

2014 Lake Erie Ambient Stations - Water Quality

300892 Lake Erie Near Conneaut															
Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
5/14/2014	94.4	< 0.05	94.4	< 5	25.6	3.4	311	No Sample	0.46	< 0.02	0.0024	8.16	0.4 J	21.2	0.35
6/4/2014	93.1	< 0.05	93.1	< 5	23.9	2.1	303	No Sample	0.55	< 0.02	< 0.001	8.18	0.3 J	22	0.27
7/2/2014	88.3	< 0.05	88.3	< 5	23.2	2.6	291	No Sample	0.35	< 0.02	< 0.001	8.44	0.6 J	21.7	<0.2
9/3/2014	96.3	< 0.05	96.3	< 5	17.9	3.3	284	No Sample	0.12	< 0.02	0.0011	8.38	0.5 J	18.5	0.29
300895 Lake Erie Near Rocky River															
Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/21/2014	96.6	< 0.05	96.6	< 5	27.1	7.8	325	No Sample	0.73	< 0.02	0.0057	7.7	<2.3 UJ	23.5	0.38
5/20/2014	90.4	< 0.05	90.4	< 5	21.5	12.1	298	No Sample	0.44	< 0.02	0.0013	8.29	2.7 J	22.5	0.28
6/9/2014	96.1	< 0.05	96.1	< 5	18.8	1.9	285	No Sample	0.21	< 0.02	< 0.001	8.17	0.4 J	20.6	<0.2
7/10/2014	93.1	< 0.05	93.1	< 5	20.4	2.8	290	No Sample	0.4	< 0.02	0.0014	8.37	0.7 J	20.4	0.22
8/6/2014	95.6	< 0.05	95.6	< 5	21.8	5.6	302	No Sample	0.17	< 0.02	< 0.001	8.64	<1.4 UJ	20.2	<0.2
9/10/2014	97.7	< 0.05	94.2	< 5	20.6	6	293	No Sample	0.13	< 0.02	0.0013	8.49	<1.4 UJ	20.2	0.3
300897 Lake Erie Near Huron															
Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/16/2014	97.2	< 0.05	97.2	< 5	27.9	10.4	320	No Sample	0.96	< 0.02	0.0063	8.07	2.5 J	19.2	0.63
5/14/2014	93.3	< 0.05	93.3	< 5	17.8	3.3	312	No Sample	0.28	< 0.02	0.0013	8.18	0.2 J	19.7	0.3
6/5/2014	89.4	< 0.05	89.4	< 5	20.3	3.8	284	No Sample	0.46	< 0.02	< 0.001	8.29	1.4 UJ	21.1	0.74
6/12/2014	90.8	< 0.05	90.8	< 5	18.6	3.6	270	<0.3	0.35	< 0.02	< 0.001	8.43	0.7 UJ	17.7	<0.2
6/25/2014	93	< 0.05	93	< 5	18.4	3.5	276	<0.3	0.36	< 0.02	0.0014	8.2	0.8 UJ	19.2	0.22
7/10/2014	93.1	< 0.05	93.1	< 5	19.3	4.3	286	<0.3	0.36	< 0.02	< 0.001	8.5	0.9 UJ	20.3	<0.2
8/6/2014	94	< 0.05	94	< 5	19.5	8.4	296	<0.3	0.17	< 0.02	< 0.001	8.69	2 J	19.6	0.22
8/27/2014	95.6	< 0.05	95.6	< 5	18.5	7.3	286	<0.3	0.1	< 0.02	0.0015	8.4	1.9 UJ	19.6	0.29
9/29/2014	101	< 0.05	98.4	< 5	19.2	18.9	293	<0.3 UJ	0.1	< 0.02	< 0.001	8.57	1.4 UJ	19.3	0.21

