

2017 COOPERATIVE LAKES MONITORING PROGRAM
 SPRING TOTAL PHOSPHORUS RESULTS

Lake	County	Site ID Number	Total Phosphorus (ug/l)	
			Vol	Spring Overturn Rep.
Africa, Big	Gogebic	270231	31	
Africa, Little	Gogebic	270230	25	
Angelus	Oakland	631227	*	
Ann	Benzie	100082	<5 T	
Arbutus (2)	Grand Traverse	280109	*	
Arcadia	Manistee	510174	11 g	
Arnold	Clare	180107	5 b,g	
Avery	Montmorency	600023	≤ 3 W	≤ 3 W
Barlow	Barry	080176	7	
Barton	Kalamazoo	390215	6	
Bear	Kalkaska	400026	≤ 3 W	
Bear	Manistee	510122	≤ 3 W	
Beaver	Alpena	040097	≤ 3 W	
Bellaire	Antrim	050052	<5 T k	
Big	Gogebic	270220	23	
Birch	Cass	140187	≤ 3 W g	
Blue	Mecosta	540092	6	
Blue (Big)	Kalkaska	400017	*	
Blue (Chancellor)	Mason	530287	≤ 3 W g	
Blue (North)	Kalkaska	400131	7 b,g	
Bostwick	Kent	410322	m	
Bradford (Big)	Otsego	690036	<5 T k	5
Brevoort	Mackinaw	490036	12 k	
Bristol	Barry	080092	13 k	
Brooks	Leelanau	450222	12	
Buck	Iron	360072	13 k	
Cedar	Alcona	010017	7	
Cedar	Van Buren	800241	9	
Chain	Iosco	350146	5	
Chemung	Livingston	470597	11 k	
Chicagon	Iron	360031	7	
Chippewa	Mecosta	540050	9	
Christiana	Cass	140055	11	
Cisco	Gogebic	270053	22	
Clam	Antrim	050101	≤ 3 W g	
Clark	Jackson	380173	5	
Clear	Jackson	380453	6 g	6
Clear	Ogemaw	650042	<5 T	
Clearwater	Gogebic	270108	17	
Clifford	Montcalm	590142	*	

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Cobb	Barry	080259	5	
Cool	Lake	460633	<5 T k	
Corey	St. Joseph	750142	*	
Cranberry	Oakland	631228	22 k	
Crockery	Ottawa	700422	85	
Crooked	Kalkaska	400133	*	
Crooked, Upper	Barry	080071	13 k	
Crystal	Montcalm	590105	7 k	
Crystal	Washtenaw	820591	7	
Crystal	Benzie	100066	5 k	
Cub	Kalkaska	400031	*	
Deer	Alger	020127	15	12
Deer	Oakland	631128	5	
Derby	Montcalm	590144	9 k	6
Devils	Lenawee	460179	7 k	
Diamond	Cass	140039	*	
Diane	Hillsdale	300173	*	
Dinner	Gogebic	270126	10	
Dorner	Manistee	510272	≤ 3 W	3
Duck	Muskegon	610778	15 k	
Duck, North	Gogebic	270127	8	
Duck, South	Gogebic	270218	7	
Duncan	Barry	080096	*	
Eagle	Cass	140057	6 k	
Eagle	Kalkaska	400130	6 g	
Earl	Livingston	470554	41 k	
East Bay	Gogebic	270228	26	29
Elbow	Lake	430637	≤ 3 W	
Ellen	Iron	360050	5	
Emerald	Kent	410709	9	6
Evans	Lenawee	460309	6	
Farwell	Jackson	380454	*	
Fenton	Genesee	250241	13 k	
Fern	Grand Traverse	280438	7	
Fish	Van Buren	800461	m k	
Fish Hawk	Gogebic	270190	18	17
Fisher	Leelanau	450224	≤ 3 W	
Fishers	St. Joseph	750139	6	
Fortune, First	Iron	360080	<5 T	
Fortune, Second	Iron	360177	<5 T	

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George	Clare	180056	15	
Glacier	Washtenaw	820592	13	
Glen	Leelanau	450049	5	
Glen, Little	Leelanau	450050	≤ 3 W	
Gogebic, North	Ontonagon	660182	16 b,g	
Gogebic, South	Gogebic	270226	14 b,g	
Golden	Iron	360082	5	
Gravel	Van Buren	800271	6	6
Gull	Kalamazoo	390210	<5 T g	
Hagerman	Iron	360042	8	
Hamlin (Lower)	Mason	530073	10	
Hamlin (Upper)	Mason	530074	24	
Hannah Webb	Iron	360165	8	
Herring, Lower	Benzie	100085	8 g	
Herring, Upper	Benzie	100247	11 k	
Hicks	Osceola	670062	*	
Higgins (N)	Roscommon	720026	5	
Higgins (S)	Roscommon	720028	6	
High	Kent	410703	12 k	
Hoags	Mason	530303	≤ 3 W	
Horsehead	Mecosta	540085	≤ 3 W	
Independence	Marquette	520149	10 b,g	
Indian	Gogebic	270229	30	
Indian	Kalamazoo	390305	7 k	7
Indian	Kalkaska	400015	<5 T	
Indian	Osceola	670227	10 b,g	
Isabella	Isabella	370135	16	
Island	Grand Traverse	280164	5	
Island, Little	Iosco	350245	≤ 3 W	
Juno	Cass	140058	12	
Klinger	St. Joseph	750136	6 k	
Lake of the Woods	Manistee	510274	<5 T	
Lakeville	Oakland	630670	5 k	
Lancelot	Gladwin	260104	*	
Lancer	Gladwin	260116	11	
Langford	Gogebic	270227	18	
Leelanau (N)	Leelanau	450236	5	
Leelanau (S)	Leelanau	450235	5	
Lindsley	Gogebic	270221	17	
List	Lake	430636	11	

