		930	930	1500	2400	110000	9300	9300	9300
8/8/1988		930	934	43	930	4300	2300	23000	2300
8/22/1988		43	240	430	230	-9999999	430	210	1500
9/6/1988		930	930	430	2100	46000	2300	2100	2300
9/19/1988		2100	4600	2400	9300	7500	9300	-9999999	-9999999
10/3/1988		4600	930	230	930	2100	2300	2300	2300
10/18/1988		230	2300	4300	46000	7500	15000	15000	2300
10/31/1988		93	23	39	230	230	430	430	750
11/15/1988		930	150	150	230	930	430	430	430
4/18/1989		93	230	15	40	90	930	2300	-9999999
5/8/1989		93	43	9	39	93	40	40	230
5/22/1989		43	43	230	93	93	43	430	430
6/20/1989		150	430	75	43	93	43	90	390
7/31/1989		40	430	4300	2300	4300	4300	4300	2300
8/21/1989		430	930	430	4600	4300	1500	4300	4300
9/5/1989		230	430	430	430	930	90	-9999999	-9999999
9/18/1989		93		230	1500	930	430	930	430
10/12/1989		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
10/30/1989		430	43	230	43	93	23	230	430
11/28/1989		230	430	230	90	930	930	2100	4600
12/5/1989		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
4/9/1990		43	39	93	150	93	43	430	430
6/18/1990		750	150	150	430	750	230	750	46000
7/5/1990		230	43	93	23	230	930	930	9300
7/17/1990		140	930	430	4300	750	2300	2300	4300
8/1/1990		230	210	930	93	930	930	930	2300
8/20/1990		2300	930	400	4300	23000	9300	3900	23000
9/5/1990		93	230	90	40	40	3900	210	240000
9/20/1990		150	750	90	430	750	230	400	230
10/15/1990		430	230	230	2300	900	400	2300	93000
10/29/1990		-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999	-9999999
4/1/1991		430	40	40	70	280	150	90	400
4/22/1991		23	40	40	230	430	90	90	230
5/7/1991		430	230	43	150	23	150	150	4300
5/28/1991		430	930	230	90	430	900	400	390
6/19/1991		2400	930	2400	930	930	430	430	430
7/1/1991		240	1500	430	230	93	23	150	930
7/18/1991		93	150	93	93	150	150	230	150
7/29/1991		930	430	2000	150	930	4300	9300	430
8/12/1991		75	90	230	430	150	930	750	930
8/26/1991		150	2400	43	23	150	20	15	90
9/16/1991		750	930		930	2100	430	2400	9300
10/1/1991		150	240		930	2400	40	430	230
10/21/1991		430	43		2400	93	150	90	930
11/12/1991		230	43		430	430	430	2300	1500
4/7/1992		70	43	93	93	43	280	230	90
4/20/1992		150	43	43	43	93	430	230	430
5/4/1992		9	9	23	15	43	43	23	150
5/18/1992		14	430	230	23	93	43	23	150
6/11/1992		75	430	150	43	43	40	40	70
6/29/1992		120	93	93	15	150	430	230	2300
7/13/1992		930	230	1500	46000	46000	4300	2300	24000
8/3/1992		240	210	460	90	750	150	430	2400
8/17/1992		93	240	43	240	2400	200	390	930
8/27/1992		750	4300	2400	60000	60000	24000	9300	40000
9/8/1992		430	2400	430	4300	9300	10000	46000	4300
9/22/1992		93	93	750	2400	930	930	930	2300
10/6/1992		230	75	106	43	93	43	40	230