2014 Lake Erie Ambient Stations - Water Quality

300898 Lake Erie Near West Sister Island

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/17/2014	88.8	< 0.05	88.8	< 5	15.1	1.4	255	No Sample	0.35	< 0.02	0.0053	8.05	0.7 J	16.5	0.26
5/13/2014	99.3	< 0.05	99.3	< 5	24	13.4	327	No Sample	1.19	< 0.02	0.0174	8.11	<3.1UJ	23.4	0.32
6/10/2014	89	< 0.05	89	< 5	18.7	5	282	< 0.3	0.4	< 0.02	0.0041	8.21	0.6	19.9	<0.2
6/24/2014	97.8	< 0.05	97.8	< 5	21	7.2	288	< 0.3	0.44	< 0.02	0.0025	8.39	1.9	20.6	0.24
7/9/2014	85.3	< 0.05	85.3	< 5	13.4	6	247	0.41	0.35	< 0.02	0.0019	8.33	<1.4UJ	16.3	<0.2
7/22/2014	91.8	< 0.05	91.8	< 5	16.8	5.4	275	< 0.3	0.34	< 0.02	0.0021	8.64	1.3	18.6	0.22
8/5/2014	81.3	< 0.05	81.3	5.2	14.1	10.1	250	1.3	0.22	< 0.02	0.0015	8.83	<1.9UJ	16.7	<0.2
8/26/2014	81.2	< 0.05	81.2	6.5	15	18.5	247	1.7	< 0.1	< 0.02	0.0018	8.86	<4UJ	18	<0.2
9/9/2014	88.2	< 0.05	88.2	7.2	13.7	17.6	245	0.65	< 0.1	< 0.02	0.0014	8.78	<5.6UJ	16.5	<0.2
9/25/2014	90.6	< 0.05	90.6	< 5	15.4	7.1	260	< 0.3 UJ	0.24	< 0.02	0.0039	8.24	1J	17.8	0.35

300900 Sandusky Bay Near Johnson's Island

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/16/2014	111	< 0.05	111	< 5	34.5	25.4	446	No Sample	1.98	< 0.02	0.0194	8.18	4.5 J	53.2	0.78
5/19/2014	104	< 0.05	104	< 5	33.4	72.1	479	No Sample	1.26	< 0.02	<0.001	8.88	5.7 J	82	0.57
6/5/2014	92.5	< 0.05	92.5	< 5	25.2	54.2	328	No Sample	0.25	< 0.02	0.0021	8.5	5.9 J	37.6	0.29
6/12/2014	89.2	< 0.05	74.6	14.5	32	96.5	400	2	< 0.1	< 0.02	0.0195	9.16	<5.6 UJ	63.6	0.54
6/25/2014	104	< 0.05	95.7	8	32.5	112	448	5.4	< 0.1	< 0.02	0.0303	8.74	<5.6 UJ	76.9	0.65
7/10/2014	99.9	< 0.05	94	5.9	23	55.4	347	3	< 0.1	< 0.02	0.0048	8.78	<5.6 UJ	37.5	<0.2
7/24/2014	104	< 0.05	99.9	< 5	21.7	38	332	1.1	< 0.1	< 0.02	0.0098	8.56	4.3 J	33.6	0.62
8/27/2014	89.6	< 0.05	78.7	10.9	22	67.2	322	3.7	< 0.1	< 0.02	0.0034	8.85	7.7 J	35.4	0.88
9/29/2014	102	< 0.05	91.5	10.8	19.7	36.5	326	0.74 J	< 0.1	< 0.02	0.0091	8.95	2.8 UJ	30.3	0.43

2014 Lake Erie Ambient Stations - Water Quality

301076 Lake Erie Near Middle Bass Island

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/17/2014	96	< 0.05	96	< 5	24.1	4.6	299	No Sample	0.38	< 0.02	0.0032	8.04	<1.1UJ	18.1	0.52
5/7/2014	92.7	< 0.05	92.7	< 5	27.7	6.4	325	No Sample	1.6	0.021	0.039	8	1.4J	21.7	0.42
6/2/2014	90.4	< 0.05	90.4	< 5	16.6	3.3	269	< 0.3	0.53	< 0.02	0.0011	8.3	0.7J	19	<0.2
6/11/2014	91	< 0.05	91	< 5	16.3	2.5	264	< 0.3	0.33	< 0.02	0.0015	8.29	<0.9UJ	18.2	<0.2
6/24/2014	86	< 0.05	86	< 5	12.3	3.8	244	< 0.3	0.38	< 0.02	0.0017	8.35	0.9J	16.7	<0.2
7/9/2014	91.9	< 0.05	91.9	< 5	21.3	18.6	293	< 0.3	0.6	< 0.02	0.0041	8.5	<1.4UJ	20	<0.2
7/22/2014	90.3	< 0.05	90.3	< 5	13.6	3.8 J	257	< 0.3	0.27	< 0.02	0.0019	8.52	<0.8UJ	17.7	<0.2
8/6/2014	85.2	< 0.05	85.2	< 5	15	8.7	262	2	0.21	< 0.02	0.0024	8.68	<1.9UJ	17.9	<0.2
8/26/2014	83.7	< 0.05	73.4	10.3	14.1	18.7	246	1.5	< 0.1	< 0.02	0.0015	8.92	<4UJ	17.7	0.21
9/9/2014	89.2	< 0.05	80.6	8.7	14.1	21	249	0.97	< 0.1	< 0.02	0.0027	8.82	<5.6UJ	16.6	<0.2
9/25/2014	84.2	< 0.05	84.2	< 5	18.3	19.8	264	< 0.3 UJ	< 0.1	< 0.02	0.0067	8.5	<2.8UJ	20.8	0.31

