

Environmentally Concerned Citizens of South Central Michigan - 2015 Water Monitoring Project

Date	Site	Stream, Location (Watershed)	Water Temp	Dissolved Oxygen mg/L	<i>E. coli</i> / 100mL	Nitrate ppm	Nitrite ppm	Phosphate (PO4) ppm	Ammonia ppm
4/20/15	42	Deline Dr. Ext.. Tomer Rd (Riv Raisin)	45.3	5.06	2100	20	0.15	5	0.25
4/20/15	24	Rice Lake Drain, Haley Rd (Riv Raisin)	50.9	4.87	5900	10	0	5	0.5
4/20/15	44	Bovee Drain, Whaley (Riv Raisin)	52.6	2.97	290	0	0	5	1.0
4/20/15	14	Medina Drain, Ingall Hwy (Bean/Tiffin)	54.3	4.98	540	10	0	5	0.5
4/20/15	26	Durfee Cr Ext, Dillon Hwy (Bean/Tiffin)	56.1	2.93	130	20	0	5	6.0
4/20/15	45	Carter Dr., Mulberry Rd (Bean/Tiffin)	51.8	3.27	<10	5	0	15	0.5
4/20/15	38	Silver Cr., Mulberry Rd (Bean/Tiffin)	51.5	4.71	1200	20	0	5	1.0
4/20/15	36	Shierson Dr., Ridgeville Rd (Bean/Tiffin)	45.2	4.85	1000	20	0.15	15	3.0

Bold indicates violation of MI Water Standard

MI Water Standard for DO: 5.0 mg/L or higher

MI Water Standard for *E. coli*, partial body contact: 1,000 mg/L or less

Michigan has few numeric standards for nutrients in streams, but here are ranges:

Parameter	In Natural Streams	<i>Of Concern</i>	<i>MI Water Quality Standard</i>
Ammonia	0.01-0.10/mg/L	above 0.10 mg/L	_____
Phosphorus	0.05-0.10mg/L	above .10 mg/L	1 mg/L or less (max. monthly avg.) for point source discharges
Nitrate	varies	above 10 mg/L	10 mg/L or less (drinking water)

E. coli test results from DEQ Lab in Lansing, MI; nutrient test results from Hach test strips