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
10/19/1992		70	150	93	230	230	1500	2300	1500
4/22/1993		230	930	930	930	930	930	900	2300
5/3/1993		230	390	230	150	150	230	90	300
5/17/1993		23	230	230	230	230	230	150	90
6/1/1993		430	430	230	1500	430	430	210	930
6/14/1993		930	1500	930	4300	24000	930	900	23000
7/1/1993		230	150	430	430	1500	2300	230	7500
7/13/1993		390	430	930	750	1500	430	90	430
7/26/1993		24000	430	430	750	930	230	15000	2300
8/9/1993		120	430	430	430	430	93	90	-9999999
8/23/1993		43	230	93	75	430	230	230	930
9/8/1993		430	430	430	230	2100	430	430	430
9/20/1993		93	430	390	200	430	430	430	930
10/4/1993		93	430	430	230	93	230	230	230
10/19/1993		43	430	150	230	150	930	30	90
11/1/1993		93	120	43	43	93	240	93	93
11/15/1993		930	930	230	-9999999	9300	2300	23000	9300
4/11/1994		150	43	93	23	210	-9999999	-9999999	-9999999
5/2/1994		23	23	43	23	430	-9999999	-9999999	-9999999
6/6/1994		210	430	430	2300	430	24000	150	3
6/21/1994		230	93	230	2300	1500	930	2300	1500
7/6/1994		2400	1500	930	930	4300	400	2300	3900
7/19/1994		75	230	390	150	93	230	90	230
8/1/1994		430	930	930	230	9300	230	30	230
8/15/1994		230	75	93	430	430	43	23	150
8/29/1994		150	93	430	930	2400	930	150	230
9/12/1994		430	930	150	23	230	75	30	40
9/27/1994		2400	930	9300	15000	4300	24000	430	930
10/11/1994		430	140	430	930	930	430	230	30
10/24/1994		230	930	230	2400	1500	430	43	150
11/8/1994		4300	2300	430	750	930	2300	750	930
4/4/1995		43	7	23	43	43	23	43	23
5/2/1995		23	93	23	43	23	93	75	43
6/15/1995		93	93	210	43	230	43	75	43
6/19/1995		43	430	930	93	210	150	23	75
7/12/1995		150	930	93	23	43	43	23	93
7/24/1995		230	430	230	43	430	40	230	93
8/4/1995		93	390	93	230	750	2300	230	430
8/28/1995		46000	240000	4300	110000	-9999999	240000	240000	43000
9/19/1995		430	390	230	2400	930	390	430	390

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
10/31/1995		150	230	2400	430	930	430	930	430
3/25/1996		70	430	230	230	930	430	430	430
4/22/1996		150	93	43	23	30	40	90	90
5/13/1996		93	93	230	93	230	210	230	90
5/28/1996		230	43	93	23	43	28	23	43
6/11/1996		430	2400	230	930	230	930	430	430
6/18/1996		24000	15000	24000	110000	15000	43000	23000	9300
7/11/1996		430	230	93	430	930	90	230	230
7/23/1996		930	93	430	390	230	210	150	230
8/6/1996		1400	4300	2300	9300	4300	2300	430	23000
8/29/1996		43	230	120	43	430	43	93	93
9/10/1996		430	230	930	11000	930	11000	4600	4600
9/30/1996		430	430	430	430	430	150	30	90
10/15/1996		430	75	75	390	230	150	430	75
10/29/1996		430	430	23	93	43	43	93	43
11/19/1996		230	430	430	930	93	230	150	430
3/25/1997		430	43	930	230	230	930	230	93
4/22/1997		150	43	93	93	43	93	43	93
5/5/1997		90	90	90	90	30	30	40	150
5/28/1997		43	4	93	39	230	23	93	75
6/11/1997		230	93	43	75	43	23	75	93
6/23/1997		4300	2300	4300	1500	21000	2300	4300	2300
7/8/1997		4300	15000	2100	1500	9300	1500	400	4300
7/28/1997		430	430	640	1200	1500	1500	430	-9999999
8/12/1997		930	24000	11000	1500	1500	230	90	9300
8/27/1997		430	230	430	230	-9999999	430	90	390
9/22/1997		430	930	430	430	-9999999	90	30	40
9/30/1997		230	430	750	230	930	430	430	75
10/13/1997		930	2300	4300	210	-9999999	30	150	230
11/4/1997		230	230	20	27	-9999999	23	430	15
3/16/1998		43	93	93	43	230	75	43	39
4/14/1998		230	93	90	430	930	430	930	930
5/12/1998		150	75	39	75	43	39	23	9
5/26/1998		640	93	150	93	230	230	23	75
6/9/1998		75	43	280	23	430	43	43	93
7/1/1998		93	230	230	2400	2400	930	430	390
7/13/1998		93	230	43	150	93	43	93	43
8/5/1998		1500	46000	4300	24000	110000	240000	2300	9300
8/7/1998		9300	4300	4300	7500		21000	46000	46000
8/18/1998		230	430	430	230		430	230	40