301254 Lake Erie Near Geneva

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
5/14/2014	90.3	< 0.05	90.3	< 5	26.4	4	313	No Sample	0.74	< 0.02	No Sample	8.11	0.5 J	21.6	0.39
6/4/2014	91	< 0.05	91	< 5	23	2	300	No Sample	0.54	< 0.02	<0.001	8.22	0.4 J	21.5	0.25
7/2/2014	91.8	< 0.05	91.8	< 5	22.8	3	293	No Sample	0.29	< 0.02	0.0016	8.38	0.5 J	21.9	<0.2
8/11/2014	94.7	< 0.05	94.8	< 5	19.8	2.4	291	No Sample	0.15	< 0.02	0.0011	8.2	0.4 J	19.8	<0.2
9/3/2014	94	< 0.05	94	< 5	17.8	2.6	286	No Sample	0.12	< 0.02	0.0013	8.37	0.4 J	18.4	0.68

301255 Lake Erie Near Fairport Harbor

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/30/2014	92.3	< 0.05	92.3	< 5	32.8	5.2	336	No Sample	0.7	< 0.02	0.0021	8.13	0.5 J	22.2	0.26
5/27/2014	93	< 0.05	93	< 5	23.7	4.4	305	No Sample	0.39	< 0.02	0.0016	8.28	<1.4UJ	22.2	0.3
6/12/2014	94.8	< 0.05	94.8	< 5	22.1	1	295	No Sample	0.28	< 0.02	<0.001	8.24	0.2J	20.5	<0.2
7/9/2014	91.9	< 0.05	91.9	< 5	21.2	1.3	289	No Sample	0.3	< 0.02	0.0063	8.28	0.3J	19.3	<0.2
7/30/2014	92.7	< 0.05	92.7	< 5	18.8	2.4	286	No Sample	0.13	< 0.02	0.0012	8.38	0.2J	19.2	<0.2
9/9/2014	93.4	< 0.05	93.4	< 5	18.5	3.4	287	No Sample	0.11	< 0.02	<0.001	8.37	0.6J	19.3	0.23

2014 Lake Erie Ambient Stations - Water Quality

301256 Lake Erie Near Wildwood

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/30/2014	91.7	< 0.05	91.7	< 5	23.4	9.9	307	No Sample	0.65	< 0.02	0.0016	8.12	<2.1UJ	21	0.2
5/27/2014	92.3	0.067	92.3	< 5	20.6	5	295	No Sample	0.26	< 0.02	0.001	8.26	<1.7UJ	21.2	0.3
6/12/2014	94.6	< 0.05	94.6	< 5	21.7	1.2	297	No Sample	0.21	< 0.02	0.0012	8.23	0.3J	20.7	<0.2
7/9/2014	111	< 0.05	96.7	14.7	22.7	3.3	297	No Sample	0.34	< 0.02	0.0039	8.25	0.8J	19.3	<0.2
7/30/2014	95.6	< 0.05	95.6	< 5	22.9	6.6	300	No Sample	0.19	< 0.02	0.0042	8.33	<1.4UJ	20.3	0.21
9/9/2014	93.3	< 0.05	90.2	< 5	18.5	3.3	286	No Sample	< 0.2	< 0.02	<0.001	8.5	0.5J	19.2	0.24

