



Water-Data Report 2009

**482808092504901 KABETOGAMA LAKE AT EKS BAY NEAR ASH RIVER, MN**

Rainy Basin  
Rainy Lake Subbasin

LOCATION.--Lat 48°28'08.1", long 92°50'48.6" referenced to North American Datum of 1983, St. Louis County, MN, Hydrologic Unit 09030003.

**WATER-QUALITY RECORDS**

REMARKS.--This site is part of a nutrient cycling study in Kabetogama Lake, Voyageurs National Park. Objectives of this study are to determine if the changes in Kabetogama Lake water levels since a change in rules governing dam operation (2000 rule curves) are affecting algal production (chlorophyll-a) and nutrient enrichment (total phosphorus) in the lake. Another objective is to assess nutrient loading to the lake from inflow sources and the potential contribution of nutrients from lake bottom sediment.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Time	Medium name	Chlorophyll a phyton, acid m, µg/L (32211)	Total microcystin, wat unf extract ELISA, µg/L (65210)
Sep 08...	1112	Surface water	72.7	.9
10...	0112	Surface water	--	110