



Minnesota Pollution Control Agency

520 Lafayette Road
St. Paul, MN 55155-4194

Woodcock Lake, Kandiyohi County

National Lake Assessment Project (NLAP)

Sample Date: July 24, 2007

Minnesota Lake ID: 34-0141

Area: 180 acres

Watershed Area: 808 acres

Ecoregion: North Central Hardwoods Forests (NCHF)

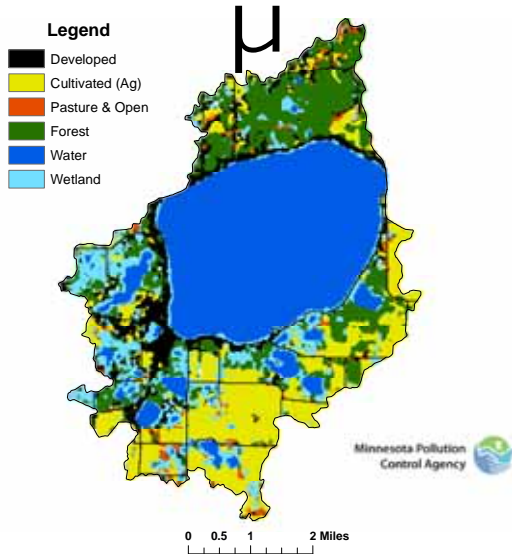
NLAP ID: 1239

Maximum Depth: 9 ft

Mean Depth: 7 ft



Woodcock Lake Land Use



Land Use	Woodcock Lake Land Use %	NCHF Typical Land Use %
Developed	10	2-9
Cultivated (Ag)	19	22-50
Pasture & Open	2	11-25
Forest	17	6-25
Water & Wetland	51	14-30
Feedlots (#)	6	

Minnesota 2000 Level 1 Landsat Landcover Classification.img

University of Minnesota Remote & Geospatial Analysis Lab

Woodcock Lake 2007 as compared to typical range for NCHF ecoregion reference lakes. Single NLAP visit based on U.S. Environmental Protection Agency protocol as compared to typical range for summer-means.

Parameter	Woodcock Lake	NCHF
Number of reference lakes	1	43
Total Phosphorus (µg/L)	117	23 - 50
Chlorophyll-a (µg/L)	83	5 - 22
Secchi Disk (feet)	1.5	4.9 - 10.5
(meters)	0.45	(1.5 - 3.2)
Total Kjeldahl Nitrogen (mg/L)	3.3	< 0.60 - 1.2
Alkalinity (mg/L)		75 - 150
Color (Pt-Co U)	9	10 - 20
pH (SU)	9.2	8.6 - 8.8
Chloride (mg/L)	34	4 - 10
Total Suspended Solids (mg/L)		2 - 6
Total Suspended Inorganic Solids (mg/L)		1 - 2
Conductivity (umhos/cm)	368	300 - 400
TN:TP ratio	28:1	25:1 - 35:1
Microcystin(µg/L)	Near Shore	<10 Low Risk
WHO risk Category*	Index Site	10-20 Moderate Risk
	4.9	20- 200 High Risk
	4.1	

* Guidelines for safe recreational water environments (World Health Organization, 2003)

µg/L = micrograms per liter
 mg/L = milligrams per liter
 umhos/cm = micromhos per centimeter

Pt-Co-U = Platinum Cobalt Units
 SU = Standard Units

Mixing Status: mixed with no temperature layer (polymictic)

**Temperature and Dissolved Oxygen Profile for Woodcock Lake. July 24, 2007.
 Temp. (C) and DO (mg/L)**

