

Sauk River Watershed District



Citizen Water Sampling Report for Pleasant Lake, 2006

Sauk River Watershed District

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**LAKE WATER QUALITY SUMMARY
INFORMATION FROM MN DNR LAKE FINDER**

Physical Information

Name: PLEASANT LAKE

DNR Lake ID number: 73-0051

County: STEARNS

Location from nearest town: 5 MI SW OF ST. CLOUD

Latitude/Longitude: 45.49305556/-94.28638889

Ecoregion: Central Hardwood Forest

Basin: Upper Mississippi River Basin

Hydrologic Unit Code: 7010202

Surface Area: 222 acres

Maximum depth: 33 feet

Water Body Type: Lake

LAKE CHARACTERISTICS

Lake Area (acres): 222.00

Littoral Area (acres): 100.00

Maximum Depth (ft): 33.00

Water Clarity (ft): 8.00

Dominant Bottom Substrate: N/A

Abundance of Aquatic Plants: N/A

Maximum Depth of Plant Growth (ft): N/A

MONITORING

Site	Sample Date	TSS mg/L	NH3+N mg/L	TKN mg/L	TP mg/L	Cl-a ug/L
Pleasant Lake	5/13/2006			0.5	0.06	5.5
Pleasant Lake	5/27/2006			0.5	0.025	3.8
Pleasant Lake	6/10/2006	4				3.2
Pleasant Lake	6/24/2006		0.06		0.039	9
Pleasant Lake	6/26/2006	6		0.469	0.03	2.5
Pleasant Lake	7/16/2006	4			0.025	2.5
Pleasant Lake	7/28/2006	4	0.05		0.025	2.5
Pleasant Lake	8/4/2006	9	0.05		0.12	4.3
Pleasant Lake	8/27/2006	5	0.13		0.025	8.1
Pleasant Lake	9/9/2006	0.25	0.403		0.1	6.7
Summer Averages		4.607142857	0.1386	0.4896667	0.049888889	4.81

Pleasant Lake compared to Eco-region averages			
	Pleasant Lake	Ecoregion Average	Acceptable/unacceptable
Total Phosphorus	0.049 mg/l	.023-.050 mg/l	Acceptable
Total Suspended Solids	4.60 mg/l	2-6 mg/l	Acceptable
NH3+N	0.1386mg/l	0.20 mg/l	Acceptable
Total Kjeldahl Nitrogen	0.49 mg/l	<0.60-1.2 mg/l	Acceptable
Chlorophyll-a	4.81 ug/l	7-37 ug/l	Acceptable