301257 Lake Erie Near Lorain

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/21/2014	95.1	< 0.05	95.1	< 5	30	15	337	No Sample	1.08	< 0.02	0.0035	7.82	<2.3UJ	23	0.97
5/20/2014	91.2	< 0.05	91.2	< 5	19.2	5.8	287	No Sample	0.3	< 0.02	<0.001	8.23	<1.4UJ	20.7	<0.2
6/9/2014	93.3	< 0.05	93.3	< 5	19.1	2.4	283	No Sample	0.32	< 0.02	<0.001	8.48	0.5J	20.6	<0.2
6/25/2014	91.4	< 0.05	91.4	< 5	19	1.9	275	< 0.3	0.38	< 0.02	0.0017	8.33	<0.7UJ	19.8	<0.2
7/10/2014	90.2	< 0.05	90.2	< 5	19.8	4.6	287	No Sample	0.4	< 0.02	<0.001	8.42	0.8J	20.4	0.28
8/6/2014	93.1	< 0.05	93.1	< 5	20.1	5.8	297	No Sample	0.18	< 0.02	<0.001	8.51	<1.4UJ	19.6	<0.2
9/10/2014	95.8	< 0.05	91.9	< 5	19.4	5.8	287	No Sample	< 0.1	< 0.02	<0.001	8.51	<1.4UJ	19.6	0.24

301258 Lake Erie Near Toledo Harbor Lighthouse

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/9/2014	87.5	0.069	87.5	< 5	26.3	2.7	292	No Sample	0.75	< 0.02	0.01	7.64	0.9J	18.9	
5/6/2014	123	< 0.05	123	< 5	38.6	48.5	447	No Sample	3.73	0.04	0.0647	7.99	16.2J	38.1	0.36
5/27/2014	94.7	< 0.05	94.7	< 5	21.3	4.8	298	No Sample	0.51	< 0.02	<0.001	8.36	<1.4UJ	20.7	0.2
6/9/2014	96.8	< 0.05	96.8	< 5	22.2	5.7	309	< 0.3	0.82	< 0.02	0.0089	8.29	1.7J	24	0.29
6/23/2014	92.9	< 0.05	92.9	< 5	25.4	3.4	302	0.57	0.73	0.021	0.0193	8.08	<1.4UJ	24	0.38
7/2/2014	92.3	< 0.05	92.3	< 5	22.4	2.3	288	< 0.3	0.48	< 0.02	0.0053	8.21	0.6J	24	0.2
7/21/2014	171	< 0.05	171	< 5	21.5	6.1	1010	0.4	0.49	< 0.02	0.0011	7.61	<1.4UJ	22	0.24
8/4/2014	95.5	< 0.05	87	8.5	20.6	19.1J	298	2.3	0.41	< 0.02	0.0014	9.01	<3.5UJ	22.1	0.21
8/25/2014	92.6	< 0.05	82.3	10.3	22	24.9	276	3.2	< 0.1	< 0.02	0.0153	9.01	3.8J	23.7	0.21
9/8/2014	83.5	< 0.05	78	5.6	16.1	21.9	253	< 0.3	< 0.1	< 0.02	0.003	8.85	3.5J	18.2	0.22
9/23/2014	87.8	< 0.05	87.8	< 5	21.8	15.9	284	0.61	< 0.1	< 0.02	0.0278	8.24	2.8UJ	24	0.38

301259 Lake Erie Near Cedar Point

2014 Lake Erie Ambient Stations - Water Quality

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/16/2014	89	< 0.05	89	< 5	29.6	5.9	318	No Sample	0.74	< 0.02	0.0089	8.25	<1.4UJ	19.4	0.34
5/19/2014	86.1	< 0.05	86.1	< 5	19.6	9.1	275	No Sample	0.46	< 0.02	0.0014	8.51	1.7J	19	0.24
6/5/2014	89.5	< 0.05	89.5	< 5	17.6	4.5	268	No Sample	0.33	< 0.02	<0.001	8.42	<1.4UJ	19.1	<0.2
6/12/2014	91.3	< 0.05	91.3	< 5	19.5	4.7	281	< 0.3	0.47	< 0.02	0.0019	8.25	<0.9UJ	19	<0.2
6/25/2014	90.7	< 0.05	90.7	< 5	18.2	6.8	278	< 0.3	0.37	< 0.02	0.0024	8.19	1.5J	19.3	0.27
7/10/2014	93.3	< 0.05	92.4	< 5	19.7	3.5	281	< 0.3	0.38	< 0.02	0.0011	8.45	<0.8UJ	19.6	<0.2
8/6/2014	90.1	< 0.05	90.1	< 5	18.9	7.1	294	< 0.3	0.16	< 0.02	<0.001	8.64	1.8J	19.9	0.21
8/27/2014	89.3	< 0.05	82.7	6.7	17.3	10.8	275	0.3	< 0.1	< 0.02	0.0011	8.69	<3.5UJ	19.7	0.29
9/17/2014	97.7	< 0.05	97.7	< 5	19.2	10.7	289	< 0.3	< 0.1	< 0.02	0.004	8.31	2.2J	20.4	<0.2
9/29/2014	99.1	< 0.05	94.6	< 5	18	12.6	290	< 0.3	< 0.1	< 0.02	<0.001	8.66	2.3J	19.5	0.41

