

2020 BIG GREEN LAKE WATER QUALITY REPORT SHOWING AVERAGES 1989 - 2020

GREEN LAKE SANITARY DISTRICT, GREEN LAKE COUNTY, WISCONSIN, USA  
BACTERIA AT BEACHES & TRIBUTARIES AND  
SECCHI DISK AND SURFACE WATER TEMPERATURE DATA AT TWO DEEP-WATER STATIONS

Date	BEACHES											IN LAKE MONITORING				TRIBUTARY SAMPLING		Date
	PILGRIM CAMP	DOODGE CTY PARK - BEACH	DOODGE CTY PARK - WEST	DOODGE CTY PARK - BEE SITE	HATTIE SHERWOOD	COUNTY PARK - INLET	GLCC	CAMP GROW	Secchi Disk (Feet)		Temperature (oF)		SILVER CRK KMART	SPAILDINGS BRIDGE				
	Escherichia coli	Escherichia coli	Escherichia coli	Escherichia coli	Escherichia coli	Escherichia coli	Escherichia coli	Escherichia coli	WEST	EAST	WEST	EAST	Escherichia coli	Escherichia coli				
15-May-20									11.5	9.5	48.0	47.0			15-May			
21-May-20									8.5	9.5	52.0	51.0			21-May			
26-May-20	5.0	-1.0	-1.0	-1.0	8.0	4.0	-1.0						60.0	101.0	Sunny day water was very cold			
1-Jun-20	-1.0	4.0	2.0	-1.0	20.0	8.0	1.0						96.0	96.0	Cloudy mid 60s water was cold and clear			
4-Jun-20									4.2	4.0	67.0	73.0			4-Jun			
8-Jun-20	-1.0	11.0	6.0	5.0	8.0	133.4	-1.0						133.0	116.0	Sunny upper 70s 12 mph wind Lake was clear			
15-Jun-20	-1.0	5.0	26.0	3.0	2.0	3.0	-1.0						157.0	194.0	Sunny 65 degrees 9 mph wind			
18-Jun-20									8.5	7.0	72.0	73.0			18-Jun			
22-Jun-20	-1	-1	67	5	9	-1	3						411	152	Partly Cloudy 65 to 70 bet the rain storm			
25-Jun-20									14.5	12.5	72.0	73.0			25-Jun			
27-Jun-20	-1.0	-1.0	6.0	1.0	4.0	-1.0	12.0						179.0	50.0	82 degrees, very humid, partly cloud			
4-Jul-20									14.5	12.0	82.0	80.0			4-Jul			
7-Jul-20	24	4	34	10	10	10	55						1203.0	1733.0	80 degrees, very humid, sunny			
13-Jul-20	-1.0	5.0	2.0	3.0	2.0	2.0	10.0		12	9.5	81	80	206	116	76 degrees, water was warm, clear skies			
20-Jul-20	1.0	-1.0	9.0	1.0	14.0	2419.6	3.0						236	52	70 degrees, water was cloudy, clear skies and Sunny			
22-Jul-20						278.0									22-Jul			
24-Jul-20									14	11.5	84	76			24-Jul			
27-Jul-20	-1.0	15.0	44.0	18.0	5.0	238.0	34.0						1414.0	2420.0	27-Jul			
3-Aug-20	12.0	9.0	31.0	58.0	2.0	59.0	3.0						1300.0	629.0	60 degrees, 10 mph N, overcast, water was chilli			
6-Aug-20									9.5	9.5	76.0	76.0			6-Aug			
10-Aug-20	<1	6.0	74.0	6.0	41.0	112.0	57.0						326.0	1986.0	75 degrees, sunny, north wind at 15 mph			
12-Aug-20															12-Aug			
17-Aug-20	-1.0	2.0	1.0	1.0	6.0	8.0	10.0						260.0	361.0	17-Aug			
23-Aug-20															23-Aug			
24-Aug-20	2.0	4.0	2.0	1.0	4.0	16.0	11.0						365.0	326.0	24-Aug			
30-Aug-20									9.5	6.0	67.0	68.0			30-Aug			
31-Aug-20	7.0	-1.0	2.0	1.0	18.0	49.0	1.0						126.0	313.0	31-Aug			
5-Sep-20															5-Sep			
															Norwegian Bay Shallows 21 NB bullrush - 1			
Average	3	4	19	7	10	208	13	0	10.44	8.67	71.5	71.5	431.47	576.20	Average			
Maximum	24	15	74	58	41	2419.6	57	0	14.5	12.5	84	80	1414	2420	Maximum			
