



Minnesota Pollution Control Agency

520 Lafayette Road
St. Paul, MN 55155-4194

South Drywood Lake, Swift County

National Lake Assessment Project (NLAP)

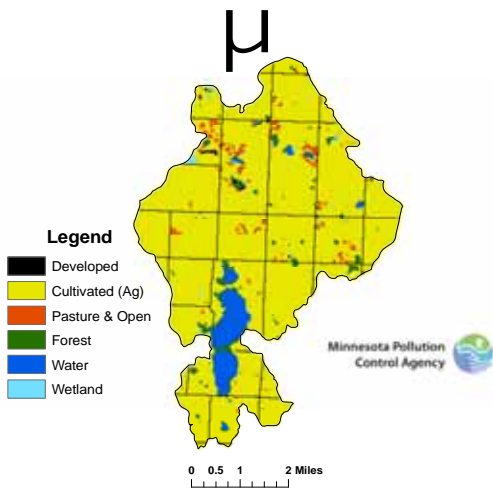
Sample Date: July 12, 2007

Minnesota Lake ID: 76-0149
Area: 203 acres
Watershed Area: 15,068 acres
Ecoregion: Northern Glaciated Plains (NGP)

NLAP ID: 0871
Maximum Depth: 3.5 ft
Mean Depth: 3 ft



North Drywood Lake Land Use



Land Use	N. Drywood Land Use %	NGP Typical Land Use %
Developed	4	0 – 2
Cultivated (Ag)	86	60 – 82
Pasture & Open	2	5 – 15
Forest	2	0 – 1
Water & Wetland	6	8 – 26
Feedlots (#)	2	

Minnesota 2000 Level 1 Landsat Landcover Classification.img

University of Minnesota Remote & Geospatial Analysis Lab

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

Parameter	North Drywood	NGP
Number of reference lakes	1	13
Total Phosphorus (µg/L)	407	122 – 160
Chlorophyll-a (µg/L)	256	36 – 61
Secchi Disk (feet)	0.7	1.3 - 2.6
(meters)	0.2	0.4 – 0.8
Total Kjeldahl Nitrogen (mg/L)	5.4	1.8 – 2.3
Alkalinity (mg/L)		160 – 260
Color (Pt-Co U)	26	20 – 30
pH (SU)	8.6	8.3 – 8.6
Chloride (mg/L)	21	11 - 18
Total Suspended Solids (mg/L)		10 – 30
Total Suspended Inorganic Solids (mg/L)		5 – 15
Conductivity (umhos/cm)	626	640 – 900
TN:TP ratio	13:1	13:1 - 17:1
Microcystin(µg/L)	Near Shore	<10 Low Risk
WHO risk Category*	Index Site	10-20 Moderate Risk
	0.85	20- 200 High Risk

* 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 North Drywood. July 12, 2007.
Temp (C) and DO (mg/L)