301641 Maumee River dnst. I-280

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/9/2014	104	0.083	104	< 5	31.6	5	382	No Sample	5.95	0.033	0.1185	7.58	2.6J	39.7	
5/6/2014	169	< 0.05	169	< 5	61.9	90.4	670	No Sample	2.65	0.026	<0.001	8.53	18.8J	78.3	0.87
5/27/2014	156	0.114	156	< 5	34.7	25.5	521	No Sample	6.9	0.126	0.0801	7.94	5.9J	44.2	0.84
6/9/2014	151	< 0.05	151	< 5	44.4	67.7	539	0.58	2.93	0.1	0.0093	8.57	19.4J	54.3	0.79
6/23/2014	127	0.077	121	6.1	41.7	86.5	530	< 0.3	10.6	0.156	0.0309	8.69	47.6J	41.5	1.77
7/2/2014	114	< 0.05	114	< 5	24.9	19.8	426	< 0.3	9.72	0.168	0.1674	7.9	9.2J	29.3	0.99
7/21/2014	150	< 0.05	136	13.5	40.2	172	540	< 0.3	3.34	0.1	0.0301	8.78	17.3J	48.6	0.83
8/4/2014	108	0.242	108	< 5	39.1	73.7J	429	0.43	1.08	0.11	0.0505	8.16	22.4J	41.7	0.99
8/25/2014	136	0.233	132	< 5	64.3	63.6	565	0.32	0.17	0.027	0.0511	8.42	38.5J	63.3	0.95
9/8/2014	136	< 0.05	136	< 5	66.9	30.6	623	< 0.3	0.51	0.477	<0.001	7.83	20.6J	63.8	0.55
9/23/2014	110	0.204	110	< 5	36.4	27	413	< 0.3	2.32	0.059	0.1016	7.86	15.9J	36.3	0.79

301788 Maumee Bay Near Woodtick Peninsula

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
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2014 Lake Erie Ambient Stations - Water Quality

4/9/2014	107	0.083	107	< 5	48.7	5.2	442	No Sample	4.72	0.026	0.0859	7.76	1.7J	45.7	
5/6/2014	149	< 0.05	149	< 5	51.6	75.8	564	No Sample	2.27	0.026	0.001	8.61	14.2J	56.9	0.76
5/27/2014	135	< 0.05	135	< 5	47	37.5	523	No Sample	5.39	0.082	0.0152	8.29	6.1J	46.8	0.48
6/9/2014	126	< 0.05	126	< 5	40.4	24.5	482	< 0.3	3.17	0.063	0.0082	8.44	9.6J	46.1	0.56
6/23/2014	122	0.207	122	< 5	48.3	10.2	521	< 0.3	4.87	0.119	0.0654	8.07	3.1J	49.1	1.05
7/2/2014	102	< 0.05	86.6	15	32.6	39.1	375	5.5	2.77	0.071	0.0077	9.08	6J	33.1	0.36
7/21/2014	106	< 0.05	98.6	7.8	29.7	16	418	0.63	2.76	0.034	0.0255	8.71	<1.4UJ	32.7	0.64
8/4/2014	79.4	< 0.05	58.6	20.8	29.8	56.8	320	13	0.56	< 0.02	0.0017	9.54	<2.8UJ	33	0.39
8/25/2014	93.3	< 0.05	76.4	16.9	38.2	64.6	355	7.1	< 0.1	< 0.02	0.0297	9.25	<5.6UJ	37.9	0.36
9/8/2014	87.7	< 0.05	76.2	11.5	31.6	63.6	342	1.5	< 0.1	< 0.02	0.0144	9.16	<4UJ	34.5	0.33
9/23/2014	90.5	< 0.05	90.5	< 5	30.5	17.4	342	1.4	< 0.1	< 0.02	0.0145	8.74	<2.8UJ	34.8	0.52

