2022-2023 Lake Sampling Parameters

Indicator Type	Indicator	Statistical Lakes	Statewide Reference (by Ecoregion), Targeted Regional (Water Region)	Targeted Regional (Water Region)
Trophic Indicators	Vertical profile measurements (DO, Temperature, pH)	x	x	x
	Secchi Disk transparency	x	x	x
	Water chemistry	Chloride Conductivity Turbidity Alkalinity Hardness Sulfate	Chloride, Conductivity, Turbidity, Alkalinity Hardness, Calcium, Magnesium, Sodium, Potassium, Sulfate, True Color, Apparent Color, Total Suspended Solids	Chloride Conductivity Turbidity Alkalinity Hardness Sulfate
	Nutrients	TP, NH3, TKN, NO2-NO3, DOC	TP, Ortho P, NH3, TKN, NO2-NO3, DOC	TP, NH3, TKN, NO2-NO3, DOC
	Chlorophyll-a	x	x	x
Ecological Integrity	Physical habitat characterization	x	x	x
	Visual Assessment	x	x	x
Human Use	Phytoplankton (cyanobacteria)	Checked during each visit with handheld fluorometer		
	Algal toxins (cyanotoxins) per section 11.6	x	x	x

Number of Lakes	Total Number of lakes sampled/ category	250; 5 panels of 50 lakes sampled over 25 years	8 reference, Duhernal Lake (targeted regional)	10
Duration	Time period to sample all lakes	4 years/ 50 lake statewide panel	2 year/statewide, 2 year/Duhernal Lake	2 years/ region
Frequency	samples /year	12-13 lakes per year, 4X Mar-Nov	Reference 1X, Jul 24-Aug 7 (±1 week); Duhernal Lake 9X, Mar 1-Nov 30	4X March-Nov
Sites/lake	in-lake stations	As needed	As needed	As needed