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
9/9/1998		430	430	210	43	93	150	43	93
9/22/1998		120	390	230	230		230	93	23
10/15/1998		240	240	93	1100		75	93	240
11/3/1998		230	430	430	230		430	430	150
11/12/1998		4600	2400	4600	2100		4600	2400	2300
3/22/1999		93	93	23	93	9	2400	93	9
4/12/1999		1500	230	300	300			300	400
5/4/1999		23	23	23	15	23	93	150	75
5/18/1999		9300	24000	930	430		1500	2100	24000
6/7/1999		430	930	2300	9300	2300		46000	9300
6/14/1999		1500	2300	400	1400	23000	9300	15000	39000
7/13/1999		93	930	430	75	230	930	930	230
7/22/1999		9300	24000	9300	9300	7500	15000	9300	15000
8/10/1999		93	430	750	2400	430	2300	930	150
9/1/1999		43	93	390	43	230	39	93	43
9/13/1999		1500	430	11000	24000	43000	150000	700	150
10/6/1999		93	150	43	40	90		110	90
10/26/1999		230	93	9	7	140	930	430	40
11/8/1999		93	15	43	430	280		930	75
3/28/2000		230	23	230	43	430	93	930	93
5/3/2000		9	43	43	40	230	430	430	90
5/18/2000		9300	4300	4300	4300	9300	93000	93000	15000
5/30/2000		430	230	40	230	90	750	230	430
6/1/2000		900	900		1500		2300		2300
6/2/2000		9300	15000		9300		4300		21000
6/7/2000		93	230		430		230		930
6/20/2000		40	430	230	230	2300	230	230	2400
7/11/2000		930	230	430	2400	2300	2300	2300	930
7/31/2000		230	930	1500	930	2100	2300	930	43
8/17/2000		930	24000	2400	11000	4600	230	2400	2400
8/29/2000		210	150	750	430	430	430	930	430
9/12/2000		2300	24000	9300	9300	24000	7500	23000	15000
9/14/2000		2300	400	9300	9300		4300		4300
9/27/2000		430	230	230	930	430	430	2400	430
10/1/2000		43	39	230	93	4600	930	93	230
10/11/2000		75	930	43	43	230	90	90	150
10/26/2000		43	2400	150	2400	430	930	930	230
11/6/2000		93	430	43	150	230	930	930	43
11/21/2000		230	90	93	230	39	930	2300	930
2/9/2001		2300	400	2300	400		4300	90	4300