302142 Maumee Bay Near State Park

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/9/2014	92.1	0.118	92.1	< 5	33.9	2.5	365	No Sample	5.51	0.034	0.1388	7.74	<1.6UJ	37.9	
5/6/2014	117	< 0.05	117	< 5	39.7	54.7	432	No Sample	2.1	0.028	0.0093	8.64	<4.7UJ	38.2	0.53
5/27/2014	124	< 0.05	124	< 5	39	45.6	471	No Sample	5.46	0.102	0.029	8.49	5.9J	41.4	0.86
6/9/2014	112	< 0.05	112	< 5	35.7	9.6	417	< 0.3	2.65	0.03	0.0183	8.12	3.3J	38.2	0.55
6/23/2014	96.5	< 0.05	96.5	< 5	31.7	2.4	352	0.65	1.19	< 0.02	0.0139	8.17	<0.9UJ	30.4	0.38
7/2/2014	108	< 0.05	103	5.2	37	49.6	429	< 0.3	4.61	0.1	0.0261	8.71	3.9J	38.9	0.68
7/21/2014	104	< 0.05	97.3	6.8	28.1	34.6	396	4.2	2.63	0.029	0.011	8.71	<5.6UJ	29.8	0.61
8/4/2014	59.8	< 0.05	30.1	29.7	30.8	165J	283	36	0.41	< 0.02	0.0019	10.1	<8UJ	33.4	0.52
8/25/2014	82.1	< 0.05	64.5	17.6	28	124	286	4.9	< 0.1	< 0.02	0.0035	9.37	20.8J	30.1	0.27
9/8/2014	83.8	< 0.05	68.8	15.1	27.6	72.7	305	3.3	< 0.1	< 0.02	0.0104	9.03	<14UJ	27.7	0.33
9/23/2014	100	< 0.05	100	< 5	30.9	11.8	354	0.64	0.36	< 0.02	0.0359	8.35	0.8J	33.2	0.54

302153 Lake Erie Near Middle Sister Island

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/17/2014	87	< 0.05	87	< 5	14.6	4.7	252	No Sample	0.46	< 0.02	0.0021	8.06	0.7J	15.4	<0.2
5/13/2014	85.5	< 0.05	85.5	< 5	11.6	17.3	244	No Sample	0.31	< 0.02	0.0026	7.69	5.3J	15.9	0.27
6/10/2014	89.7	< 0.05	89.7	< 5	13.7	9.2	252	< 0.3	0.29	< 0.02	0.0023	8.58	1.5J	16.9	<0.2

2014 Lake Erie Ambient Stations - Water Quality

6/24/2014	84.9	< 0.05	84.9	< 5	15.1	12.6	256	2	0.45	< 0.02	0.0027	8.47	2J	18.1	0.24
7/9/2014	89.7	< 0.05	89.7	< 5	14.5	6.2	257	< 0.3	0.41	0.02	0.0038	8.5	<1.4UJ	16.5	<0.2
7/22/2014	87.5	< 0.05	83.4	< 5	11.9	4.5	243	< 0.3	0.28	< 0.02	0.0016	8.69	0.9J	17.1	<0.2
8/6/2014	84.1	< 0.05	84.1	< 5	9.2	4.7	233	< 0.3	0.21	< 0.02	0.0033	8.69	<1.4UJ	14.9	<0.2
8/26/2014	86.5	< 0.05	83.6	< 5	10.4	5	232	0.44	0.18	< 0.02	0.0014	8.7	0.8J	15.4	<0.4UJ
9/9/2014	86.2	< 0.05	77.4	8.8	19.9	36.5	274	1.3	< 0.1	< 0.02	0.0011	8.86	8.3J	20.6	<1
9/25/2014	89.2	< 0.05	89.2	< 5	9.4	3.5	235	< 0.3	0.18	< 0.02	0.0016	8.36	0.3J	15.7	0.2

