

## Meduxnekeag (Drew's) Lake Restoration Project: Phase I, NPS Watershed Survey #2001R-27B - WIFAP

Waterbody Name: Meduxnekeag (Drews) Lake  
Location: Linneus, New Limerick - Aroostook County  
Waterbody Status: NPS Priority Watersheds  
Project Grantee: Southern Aroostook SWCD  
Project Duration: November 2001 - December 2004  
319 Grant Amount: \$6,000  
Local Match: \$4,000 (ME Dept. Ag.), \$197 (local)



### PROBLEM:

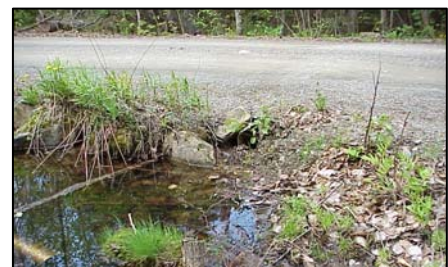
Meduxnekeag Lake is experiencing declining water quality (draft trend analysis) with reduced water clarity and the loss of oxygen in at 15 meter depth (3ppm). The lake is under ever increasing development pressure for both seasonal and year round homes.

In 1998, a Serve Maine AmeriCorps member helped local residents survey the residential sections of the watershed. The survey identified eroding driveways, poor ditching, poorly installed or maintained culverts, and a lack of buffers. However, the survey did not cover the forested lands and the woods access roads. The survey was also a few years old. The remaining sections of the watershed need to be surveyed and the problem sites from 1998 need to be evaluated resulting in a prioritization of NPS problem sites.

### PROJECT DESCRIPTION:

The Southern Aroostook SWCD worked closely with local land owners and the Drews Lake Property Owners Association to identify and confirm NPS problems either identified in the original 1998 work or review new issues. Working with Maine Forest Service staff, District staff surveyed the lands in forest management for NPS problem sites. The result is a complete survey with problems identified and prioritized.

The District determined that 50% of the NPS problems were related to roads, 30% residential, 15% forestry, and 5% recreation. Load reductions were calculated for 5 of the priority sites. If BMPs were to be implemented on these sites a total of 82 tons/yr of sediment, 137 lbs/yr of nitrogen and 82 lbs/yr of phosphorus would no longer be reaching the lake.



*Crushed culvert identified in survey*

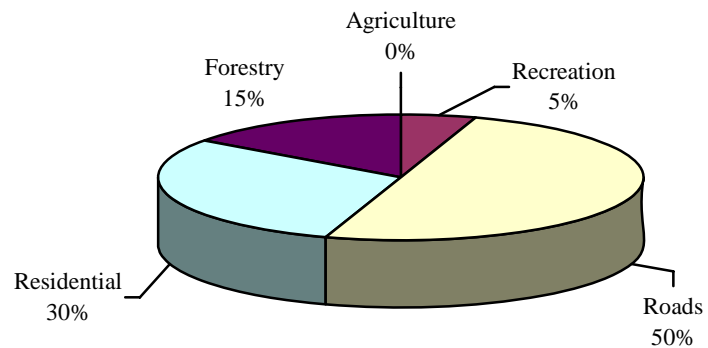
## PROJECT OUTCOMES:

- The whole watershed (10,654 acres) has now been surveyed.
- NPS sites in the watershed were identified and ranked.
- A partnership with Drews Lake Property Owners Association was created.
- An implementation project (#2002R-24A - Meduxnekeag Lake Restoration Project) was started to fix some of the priority sites identified in the watershed survey.



*Scouring of ditch. Long run with no cross culverts or turnouts.*

## Breakdown of Sites by Land Use



## PROJECT PARTNERS:

USDA Natural Resource Conservation Service, Houlton Office

Maine Forest Service, Southern Aroostook Office

St. John Resource Conservation and Development

Drews Lake Property Owners Association

## CONTACT INFORMATION:

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