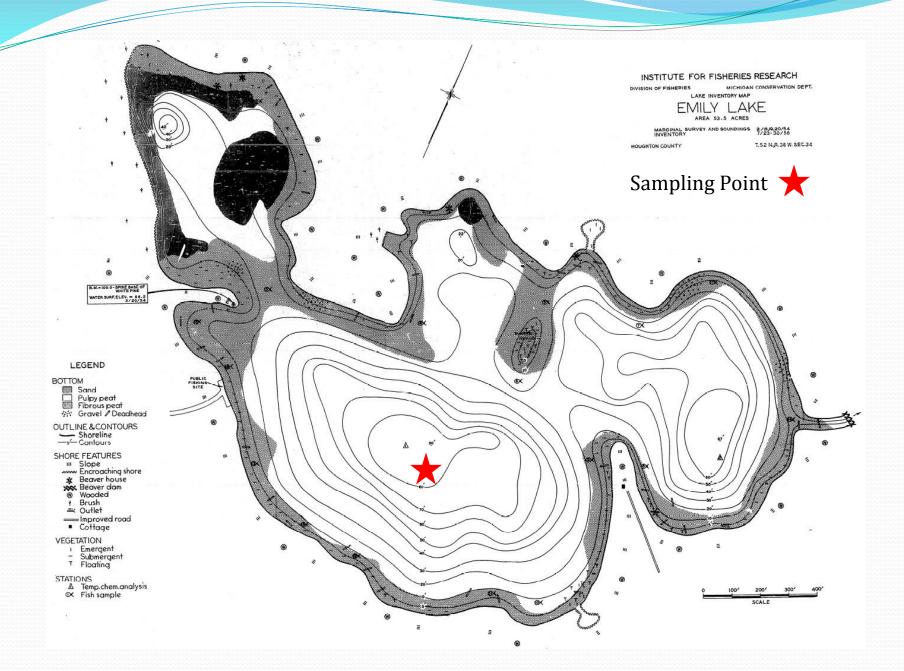




Emily Lake 2011



Review of Findings: Emily Lake

PARAMETER	FINDING	INTERPRETATION
Lake Type	Groundwater drainage	Outlet only
рН	6.75	Nearly neutral
Alkalinity	4.0 ppm	Mod. sensitivity to acid rain
Hardness	4.7 ppm	Soft water
Secchi (clarity)	13.2 feet	Good
Chlorophyll 'a'	1.0 ppb	Little planktonic algae
Tot. Phosphorus	Non detect (ppm)	Very good/excellent quality
Total Nitrogen	0.40 ppm	Ratio N:P indicates P-limited
Trophic Status	TSI (chlorophyll) =30.6	Mesotrophic - Oligotrophic
Conductivity	13.6 μS/cm	Very little dissolved material
Escherichia coli	4 (MPM/100ml)	Low fecal contamination

Historic comparison: 1978 MDEQ measures comparable; Secchi of 18 in '78