

Appendix 3: Total Phosphorus Trends by Lake

Lake Name	WBIC	CommunityType	TP Slope Coefficient	TP ug/L/yr	TP ug/L/10yr	Time Span	Decades	Years of Data	P-value
Afterglow Lake	1624100	Deep Seepage	-3.037E-06	-1.11	-11.09	1990-1999	1	5	0.245
Alder Lake	2329600	Deep Lowland	8.926E-07	0.33	3.26	2000-2009	1	7	0.696
Pickereel Lake	1619700	Shallow Lowland	5.717E-06	2.09	20.87	2010-2019	1	7	0.019
Cochran Lake	22963500	Shallow Headwater	4.659E-06	1.70	17.01	2010-2019	1	8	0.011
Anderson Lake	968500	Two-Story	6.219E-09	0.00	0.02	2000-2019	2	20	0.981
Annabelle Lake	2953800	Deep Lowland	3.924E-07	0.14	1.43	2000-2019	2	20	0.2235
Anvil Lake	968800	Deep Seepage	2.053E-07	0.07	0.75	1990-2019	3	30	0.4635
Armour Lake	2953200	Deep Lowland	7.504E-07	0.27	2.74	2000-2019	2	11	0.0616
Amik Lake	2268600	Shallow Lowland	3.866E-06	1.41	14.11	2000-2019	2	19	0.000
Big Arbor Vitae Lake	1545600	Deep Lowland	-1.237E-06	-0.45	-4.52	2010-2019	1	8	0.63
Kentuck Lake	716800	Deep Lowland	3.075E-06	1.12	11.22	2000-2019	2	20	0.001
Big Portage Lake	1629500	Deep Seepage	1.779E-08	0.01	0.06	2000-2019	2	19	0.93047
Big Sand Lake	1602600	Deep Lowland	5.666E-07	0.21	2.07	2010-2019	1	10	0.406
Big St. Germain Lake	1591100	Two-Story	-1.109E-06	-0.40	-4.05	2000-2019	2	9	0.656
Little Portage Lake	1629200	Shallow Lowland	2.934E-06	1.07	10.71	2000-2019	2	14	0.000
Birch Lake	2311100	Deep Lowland	-7.814E-08	-0.03	-0.29	2000-2019	2	20	0.829552
Black Oak Lake	1630100	Two-Story	-3.554E-08	-0.01	-0.13	2000-2019	2	18	0.8955
Bobidosh Lake	1836100	Deep Seepage	-2.223E-07	-0.08	-0.81	2000-2019	2	20	0.343841
Carlin Lake	2757900	Deep Seepage	-2.226E-07	-0.08	-0.81	2000-2019	2	15	0.4602
Carpenter Lake	976100	Shallow Seepage	3.367E-07	0.12	1.23	2000-2019	2	20	0.146885
Van Vliet Lake	2956800	Shallow Headwater	1.863E-06	0.68	6.80	2000-2019	2	15	0.001
Clear Lake	2329000	Two-Story	8.007E-07	0.29	2.92	2000-2009	1	9	0.408
Hiawatha Lake	2328400	Deep Headwater	1.737E-06	0.63	6.34	2000-2019	2	19	0.000
Crab Lake	2953500	Two-Story	1.803E-07	0.07	0.66	1990-2019	3	27	0.33929
Crawling Stone Lake	2322800	Two-Story	-8.473E-08	-0.03	-0.31	2000-2019	2	15	0.8355
Moccasin Lake	1005700	Deep Seepage	1.408E-06	0.51	5.14	2000-2009	1	7	0.046
Dead Pike Lake	2316600	Two-Story	-8.855E-07	-0.32	-3.23	2010-2019	1	9	0.1936
Long Lake	1602300	Two-Story	1.284E-06	0.47	4.69	2010-2019	1	10	0.049
Diamond Lake	1844700	Deep Seepage	4.723E-07	0.17	1.72	2000-2009	1	5	0.634
Eagle Lake	1600200	Deep Lowland	-2.740E-06	-1.00	-10.00	2000-2009	1	5	0.254
Escanaba Lake	2339900	Shallow Headwater	2.165E-07	0.08	0.79	1990-1999	1	10	0.824