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
3/21/2001		390	23	150	43	90	40	430	90
4/11/2001		230	930	390	70	230	230	430	430
4/24/2001		430	140	93	93	40	90	9300	90
5/8/2001		230	230	150	4300	750	2300	9300	1500
5/15/2001		40	230	230	430	2300	930	1500	2300
6/5/2001		430	2300	390	70	230	230	400	2300
6/13/2001		2300	2300	2300	4300	46000	2300	230	9300
6/28/2001		93	430	93	230	930	930	4300	430
7/18/2001		930	4300	3900	46000	46000	2300	4300	110000
7/31/2001		930	930	430	140	430	930	750	40
8/15/2001		150	150	430	70	930	0	430	90
8/26/2001		900	9300	4300	9300		9300		86000
8/28/2001		430	11000	3900	1500	930	750	430	3900
9/11/2001		930	2400	1500	4300	2100	2100	930	430
10/17/2001		750	230	430	430	430	150	230	140
10/29/2001		93	930	390	93	230	750	930	90
11/14/2001		430	430	430	2300	1500	2300	2300	4300
11/27/2001		430	430	230	430	430	230	150	430
3/25/2002		43	9	43	15		230	430	230
4/8/2002		90	230	90	430		230	230	230
4/9/2002		930	430	230	230		390		930
4/22/2002		93	150	90	40	90	90	200	230
5/7/2002		43	20	43	15	2400	240	240	240
6/6/2002		430	930	1500	430	930	930	750	430
6/20/2002		43	93	43	43	230	230	93	230
7/2/2002		93	430	150	430	430	93	75	93
7/8/2002		75	93	430	390	93	390	93	43
7/9/2002		46000	2300	46000	240000	240000	240000	9300	110000
7/23/2002		93	23	93	23	930	150	390	2400
8/6/2002		230	230	93	230	1500	230	43	2100
8/13/2002		400	9300	4300	4300	15000	9300	9300	15000
9/4/2002		430	930	930	930	430	2400	11000	930
9/30/2002		930	2400	930	11000	11000	11000	1500	2400
10/7/2002		930	230	430	430	430	230	750	430
10/23/2002		230	930	30	230	150	430	210	90
11/6/2002		200	930	390	430	2300	2300	930	230
11/20/2002		90	150	0	750	230	2300	0	930
12/11/2002		43	43	75	93	930		230	90
3/25/2003		28	9	16	14	100	110	90	330
4/10/2003		16	33	19	33	93	180	130	280

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
4/24/2003		12	26	26	16	56	40	45	170
5/15/2003		40	80	61	90	120	120	250	160
5/29/2003		40	47	31	23	320	130	80	60
6/9/2003		110	320	770	1900	2100	2400	2000	1300
6/18/2003		45	70	77	19	240	70	83	14
7/9/2003		38	490	38	38	110	150	120	110
7/21/2003		73	120	130	14	130	29	130	450
8/7/2003		130	250	170	410	1300	270	370	11000
8/27/2003		120	320	130	23	180	73	290	240
9/9/2003		70	330	100	45	130	140	45	31
9/23/2003		150	500	1200	3300	2500	330	600	1400
10/8/2003		42	130	31	45	260	57	61	150
10/23/2003		33	230	93	190	370	120	120	61
10/25/2003		270	1900	3700	15000	15000	800	290	97
11/3/2003		770	1100	2300	4500		4700	4400	4500
11/18/2003		590	3800	2000			3900	110	130
12/8/2003		52	40	16		35	28	14	19
3/29/2004			460			420	350	440	480
4/13/2004		19	5	19		12	19	49	45
4/28/2004		35	35	26		38	31	77	79
5/12/2004		360	300	310		540	260	210	810
5/14/2004		1200	840	490		6800	5400	4400	9400
5/18/2004		390	760	460			1500		3000
5/22/2004		1000	4100	3700	1300	1600	5200	14000	
5/25/2004		160	530	270	300	67	300		490
6/7/2004		52	52	63	47	79	71	77	140
6/24/2004		220	600	190	87	410	110	300	200
7/7/2004		300	210	220	210		440	1400	390
7/29/2004		67	230	200	120	180	170	210	
8/11/2004		400	200	170	250	200	260	390	880
9/1/2004		73	140	100	83	130	90	160	310
9/16/2004		70	2000	1600	140	400	530	170	95
9/29/2004		52	190	210	59	130	210	140	68
10/18/2004		54	190	110	120	120	120	230	150
10/24/2004		560	690	860	1500	1800	4200	8800	2900
11/8/2004		70	93	68	110	52	120	120	63
11/23/2004		95	170	97	97	77	140	110	100
12/6/2004		450	1000	190	2000	240	540	49	70
3/22/2005		33	9	26	56	61	77	67	28
4/12/2005		67	45	31	31	38	16	35	14