Minimum	-1	-1	-1	-1	2	-1	-1	0	4.2	4	48	47	60	50	Minimum			
2020 Avg	3.1	4.1	19.0	7.4	10.3	208.5	13.1	0	10.4	8.7	71.5	71.5	431.5	576.2	2019 Avg			
2019 Avg	21	115	19	12	11	9	29	0	18	16	73	74	340	244	2019 Avg			
2018 Avg	26	18			10	11	161	0	23	20	78	81	366	263	2018 Avg			
2017 Avg	6	25			18	4	15	0	12	13	64	63	542	176	2017 Avg			
2016 Avg	2	9			6	26	5	0	20	19	73	75	262	177	2016 Avg			
2015 Avg	10	17			7	32	27	2	32	38	68	70	431	376	2015 Avg			
2014 Avg	15	12			14	23	9	1	22	22	73	74	529	576	2014 Avg			
2013 Avg	5	19			26	4	11	5	21	24	73	76	147	474	2013 Avg			
2012 Avg	5	77			13	26	12	4	18	16	74	74	608	164	2012 Avg			
2011 Avg	3	5			4	14	6	2	17	14	76	76	451	227	2011 Avg			
2010 Avg	7	12			8	14	7	4	14.41	13.27	74.4	76.0	343.96	467.05	2010 Avg			
2009 Avg	1	2			-1	-1	-1	1	4.13	4.25	80.00	80.00	130.00	84.00	2009 Avg			
2008 Avg	63	249			27	89	22	15	12.38	9.97	67.25	67.56	660.83	405.75	2008 Avg			
2007 Avg	22	39			21	7	11	3	13.81	12.73	70.38	71.91	814.36	639.50	2007 Avg			
2006 Avg	8	20			10	11	64	5	15.07	14.64	70.77	72.71	600.36	484.07	2006 Avg			
2005 Avg	4	70			10	7	27	3	16.68	15.88	72.76	73.53	839.00	189.00	2005 Avg			
2004 Avg	3	8			11	12	26	2	14.50	12.85	69.82	70.06	284.78	308.00	2004 Avg			
2003 Avg	11	9			8	11	25	6	14.43	12.97	70.26	69.84	559.26	554.75	2003 Avg			
2002 Avg	49	20			17	13	142	10	12.43	11.50	70.6	71.1	767	1448	2002 Avg			
2001 Avg	18	12			26	12	25	9	14.46	12.96	71.3	71.4	344	218	2001 Avg			
2000 Avg	31	18			13	13	417	12	16.00	14.30	69.4	69.4	311	182	2000 Avg			
1999 Avg	18	32			13	22	28	13	17.60	14.80	72.3	72.6	700	1464	1999 Avg			
1998 Avg	9	17			12	15	85	7	13.80	12.80	73.3	73.5	372	115	1998 Avg			
1997 Avg	69	58			15	94	290	47	10.20	10.00	69.4	69.7	1272	759	1997 Avg			
1996 Avg	262	1192			157	1480	192	192	12.10	11.70	70.0	69.9	4065	1998	1996 Avg			
1995 Avg	51	70			83	27		49	12.80	11.80	68.4	68.2	745	279	1995 Avg			
1994 Avg	10	51			13	63		5	11.80	9.10	69.7	70.3	2928	881	1994 Avg			
1993 Avg	131	225			41	137		497	10.70	7.80			557	732	1993 Avg			
1992 Avg	91	35			48	227		123	19.90	17.40			646	580	1992 Avg			
1991 Avg	52	34			37	NR		44	16.10	14.70			1162	450	1991 Avg			
1990 Avg	118	42			4	NR		9	12.40	11.40			1851	768	1990 Avg			
1989 Avg	10	44			9	NR		6	15.00	12.50			1176	518	1989 Avg			

**SAMPLING:** Lake samples taken 1 foot below the surface in 3 to 6 feet of water.

Tributary samples collected from the surface.

**NA:** No reading, lab had problems with sample.

**ENTEROCOCCUS:** 33 MPN/100 ML (average of 5 samples in 30 days) or a one-time sample of 61 MPN/100 ML  
UNITS = COLONIES/100 ML (MPN/100 ML)

2003 - State recommended changes to use Escherichia coli and 126/100 ML (5 samples) or 235/100ML (single sample)

**ANALYSIS:** Wisconsin Lab of Hygiene (2000-2020)

Consultant Physicians in Pathology, S.C., Beaver Dam, WI (1989-1999)

**STANDARDS:** Wisconsin Administrative Code HSS 171

\*OG\* - Refers to results to high to count.