Summary

Bluewater Lake is located 16 miles southeast of Suomi, MN in Itasca County. It is part of the Wabana Chain of Lakes Association (WCOLA). WCOLA is involved in many projects including water quality monitoring and education.

Bluewater Lake has no inlets and one outlet, which classify it as a groundwater drainage lake. Water exits Bluewater Lake from Wabana Creek on the south side of the Lake and carries water south to the Mississippi River.

Water quality data have been collected on Bluewater Lake from 1988-2015 (Tables 2 & 3). These data show that the lake is oligotrophic (TSI = 35) with very clear water conditions most of the summer and excellent recreational opportunities.



Lake Vitals		Long-term Trends
MN Lake ID:	31-0395-00	Recommend minimum of 8-10 years of
Ecoregion:	Northern Lakes and Forests	per season. Minimum confidence accep
Major Watershed:	Mississippi R. –Grand Rapids	
Surface area	359 acres	
% Littoral area:	21%	Phosphorus: No Trend (1991, 1999, 20 2015, 2020)
Max depth:	120 (ft) 37 (m)	Chlorophyll-a: No Trend (1999, 2003, 20
Aquatic Invasive Species:	None	Secchi Depth: No Trend (1992-2016)

Site

202

8.7

4

18

Water Quality Characteristics

Total Phosphorus Mean (ug/L):

Total Phosphorus Min (ug/L):

Parameters

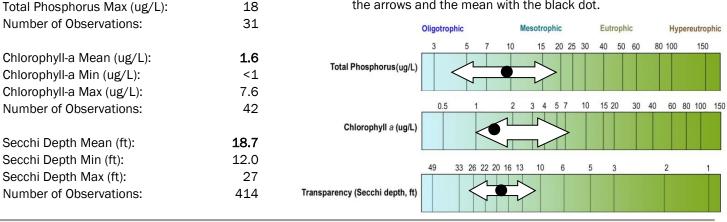
f data with 4+ readings pted by MPCA is 90%

003, 2005, 2008, 2014-2010-2011, 2014-2015) (OTO) ени (таа

Trophic State Index

Trophic State: Oligotrophic (35)

The figure below shows the minimum and maximum values with the arrows and the mean with the black dot.



Historical Data Summary

Monitoring Program

Citizen Lake Monitoring Program Clean Water Legacy Surface Water Monitoring MPCA Lake Monitoring Program Project Lake Monitoring Program Itasca County Lake Assessment (+JLCWP) Paleo Lakes Bigfork River Watershed Priority Waters Assessment WCOLA

Laboratory

Natural Resource Research Institute Itasca Community College

1988-2016 2015 1988, 1991 2000, 2020 2001-2002 2001-2002 2001-2002 2010-2011. 2014

Years

Itasca County