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
4/25/2005		38	83	35	12	16	21	14	26
5/9/2005		14	45	75	38	110	28	180	190
5/23/2005		33	45	28	83	80	56	35	77
6/8/2005		77	160	230	1300	210	90	87	340
6/23/2005		31	93	40	21	220	48	130	45
7/6/2005		130	2400	290	120	310	100	210	230
7/18/2005		130	35	32	40	120	38	130	70
8/4/2005		100	290	130	210	79	40	270	230
8/18/2005		170	280	80	19	140	28	110	56
8/30/2005		200	230	210	200	200	50	240	90
9/12/2005		130	240	180	12	120	35	67	70
9/26/2005		570	1600	3900	32000	9400	9800	73000	40000
10/10/2005		150	920	130	100	110	47	110	77
10/24/2005		0	0	990	870	1900	990	250	550
11/7/2005		760	2700	1000	1000	1300	2100	5800	53000
11/17/2005		110	120	100	190	350	380	2200	520
12/6/2005		93	100	59	67	73		56	120
3/13/2006		500	230	110	680	610	570	500	340
3/22/2006		40	38	28	33	54	40	47	28
4/3/2006			200		2000		2000		2600
4/25/2006		31	21	26	56	47	80	73	42
5/10/2006		92	73	230	150	410	150	130	1800
5/22/2006		100	110	120	140	200	350	230	120
6/5/2006		240	150	93	160	120	150	110	710
6/19/2006		440	420	3000	3300	1300	2200	15000	4800
7/6/2006		45	140	42	80	40	120	87	430
7/18/2006		70	73	77	140	100	200	200	540
7/20/2006		21000	5600	80000	8200	8200	1200	20000	58000
7/24/2006		11000							
8/2/2006		130	280	230	400	170	110	73	360
8/17/2006		160	120	14	150	49	97	49	350
8/29/2006		480	590	130	350	270	140	350	4800
9/13/2006		1200	1800	5000	8600	7600	2700	7000	15000
9/28/2006		390	190	110	380	290	170	190	370
10/17/2006		5600	3500	9600	10000	2500	330	460	27000
11/2/2006		56	67	52	73	97	35	110	2700
11/15/2006		140	97	130	140	120	120	130	380
12/6/2006		200	160	120	140	170	140	320	430
3/20/2007		35	16	21	19	23	42	31	23
4/2/2007		380	380	200	150	160	130	97	220

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
4/3/2007		1100	1900	910	1600	2900	5400	57000	3200
4/23/2007		87	140	33	1000	150	9	54	160
5/8/2007		33	28	28	28	26	23	73	120
5/22/2007		19	68	67	73	97	160	120	77
6/5/2007			2100	1400	1300	1500	2400	1600	2600
6/21/2007		90	230	380	390	590	550	540	590
7/2/2007		100	1900	160	190	120	110	110	70
7/17/2007		80	190	500	480	1900	450	1000	2100
7/24/2007		68	90	120	19	190	77	110	70
8/13/2007		120	800	280	6200	350	210	270	6400
8/20/2007		7000	6400	25000		22000	14000	27000	44000
9/10/2007		310	430	240	310	290	210	240	190
9/24/2007		80	470	200	370	290	170	97	340
10/11/2007		180	810	370	270	240	210	120	370
10/24/2007		190	83	83	150	150	250	200	420
11/5/2007		120	93	66	45	120	130	42	100
11/19/2007		59	35	54	130	370	390	1600	100
12/2/2007		130	170	190	330	270	32	10	100
1/9/2008		2100	2400	2000	1900	1500	1800	1000	2400
3/12/2008		280	310		190	180		320	160
4/8/2008		150	180	110	90	87	110	93	87
4/11/2008		3000	2100	1200	1200	1000	1600	2500	1400
4/22/2008		140	73	49	52	61	35	120	180
5/13/2008		16	40	21	31	26	19	430	390
5/21/2008		16	24	38	35	49	77	170	180
6/3/2008		47	150	80	120	130	200	80	160
6/8/2008		5800	12000	61000	10000	20000	13000	11000	15000
6/18/2008		220	170	190	150	160	210	170	180
6/30/2008		140	150	120	140	210	290	410	190
8/19/2008		90	330	120	100	77	61	80	52
9/9/2008		110	160	200	370	220	180	140	200
9/24/2008		90	150	190	100	70	99	97	170
10/6/2008		2900	1900	3800	16000	6800	1400	910	450
10/22/2008		70	420	110	140	200	350	1400	1200
11/4/2008		7	100	110	93	290	560	350	130
11/18/2008		45	19	49	47	110	400	33	350
11/25/2008		55	63	130	100	270	400	120	210
12/2/2008		77	230	180	290	380	220	510	1200
2/10/2009		280	420	400	240	370		1100	470
3/25/2009		70	66	77	430	310	420	440	210