302502 Lake Erie North of Port Clinton

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/17/2014	92.1	< 0.05	92.1	< 5	22.1	1.6	296	No Sample	1.47	< 0.02	0.0398	8.02	1.4J	20.1	0.33
5/7/2014	90.5	< 0.05	90.5	< 5	25.1	4.5	304	No Sample	0.81	< 0.02	0.0182	8.13	2.4J	18.6	0.28
6/2/2014	89.1	< 0.05	89.1	< 5	22.4	7.1	302	< 0.3	0.9	< 0.02	0.0043	8.19	2.5J	22.3	0.23
6/11/2014	92.1	0.055	92.1	< 5	21.3	1.6	298	< 0.3	0.72	< 0.02	0.0178	8.01	0.4J	22.4	0.28
6/24/2014	88	< 0.05	88	< 5	19.9	5.4	280	< 0.3	0.52	< 0.02	0.0128	8.17	<1.1UJ	20.7	0.29
7/9/2014	90	< 0.05	90	< 5	16.5	23.1	271	< 0.3	0.35	< 0.02	0.0014	8.56	<1.4UJ	16.8	<0.2
7/22/2014	91.1	< 0.05	91.1	< 5	18.4	3J	283	< 0.3	0.29	< 0.02	0.0012	8.35	<0.7UJ	20.6	0.24
8/6/2014	87.9	< 0.05	87.9	< 5	16.4	5.4	274	< 0.3	0.17	< 0.02	<0.001	8.69	1.1J	18.5	<0.2
8/26/2014	90.6	< 0.05	90.6	< 5	16.5	15	273	0.32	< 0.1	< 0.02	0.0014	8.61	<2.8UJ	19.4	<0.4UJ
9/9/2014	92.8	< 0.05	88.5	< 5	16.4	18.9J	271	0.42	< 0.1	< 0.02	0.0073	8.64	<5.6UJ	18.8	<0.2
9/25/2014	93	< 0.05	93	< 5	17.1	13.2	268	< 0.3	< 0.1	< 0.02	0.0064	8.46	<2.8UJ	18.8	0.21

P11S32 Maumee River Near Mouth

Date	Alkalinity mg/L	NH ₃ mg/L	Bicarbonate mg/L	Carbonate mg/L	Chloride mg/L	Chl-a ug/L	Cond. umhos/cm	Microcystinsu g/L	NO ₃ +NO ₂ mg/L	NO ₂ mg/L	PO ₄ mg/L	pH s.u.	Phe-a ug/L	Sulfate mg/L	TKN mg/L
4/9/2014	101	0.095	101	< 5	32.5	3.2	385	No Sample	6.12	0.029	0.1142	7.7	1.6J	39.6	
5/6/2014	174	<0.05	174	< 5	66.9	64.2	708	No Sample	3.05	0.031	0.001	8.55	16.1J	80.6	0.87
5/27/2014	147	0.144	147	< 5	38	21.3	530	No Sample	7.09	0.124	0.0911	7.94	<5.6UJ	45.3	0.9
6/9/2014	158	0.16	158	< 5	52.3	83.6	606	3.6	2.68	0.119	0.0065	8.44	14.3J	63.8	0.86
6/23/2014	134	0.344	134	< 5	42.6	12.8	540	< 0.3	9.47	0.202	0.0903	8.05	14.8J	42.9	0.87
7/2/2014	112	<0.05	112	< 5	28.1	15.7	414	< 0.3	9.35	0.205	0.1482	7.97	5.7J	32.6	0.99

2014 Lake Erie Ambient Stations - Water Quality

7/21/2014	147	<0.05	138	9.1	51.2	49.6	592	< 0.3	4.57	0.081	0.0561	8.61	11.3J	62	0.72
8/4/2014	115	0.118	115	< 5	46	98.3	502	0.65	2.88	0.205	0.0595	8.52	8.5J	48.3	0.85
8/25/2014	124	0.251	124	< 5	64.7	42	574	2	0.25	0.046	0.0694	8.59	<7UJ	65.7	1.09
9/8/2014	113	<0.05	113	< 5	62.2	30.6	582	0.34	1.35	0.435	0.097	7.84	16.9J	65.2	0.74
9/23/2014	116	0.231	116	< 5	47	19.7	479	0.3J	1.78	0.062	0.07	7.94	7J	50	0.83

