

2018 Lake Owassa Water Quality Results

May Test

Monday, May 28, 2018

2:30pm - 3:30pm

66°F, cloudy, light rain in morning

Wind: ENE 5 mph

Location	Depth feet	DO % Sat	DO mg/L	Temp °F	Conductivity mS/cm	pH Units	Turbidity NTU	NH4+ mg/L-N	NO3- mg/L-N	Secchi Disk	Phosphates mg/L	Chlorophyll a µg/L	Salinity ppt	
cove	1	88.8	6.64	67.70	0.1397	7.17	1.8	0.13	1.76	29.5"	0.031	10.00	0.06	
outlet	1	93.8	7.00	67.80	0.1397	7.17	1.6	0.12	1.98		0.024	8.36	0.06	
mid-lake 1	1	95.3	7.06	67.70	0.1397	7.19	1.9	0.11	2.27			7.36	0.06	
mid-lake 3	3	96.5	7.23	67.30	0.1399	7.2	2.4	0.11	2.87			7.25	0.06	
mid-lake 6	6	95.8	7.17	67.00	0.1396	7.16	2.4	0.1	2.74			7.25	0.06	
mid-lake 10	10	78.6	6.28	62.30	0.1368	6.72	2	0.09	2.76			5.14	0.06	
mid-lake 15	15	52.2	4.34	59.70	0.146	6.51	2.9	0.13	3.47			6.80	0.06	
stream	1	90.1	6.76	67.70	0.1404	7.17	3.4	0.11	2.63			0.023	7.42	0.06
upper lake	1	93.3	6.92	67.80	0.1404	7.12	2.04	0.11	2.64				6.16	0.06
storm drain	1	87.8	6.21	68.00	0.1391	6.55	2.2	0.11	2.83				8.18	0.06
inlet	1	91.5	6.93	67.80	0.1384	6.81	2.3	0.1	2.81			0.026	6.55	0.06

> 70 fair	> 4 Fair	< 80 = good	< 0.5	6.5 - 8.2	< 40 good	< 1 = good	< 5=fair	< 0.1 = good	2 to 12µ/L	< 1 good
>90 Excellent	> 6 Best		good	optimal	< 10 best		< 3 = good		acceptable	
							< 2 = excellent			

August Test

Thursday, August 23, 2018

4pm - 5:30pm

70°F, Sunny, 20% cloud cover

Wind: NW 10 mph

Location	Depth feet	DO % Sat	DO mg/L	Temp °F	Conductivity mS/cm	pH Units	Turbidity NTU	NH4+ mg/L-N	NO3- mg/L-N	Secchi Disk	Phosphates mg/L	Salinity ppt
cove	1	112.7	7.86	78.10	0.1421	8.32	4.5	0.07	1.54	25"	0.032	0.06
outlet	1	116.9	7.71	78.30	0.1415	8.31	4.8	0.07	3.37		0.028	0.06
lower lake 1	1	108.4	7.54	77.80	0.1417	8.14	6.1	0.07	2.84		0.06	
lower lake 18	18	10.5	1.02	65.40	0.1922	6.86	6	0.54	3.79		0.09	
mid-lake 1	1	112.7	7.70	77.20	0.1411	8.09	4.9	0.06	2.81		0.06	
mid-lake 3	3	100.4	7.06	76.50	0.1409	7.64	5.3	0.06	2.21		0.06	
mid-lake 6	6	83.5	5.94	75.50	0.141	7.12	5.4	0.06	2.15		0.06	
mid-lake 10	10	61.5	4.61	74.30	0.1444	6.88	4.8	0.08	2.25		0.06	
mid-lake 15	15	10.4	1.21	69.30	0.199	6.83	6.9	0.48	2.99		0.09	
stream	1	107.8	7.51	77.30	0.1421	8.08	5	0.07	2.77		0.028	0.06
upper lake	1	110.4	7.68	77.40	0.1414	7.99	5.3	0.06	3.15		0.06	
storm drain	1	107.8	7.32	77.80	0.1408	7.86	4.5	0.06	2.55		0.06	
inlet	1	109.5	7.46	77.50	0.1402	7.84	5.6	0.06	2.5		0.034	0.06

> 70 fair > 4 Fair < 80 = good < 0.5 6.5 - 8.2 < 40 good < 1 = good < 5=fair < 0.05 = best < 1 good
 >90 Excellent > 6 Best good optimal < 10 best < 3 = good < 2 = excellent

October Test

Thursday, October 18, 2018

4pm - 5:30pm

47°F, Sunny, no cloud cover

Wind: NW 10-15 mph

Location	Depth feet	DO % Sat	DO mg/L	Temp °F	Conductivity mS/cm	pH Units	Turbidity NTU	NH4+ mg/L-N	NO3- mg/L-N	Secchi Disk	Phosphates mg/L	Salinity ppt
cove	1	112.7	8.77	57.70	0.1269	7.22	4.5	0.07	1.54	32"	0.038	0.05
outlet	1	116.9	7.26	57.70	0.1281	7.23	4.8	0.07	3.37		0.034	0.05
mid-lake 1	1	112.7	6.91	57.50	0.1259	7.14	4.9	0.06	2.81		0.05	
mid-lake 3	3	100.4	6.89	57.40	0.1258	7.11	5.3	0.06	2.21		0.05	
mid-lake 6	6	83.5	6.91	57.40	0.126	7.13	5.4	0.06	2.15		0.05	
mid-lake 10	10	61.5	5.85	57.40	0.1261	7.18	4.8	0.08	2.25		0.05	
mid-lake 15	15	10.4	3.95	57.20	0.1259	7.13	6.9	0.48	2.99		0.06	
stream	1	107.8	6.57	57.70	0.1255	7.06	5	0.07	2.77		0.047	0.05
upper lake	1	110.4	7.68	57.60	0.125	7.1	5.3	0.06	3.15		0.05	
storm drain	1	107.8	7.32	56.90	0.1227	7.08	4.5	0.06	2.55		0.05	
inlet	1	109.5	7.46	56.70	0.1242	6.9	5.6	0.06	2.5		0.033	0.05

> 70 fair > 4 Fair < 80 = good < 0.5 6.5 - 8.2 < 40 good < 1 = good < 5=fair < 0.05 = best < 1 good
 >90 Excellent > 6 Best good optimal < 10 best < 3 = good < 2 = excellent