



Environmentally Concerned Citizens of South Central Michigan

Key Water Quality Parameters:

Parameter	In Natural Streams (approx. values)	Of Concern	MI Water Quality Standard
Ammonia	0.01-0.10 mg/L	above 0.10 mg/L	-----
Phosphorus	0.05-0.10 mg/L	above 1.0 mg/L	1.0 mg/L or less (max. monthly average)
Nitrate	varies	above 10 mg/L	10 mg/L or less (drinking water)
BOD5	4-10 mg/L	above 15.0 mg/L	-----
Dissolved Oxygen (DO)	5-13 mg/L	below 5 mg/L	5.0 mg/L or higher (warmwater streams) 7.0 mg/L or higher (coldwater streams)
Fecal Coliform	varies	above 2,000 mg/L	-----
<i>E. coli</i> bacteria	varies	above 1,000/100 ml	130/100 ml or less (as 30-day geometric mean) total body contact (May 1-Oct 31) 1,000/100 ml or less partial body contact (year round)

adapted from "Key Sampling Parameters" fact sheet, Ohio EPA; Michigan Water Standards (Administrative Rules Part 4, P.A. 451, Natural Resources and Environmental Protection Act); and from <http://www.epa.gov/safewater/mcl.html>