2014 Lake Erie Ambient Stations - Water Quality

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
174	0.0051	< 5
164	0.0054	< 5
168	0.0062	< 5
178	0.0049	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
172	0.0113	< 5
190	0.01	< 5
176	0.0045	< 5
188	0.0056	< 5
176	0.0072	< 5
170	0.0058	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
182	0.014	< 5
154	0.006	< 5
168	0.0082	< 5
170	0.0047	< 5
156	0.006	< 5
174	0.0059	< 5
174	0.0098	< 5
164	0.0123	< 5
166	0.0146	< 5

2014 Lake Erie Ambient Stations - Water Quality

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
122	0.0128	8
200	0.0265	< 5
158	0.0107	< 5
172	0.0148	< 5
150	0.0187	< 5
156	0.0188	< 5
142	0.008	< 5
146	0.0082	5
134	0.0102	5
148	0.0101	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
274	0.0563	52
324	0.0328	21
198	0.0298	26
264	0.0509	12
312	0.0875	26
232	0.0259	13
202	0.0445	21
208	0.0358	21
178	0.0248	11

2014 Lake Erie Ambient Stations - Water Quality

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
154	0.0098	< 5
196	0.0577	10
156	0.0087	< 5
152	0.0097	< 5
138	0.007	< 5
168	0.0178	< 5
138	0.0076	< 5
154	0.0084	< 5
150	0.0078	< 5
140	0.0089	5
150	0.0188	5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
172	0.0054	< 5
166	0.006	< 5
172	0.0128	< 5
164	0.0091	< 5
178	0.0071	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
184	0.0122	< 5
174	0.0069	< 5
158	0.0057	< 5
172	0.0114	< 5
168	0.0052	< 5
162	0.0051	< 5

2014 Lake Erie Ambient Stations - Water Quality

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
168	0.0098	< 5
164	0.0087	< 5
164	0.0068	< 5
174	0.0097	< 5
176	0.01	< 5
164	0.0043	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
180	0.027	< 5
172	0.0086	< 5
180	0.0051	< 5
152	0.0101	< 5
172	0.0079	< 5
170	0.0074	< 5
158	0.0049	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
174	0.0298	11
266	0.0754	10
170	0.0119	< 5
196	0.0192	8
182	0.0302	< 5
168	0.0185	< 5
592	0.0109	8
180	0.0096	< 5
174	0.0856	13
144	0.0165	< 5
182	0.0326	7



2014 Lake Erie Ambient Stations - Water Quality

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
176	0.0136	< 5
166	0.0078	< 5
152	0.0056	< 5
168	0.0095	< 5
160	0.0136	< 5
176	0.0055	< 5
172	0.0072	< 5
168	0.0112	< 5
166	0.0095	< 5
160	0.0238	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
324	0.2336	107
388	0.0385	23
336	0.1144	12
344	0.0489	18
332	0.0898	20
290	0.2004	36
328	0.0884	19
262	0.1096	27
330	0.1214	22
372	0.1638	12
288	0.1418	33

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
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2014 Lake Erie Ambient Stations - Water Quality

334	0.1776	77
328	0.0416	38
328	0.0696	10
314	0.029	12
316	0.0927	5
228	0.0336	7
244	0.0531	5
206	0.0485	13
222	0.0586	27
200	0.0432	15
204	0.0237	6

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
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308	0.2304	56
256	0.0513	48
294	0.0839	< 5
274	0.0313	12
210	0.0229	5
258	0.0513	7
230	0.0465	< 5
180	0.0251	32
198	0.0357	33
194	0.0584	40
216	0.0416	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
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130	0.0103	8
154	0.0059	< 5
134	0.0069	< 5

2014 Lake Erie Ambient Stations - Water Quality

152	0.0094	< 5
152	0.0129	6
134	0.006 B	< 5
138	0.0057	< 5
140	0.007	< 5
148	0.0179	8
130	0.0038	< 5

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
178	0.0599	9
180	0.0289	10
180	0.0142	< 5
182	0.0191	< 5
174	0.0199	< 5
166	0.0145	< 5
158	0.0063B	< 5
158	0.0104	< 5
166	0.0136	< 5
154	0.0195	5
162	0.0183	6

Total Diss. Solids mg/L	Total, P mg/L	T, Suspended Solids mg/L
316	0.2281	92
410	0.0367	17
350	0.1406	8
382	0.0304	18
348	0.1306	12
290	0.1883	22

2014 Lake Erie Ambient Stations - Water Quality

370	0.1079	16
304	0.1173	21
354	0.1188	20
340	0.1517	14
308	0.0966	19