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Long	Gogebic	270179	6	
Long	Iosco	350076	10	
Long (Little)	Barry	080279	m b,g	
Loon	Iosco	350078	11	
Lotus	Oakland	630414	<5 T	
Maceday	Oakland	630415	<5 T	
Maggie, Big	Iron	360173	5 g	
Maggie, West	Iron	360172	39	
Magician	Cass	140065	*	
Mamie	Gogebic	270233	31	
Manitou	Shiawassee	780233	120	
Margrethe	Crawford	200157	≤ 3 W	
Marion	Gogebic	270119	7 g	
Mary	Iron	360071	5	
Maston	Kent	410764	8	
Mecosta	Mecosta	540057	5	
Moon	Gogebic	270120	5	
Morley	Gogebic	270222	17	
Murray	Kent	410268	20 k	
Muskellunge	Kent	410765	13	
Nepessing	Lapeer	440220	14	
North	Washtenaw	810276	12 k	
Ore	Livingston	470100	17	
Orion	Oakland	630554	9	
Osterhout	Allegan	030263	7 g	8 g
Ottawa	Iron	360033	18	
Owasippe	Muskegon	610789	≤ 3 W	3
Oxbow	Oakland	630666	11	
Painter	Cass	140108	14	
Papoose	Kalkaska	400134	7	
Park	Clinton	190099	26 k	
Payne	Barry	080103	12	17
Pentwater	Oceana	640089	17	
Perch	Iron	360046	23	
Perrin	St. Joseph	750314	8 k	
Pickerel	Kalkaska	400035	≤ 3 W	
Pine	Manistee	510273	≤ 3 W	
Pine Island (Big)	Kent	410437	*	
Pleasant	Wexford	830183	5	
Pleasant (NW)	Washtenaw	810266	j	

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Pontiac	Oakland	630744	*	
Poor	Gogebic	270219	18	
Portage	St. Joseph	750245	17 d	
Portage	Washtenaw	810248	11	
Posey	Lenawee	460423	49	
Ranger	Otsego	690156	28	
Record	Gogebic	270232	34	
Rennie	Grand Traverse	280430	<5 T k	
Rifle	Ogemaw	650022	7	
Robinson	Iron	360182	m k	
Round	Lenawee	460304	6	
Round	Mecosta	540073	22	
Sand	Lake	430635	≤ 3 W	
Sanford	Benzie	100208	6	
Scram	Kent	410728	13	
Shingle	Clare	180108	10	
Silver	Van Buren	800534	<5 T	
South Bar	Leelanau	450237	≤ 3 W	3
Spider	Grand Traverse	280395	6	
Squaw	Kalkaska	400135	*	
Stager	Iron	360074	14	
Star (Big)	Lake	430022	9 k	
Starvation	Kalkaska	400030	7	
Stony	Oceana	640049	13 k	
Straits (Middle)	Oakland	630732	*	
Straits (Upper)	Oakland	631172	10	
Sunset	Iron	360032	13	
Swan	Iron	360035	9	
Tahoe	Oceana	640332	*	
Taylor	Oakland	631114	13 k	13 k
Thousand Island	Gogebic	270046	11	
Timmerman	Manistee	510275	38	39
Torch, North	Antrim	050055	≤ 3 W	
Torch, South	Antrim	050240	≤ 3 W	
Twin, East	Montmorency	600013	11 k	
Twin, Little	Kalkaska	400013	<5 T	2
Twin, West	Montmorency	600014	5 k	
Twin, Big	Kalkaska	400025	≤ 3 W	
Van Etten	Iosco	350201	28	
Viking	Otsego	690136	m	

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Vineyard	Jackson	380263	*	
Wall	Barry	080294	6	
West	Kalamazoo	390496	*	
West Bay	Gogebic	270054	29	
White	Oakland	630684	m	
White, East	Muskegon	610330	7 k	
White, West	Muskegon	610349	9 k	13 k
Windover	Clare	180069	5 k	
Winslow	Iron	360178	11	
Woods	Kalamazoo	390542	33	

- * No sample received or received too late to process.
- a Sample not collected at proper time; may not be comparable to other data
- b Data form not submitted with samples
- c Sample thawed in shipping; rejected
- d Sample not labelled
- e Sample not fully wrapped in foil; rejected
- f Sample not collected at proper time; rejected
- g Ice-out date not recorded on data form; unknown whether sample was collected with
- h Sample submitted on filter separator sheet; rejected
- j Sample collected in non-standard sample bottles; rejected
- k Sample collected more than 2 weeks after ice out; may not be comparable to other d:
- m Sample submitted in late summer; results not yet available from laboratory
- T Value reported is less than the reporting limit (5 ug/l). Result is estimated.
- W Value is less than the method detection limit (3 ug/l)
- z Sample in a improper bottle; rejected.