

2018 COOPERATIVE LAKES MONITORING PROGRAM
 SPRING TOTAL PHOSPHORUS RESULTS

Lake	County	Site ID Number	Total Phosphorus (ug/l)	
			Spring Overturn Vol	Rep.
Africa (Big)	Gogebic	270231	17	
Africa (Little)	Gogebic	270230	24	
Aginaw	Shiawassee	780261	57	
Angelus	Oakland	631227	<5 T	
Ann	Benzie	100082	<=3 W	
Arcadia	Manistee	510174	16	
Arnold	Clare	180107	<5 T,b,g	
Avery	Montmorency	600023	<5 T	
Avon	Oakland	631264	10	
Bar (South)	Leelanau	450237	5	
Barlow	Barry	080176	<5 T	
Barton	Kalamazoo	390215	13	
Bay, East	Gogebic	270228	26	
Bay, West	Gogebic	270054	22	23
Bear	Manistee	510122	11	13
Beaver	Alpena	040097	<5 T	5
Bellaire	Antrim	050052	6	
Big	Gogebic	270220	13	
Birch	Cass	140187	*	
Bloomfield (West)	Oakland	631257	46 g	47 g
Blue	Mecosta	540092	6	
Blue (Big)	Kalkaska	400017	5	
Blue (Chancellor)	Mason	530287	7 g	
Blue (North)	Kalkaska	400131	*	
Bradford (Big)	Otsego	690036	*	
Brendel	Oakland	631161	*	
Bristol	Barry	080092	10	
Brooks	Leelanau	450222	<5 T,k	
Brush	Newaygo	620338	14	
Buckhorn	Oakland	631113	*	
Buhl	Oakland	631254	23 d	
Camp	Iron	360180	6	
Cedar	Alcona	010017	8	
Cedar	Van Buren	800241	11	
Cedar Island	Oakland	630729	14	
Cemetery (Middle)	Oakland	631265	7	7
Chain	Iosco	350146	13	
Chemung	Livingston	470597	14	
Chief	Manistee	510256	11 b,g	
Chippewa	Mecosta	540050	*	
Christiana	Cass	140055	16 k	

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Cisco	Gogebic	270053	16	
Clam	Antrim	050101	6 k	
Clear	Jackson	380453	6	
Clear	Oakland	631246	18	
Clear	Ogemaw	650042	6	5
Clearwater	Gogebic	270108	19	
Cobb	Barry	080259	<=3 W	
Coldwater	Isabella	370063	42	
Corey	St. Joseph	750142	*	
Cranberry	Oakland	631228	22	
Crescent	Oakland	630563	14 b,g	
Crockery	Ottawa	700422	*	
Crooked	Kalkaska	400133	5	
Crooked	Oakland	631255	12 d	
Crooked (Upper)	Barry	080071	13	
Cross	Oakland	631248	*	
Crystal	Benzie	100066	<5 T	
Crystal	Gogebic	270234	14	
Crystal	Montcalm	590106	7 k	
Crystal	Oakland	631273	*	
Cub	Kalkaska	400031	7	
Darby	Oakland	631247	*	
Deer	Alger	020127	*	
Deer	Oakland	631128	<5 T	
Devils	Lenawee	460179	10 k	
Diamond	Cass	140039	<=3 W,d	<5 T
Dinner	Gogebic	270126	12 k	
Duck	Muskegon	610778	13	
Duck (North)	Gogebic	270127	9	
Duck (South)	Gogebic	270218	5	
Eagle	Cass	140057	5 k	
Eagle	Kalkaska	400130	<=3 W	
Earl	Livingston	470554	50	
Elizabeth	Oakland	630674	5	
Ellen	Iron	360050	<=3 W	
Emerald	Kent	410709	8	
Evans	Lenawee	460309	*	
Farwell	Jackson	380454	*	
Fenton	Genesee	250241	*	
Fern	Grand Traverse	280438	17 k	6 k
Fish	Oakland	631145	*	
Fish	Van Buren	800461	8 k	
Fish Hawk	Gogebic	270190	11	11
Fisher (Big)	Leelanau	450224	<=3 W	

Lake	County	Site ID Number	Total Phosphorus (ug/l)	
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Fisher's	St. Joseph	750139	<5 T	
Fortune (First)	Iron	360080	<=3 W	
Fortune (Second)	Iron	360177	<=3 W	
George	Clare	180056	8 k	
Gilbert	Oakland	630411	*	
Glen (Big)	Leelanau	450049	<=3 W	
Glen (Little)	Leelanau	450050	<=3 W	<=3 W
Gogebic (North)	Ontonogon	660182	11	
Gogebic (South)	Gogebic	270226	12	
Golden	Iron	360082	<=3 W	
Grass	St. Joseph	750344	17	
Gravel	Van Buren	800271	<=3 W	
Green	Oakland	631129	*	
Gull	Kalamazoo	390210	<=3 W,k	
Hagerman	Iron	360042	6	
Hamilton	Dickinson	220060	10	
Hamlin (Lower)	Mason	530074	9 k	
Hamlin (Upper)	Mason	530073	26 k	
Hannah Webb	Iron	360165	9	
Herring (Upper)	Benzie	100247	7 k	
Higgins (North)	Roscommon	720026	<5 T	
Higgins (South)	Roscommon	720028	<5 T	
Highbanks	Newaygo	620337	7	
Horsehead	Mecosta	540085	9 k	9 k
Huff	Oakland	631261	22 k	
Independence	Marquette	520149	10	
Indian	Gogebic	270229	30	
Indian	Kalamazoo	390305	6	
Indian	Kalkaska	400015	<5 T	
Isabella	Isabella	370135	15	
Island	Grand Traverse	280164	<=3 W	
Island (Little)	Iosco	350245	8	
Juno	Cass	140058	15 k	
Kelsey (Big)	Cass	140195	*	
Kelsey (Little)	Cass	140196	*	
Klinger	St. Joseph	750136	11	
Lake 16	Oakland	631256	15	
Lakeville	Oakland	630670	9	
Lancelot	Gladwin	260104	*	
Lancer	Gladwin	260116	*	
Langford	Gogebic	270227	17	
Lindsley	Gogebic	270221	16	
Long	Gogebic	270179	6	
Long	Iosco	350076	14 k	