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Finger Lake	984700	Deep Seepage	2.404E-06	0.88	8.77	2000-2019	2	5	0.107
Fishstrap Lake	2343200	Deep Lowland	1.402E-06	0.51	5.12	2010-2019	1	7	0.296
Forest Lake	2762200	Two-Story	2.970E-07	0.11	1.08	2000-2019	2	19	0.4017
Gunlock Lake	1539700	Shallow Headwater	-1.944E-06	-0.71	-7.10	2010-2019	1	9	0.1532
Harris Lake	2958500	Deep Headwater	1.008E-07	0.04	0.37	2000-2019	2	19	0.572024
Bass Lake	1604200	Shallow Headwater	1.191E-06	0.43	4.35	2000-2019	2	14	0.004
High Lake	2344000	Deep Lowland	7.691E-07	0.28	2.81	2010-2019	1	10	0.385
Horsehead Lake	2953100	Shallow Lowland	-1.354E-07	-0.05	-0.49	2000-2019	2	19	0.74972
Ike Walton Lake	2321800	Deep Seepage	5.695E-07	0.21	2.08	2010-2019	1	6	0.751
Imogene Lake	586800	Deep Seepage	1.334E-06	0.49	4.87	2010-2019	1	10	0.266
Bills Lake	1835500	Deep Seepage	9.622E-07	0.35	3.51	2000-2019	2	20	0.000
South Twin Lake	1623700	Two-Story	9.343E-07	0.34	3.41	2000-2019	2	12	0.000
Lac Vieux Desert	1631900	Shallow Lowland	1.845E-06	0.67	6.73	2010-2019	1	6	0.201
Little Arbor Vitae Lake	1545300	Deep Lowland	-1.965E-07	-0.07	-0.72	2010-2019	1	8	0.94
Little Bateau Lake	998600	Deep Headwater	-1.491E-06	-0.54	-5.44	2010-2019	1	7	0.1698
Little Crawling Stone L	2324000	Two-Story	6.092E-08	0.02	0.22	2000-2019	2	19	0.8103
Little Crooked Lake	2335500	Deep Lowland	1.020E-06	0.37	3.72	1990-2009	2	16	0.1
McDonald Lake	1003700	Deep Seepage	7.950E-07	0.29	2.90	1990-2019	3	26	0.005
Papoose Lake	2328700	Two-Story	6.496E-07	0.24	2.37	2000-2019	2	20	0.005
South Turtle Lake	2310200	Deep Lowland	6.081E-07	0.22	2.22	1990-2019	3	24	0.007
Little St. Germain Lake	1596300	Two-Story	-2.613E-07	-0.10	-0.95	2000-2019	2	20	0.525776
Little Star Lake	2334300	Two-Story	1.606E-06	0.59	5.86	2000-2019	2	6	0.221
Deerskin Lake	1601300	Shallow Headwater	4.899E-07	0.18	1.79	2000-2019	2	19	0.013
Lost Lake	1593400	Shallow Lowland	-1.946E-06	-0.71	-7.10	2000-2009	1	9	0.603
Lower Buckatabon	1621000	Shallow Lowland	-5.759E-07	-0.21	-2.10	2010-2019	1	5	0.494
Mann Lake	2332000	Shallow Headwater	6.631E-06	2.42	24.20	2010-2019	1	5	0.116
Little Rock Lake	1862100	Shallow Seepage	4.754E-07	0.17	1.74	2000-2019	2	16	0.045
North Turtle Lake	2310400	Two-Story	3.003E-07	0.11	1.10	1990-2019	3	25	0.045
Moon Lake	1005800	Deep Seepage	2.477E-07	0.09	0.90	2000-2019	2	20	0.018
Morton Lake	2960300	Deep Lowland	-7.555E-07	-0.28	-2.76	2000-2019	2	16	0.4191
Moss Lake	2322500	Deep Seepage	6.011E-07	0.22	2.19	2010-2019	1	6	0.687
Muskellunge Lake	1596600	Shallow Lowland	-2.973E-07	-0.11	-1.09	1990-2019	3	25	0.634

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Myrtle Lake	1626000	Deep Seepage	9.293E-07	0.34	3.39	2000-2019	2	19	0.142
Alma Lake	967900	Deep Seepage	1.079E-07	0.04	0.39	2000-2019	2	20	0.005
North Twin Lake	1623800	Two-Story	-4.189E-07	-0.15	-1.53	2010-2019	1	5	0.704
Oxbow Lake	2954800	Two-Story	2.447E-07	0.09	0.89	2010-2019	1	10	0.648
Stearns Lake	2323600	Shallow Seepage	-8.720E-07	-0.32	-3.18	2000-2019	2	16	0.006
Little Spider Lake	1540400	Shallow Seepage	-9.013E-07	-0.33	-3.29	1990-2019	3	26	0.001
Plum Lake	1592400	Two-Story	8.454E-07	0.31	3.09	2010-2019	1	18	0.331
Plummer Lake	1875100	Deep Seepage	-4.937E-08	-0.02	-0.18	2000-2019	2	20	0.8448
Pokegama Lake	2320800	Two-Story	6.100E-07	0.22	2.23	2000-2009	1	9	0.165
Presque Isle Lake	2956500	Two-Story	-1.055E-07	-0.04	-0.39	2000-2019	2	17	0.7459
Ross Allen Lake	1878100	Deep Seepage	-2.762E-06	-1.01	-10.08	2000-2019	2	6	0.288
Shishebogama Lake	1539600	Deep Lowland	2.160E-08	0.01	0.08	2000-2019	2	17	0.9583
Smoky Lake	1018300	Two-Story	-3.346E-07	-0.12	-1.22	2010-2019	1	10	0.579
Snipe Lake	1018500	Shallow Seepage	-1.016E-06	-0.37	-3.71	2010-2019	1	10	0.2777
Johnson Lake	1541100	Two-Story	-1.368E-06	-0.50	-4.99	2000-2009	1	8	0.046
Wildcat Lake	2336800	Deep Headwater	-2.145E-06	-0.78	-7.83	2010-2019	1	10	0.044
Circle Lily Lake	2326700	Deep Lowland	-2.184E-06	-0.80	-7.97	2010-2019	1	10	0.008
Stormy Lake	1020300	Two-Story	1.403E-06	0.51	5.12	2000-2009	1	9	0.192
Sunset Lake	1020900	Deep Seepage	-2.976E-07	-0.11	-1.09	1990-1999	1	6	0.829
Tonawanda Lake	1022900	Deep Seepage	-3.690E-07	-0.13	-1.35	2000-2019	2	19	0.48
Trout Bog	2014700	Small	2.750E-06	1.00	10.04	2010-2019	1	6	0.478
Upper Gresham Lake	2330800	Deep Lowland	3.162E-07	0.12	1.15	2000-2019	2	20	0.30319
Big Lake	2334700	Two-Story	-6.531E-06	-2.38	-23.84	2010-2019	1	6	0.037
White Sand Lake (LDF)	2321100	Two-Story	1.038E-06	0.38	3.79	2010-2019	1	9	0.0608
Crystal Bog	2017500	Small	-9.096E-06	-3.32	-33.20	2010-2019	1	5	0.044