Sunny, mid-70's
NWS MOS OK

ENVIRONMENTALLY CONCERNED CITIZENS OF SOUTH CENTRAL MICHIGAN

Parameter

Date & Time	Site #	Stream	Location	Watershed	Township	Temperature (deg. F)	Dissolved Oxygen	E coli. /100ml	Nitrate (ppm)	Nitrite (ppm)	Orthohosphate (PO4) (ppm)	Total P (PO4 *.3262)	Ammonia (ppm)	Host Specific Source DNA +	Cyanobacteria	Microcystin	Note. DNA analyzed by Helix Biolabs; E. coli samples analyzed by MDEQ; Hach test strips used for nutrients unless noted
8.17.2017 7:55 a.m.	48	Loch Erin Shannon Park	Wadding Rd./Dalton & Dalton	Wolf Creek/Raisin	Cambridge	--	--	10	0	0	**5**	**1.631**	**0.25**	Cattle	+	+	
8.17.2017 8:16 a.m.	49	Black Creek	Brazee Rd./Wolf Creek Hwy. & Knight	Wolf Creek/Raisin	Adrian	--	--	**1000**	0	0	**15**	**4.893**	**0.25**	Cattle	+	+	
8.17.2017 8:32 a.m.	4	Black Creek to Wolf Creek	Wolf Creek Hwy./ Rome & Hunt	Wolf Creek/Raisin	Adrian	--	--	**1900**	1	0	**15**	**4.893**	**0.5**	Cattle	+	-	
8.17.2017 8:50 a.m.	18	Hazen Cr. To S. Br. Raisin	Plank Rd./Bates & Springville	S. Branch/Raisin	Rome	--	--	**2600**	0	0	**15**	**4.893**	**0.25**	Cattle	+	-	
8.17.2017	13	South Br., River Raisin (trib.)	Henning Hwy./Plank & Beecher	S. Branch/Raisin	Hudson	--	--	NO FLOW									
8.17.2017 9:17 a.m.	15	South Br., River Raisin	Cadmus Rd./Morey & Wheeler Hwys.	S. Branch/Raisin	Dover	--	--	**1000**	5	1	**15**	**4.893**	**1**	Cattle	+	-	
8.17.2017 9:34 a.m.	27	Bear Cr.	Lake Hudson Inlet, Tomer Rd	Bear Creek/Raisin	Hudson	--	--	240	1	1.5	**15**	**4.893**	**0**	Cattle	+	-	
8.17.2017 9:45 a.m.	24	Rice Lake Drain	Haley Rd/Morey Hwy & Wheeler	Bear Creek/Raisin	Dover	--	--	**1300**	0	0	**30**	**9.786**	**0.25**	Cattle	+	+	

Key Sampling Parameters:

Parameter	***In Natural Streams***	***Of Concern***	***MI Water Quality Standards***
Ammonia	0.01-0.10 mg/L	above 0.10 mg/L	------
Total Phosphorus	0.05-0.10 m/L	above .10 mg/L	1 mg/L or less (max. mo (convert PO4 to P: *.3262)
Nitrate	varies	above 10 mg/L	10 mg/L (drinking water)
BOD5	4-10 mg/L	above 15 mg/L	-----
DO	5-13 mg/L	below 5 mg/L	5.0 mg/L or higher (warmwater streams)
		below 7 mg/L	7.0 mg/L or higher (coldwater streams)
Fecal Coliform	varies	above 2,000 mg/L	----
E. coli	varies	above 1,000/100mL	1,000/100 mg/L or less (partial body contact)
			130/100 mg/L or less (total body contact)
			0 mg/L (drinking water)

adapted from "Key Sampling Parameters" fact sheet, Ohio EPA; Michigan Water Standards (Administrative Rules Part , P. O. 51, Natural Resources and Environmental Protection Act), and from http://www.epa.go/safewater/mcl.html

Note: mg/L is approximately, but not exactly, equivalent to ppm