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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	
4/13/2009		64	16	24	14	19	14	45	56
4/27/2009		1600	2700	4400	0	0	1600	4000	3000
5/14/2009		350	840	570	950	1300	1200	1400	2500
5/27/2009		95	40	410	470	300	170	0	1100
6/8/2009		610	650	1400	1200	4300	2000	340	440
6/19/2009		310	2500	2700	10000	29000	20000	18000	27000
7/9/2009		54	110	330	200	150	110	450	150
7/22/2009		400	190	160	200	180	130	360	110
8/4/2009		73	210	160	110	140	80	71	80
8/19/2009		140	200	210	300	140	61	83	120
8/26/2009		210		2800	6400	32000	39000	310	260
9/16/2009		70		200	210	190	42	140	290
9/29/2009		510	580	810	960	1600	1800	3700	3000
10/13/2009		70	80	150	93	67	54	54	180
10/27/2009		200	210	0	420	460	0	1200	550
11/3/2009		130		73	73	90	68	130	100
11/17/2009		80	49	31	67	52	45	9	31
12/1/2009		100	90	70	80	78	90	76	96
2/22/2010		110		60	87	55			19
3/8/2010		45	28	67	35	38			42
3/30/2010		110	16	49	31	45	33	47	40
4/13/2010		67	73	33	47	42	14	70	33
4/29/2010		97	49	70	73	87	77	77	52
5/12/2010		570	350	650	570	0	0	0	1100
5/24/2010		42	40	56	67	33	61	70	110
6/8/2010		32	200	140	200	220	200	190	150
6/16/2010		340	600	4400	5000	13000	20000	20000	19000
6/24/2010		300	290	480	1400	6800	16000	4800	2500
7/6/2010		67	110	160	160	520	230	77	160
7/9/2010		150	570	570	910		1100		4400
7/15/2010		4400	6600	24000	42000	29000	21000	34000	76000
7/23/2010		23000	6200	16000	11000		26000		90000
8/9/2010		3600	4800	1900	130000	4800	1800	8800	18000
8/25/2010		110	160	270	410	530	470	260	310
8/30/2010		130	150	58	300	310	200	420	160
9/20/2010		100	240	320	510	420	440	760	1800
10/4/2010		87	180	110	170	180	200	130	77
10/20/2010		110	38	80	110	77	19	16	54
11/3/2010		67	100	77	120	83	120	80	330
11/15/2010		77	260	90	280	1000	1900	260	120

MMSD Milwaukee River Water Quality Data (1981-2010)
 FECAL COLIFORM (CFU/100 mL)

Collection Date	Swimming Season (6/15-9/15)	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
11/23/2010		110	390	490	590	1200	5600	760	110
12/7/2010		180	38	47	70	45		45	70

Red Font designates values that exceed the WDNR limit for surface water of 200 CFU/100 mL