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Long	Oakland	631118	9 k	
Long (Cloverdale)	Barry	080210	<5 T	
Long (Little)	Barry	080279	<5 T,k	
Long (Upper)	Oakland	631117	15	
Loon	Iosco	350078	14	
Loon	Oakland	630557	*	
Lost	Oakland	631259	25	
Lotus	Oakland	630414	6 k	
Louise	Dickinson	220124	8	
Louise	Oakland	631262	14 k	
Maceday	Oakland	630415	5	
Maggie (Big)	Iron	360173	6	
Maggie (West)	Iron	360172	19	
Mamie	Gogebic	270233	33	
Manitou	Shiawassee	780233	33	
Margrethe	Crawford	200157	*	
Mary	Dickinson	220039	7	
Mary	Iron	360071	5	
Maston	Kent	410764	9	
Mecosta	Mecosta	540057	7	
Morley	Gogebic	270222	12	
Mud	Oakland	631245	9	
Muskellunge	Kent	410765	14	
Nepessing	Lapeer	440220	16 q,k	
North	Washtenaw	810276	15 k	
Oakland	Oakland	630681	9	
Ona	Oakland	631186	*	
Ore	Livingston	470100	13 k	
Orion	Oakland	630554	8 q	9 g
Osterhout	Allegan	030263	11 k	
Ottawa	Iron	360033	15	
Owasippe	Muskegon	610789	5	
Oxbow	Oakland	630666	14	13
Painter	Cass	140108	9 k	
Papoose	Kalkaska	400134	11 k	
Park	Clinton	190099	14 k	
Perch	Iron	360046	15	
Perch	Otsego	690150	<5 T,k	
Perrin	St. Joseph	750314	9 k	
Pickerel	Kalkaska	400035	9	
Pine Island (Big)	Kent	410437	20 k	
Pleasant	Oakland	631149	66 b,g	
Pleasant	Washtenaw	810264	38 g	
Pleasant	Wexford	830183	10 k	

Lake	County	Site ID Number	Total Phosphorus (ug/l)	
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Pontiac	Oakland	630744	*	
Poor	Gogebic	270219	15	
Portage	St. Joseph	750245	24	
Portage	Livingston	810248	13 k	
Portage (Big)	Jackson	380245	*	
Porter	Iron	360176	*	
Posey	Lenawee	460423	38 k	
Rainbow	Oakland	631188	*	
Ranger (Townline)	Otsego	690156	* g	
Record	Gogebic	270232	*	
Round	Lenawee	460304	6 q	
Round	Mecosta	540073	19	
Round (Ind. Twp.)	Oakland	631249	15 b,g	
Round (Wh. Twp.)	Oakland	631250	*	
Sand	Mason	430635	7 b,g	
Sanford	Benzie	100208	<=3 W	
Scram	Kent	410728	12	
Sears	Oakland	631169	13	
Selkirk	Allegan	030224	*	
Sherwood	Oakland	631127	18 b,g	
Shingle	Clare	180108	14	
Silver	Van Buren	800534	7	
Spider	Grand Traverse	280395	*	
Square	Oakland	630569	*	
Squaw	Kalkaska	400135	7	
Squaw	Oakland	630418	22	
Stager	Iron	360074	*	
Starvation	Kalkaska	400030	<5 T	<5 T
Stony	Oceana	640049	*	
Sunset	Iron	360032	11	10
Susin	Oakland	631251	*	
Swan	Iron	360035	8	
Sylvan	Oakland	631244	*	
Taylor	Oakland	631114	15 k	
Theresa	Oakland	631275	<=3 W	
Thousand Island	Gogebic	270046	13	
Torch (North)	Antrim	050055	<=3 W,k	
Torch (South)	Antrim	050240	<=3 W	
Townsend	Oakland	631263	15	
Tull Lake # 1	Oakland	631267	6 k	
Twin	Oakland	631258	*	
Twin (Big)	Kalkaska	400025	<5 T	5
Twin (East)	Montmorency	600013	9 g	8 g
Twin (Little)	Kalkaska	400013	<=3 W	<5 T

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Twin (West)	Montmorency	600014	*	
Union	Oakland	630421	*	
Van Etten	Iosco	350201	29	
Viking	Otsego	690136	*	
Vineyard	Jackson	380263	*	
Voorheis	Oakland	631163	12	
Wall	Barry	080294	*	
Walled	Oakland	630550	*	
Walters	Oakland	631252	*	
White (East)	Muskegon	610330	17 k	
White (West)	Muskegon	610349	19 k	
Willow	Oakland	631253	7	
Woodhull	Oakland	630682	7	
Woodruff	Oakland	631260	15 k	12 k
Woods	Kalamazoo	390542	*	

- * 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 within 2 weeks of ice-out
- 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 data
- m Sample submitted in late summer; results not yet available from laboratory
- q Sample labels illegible; used ink that ran when wet
- 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.