

North Perley Brook Watershed Survey

#2003R-16B WIFAP

Waterbody Name: North Perley Brook

Location: Ft. Kent, Aroostook County

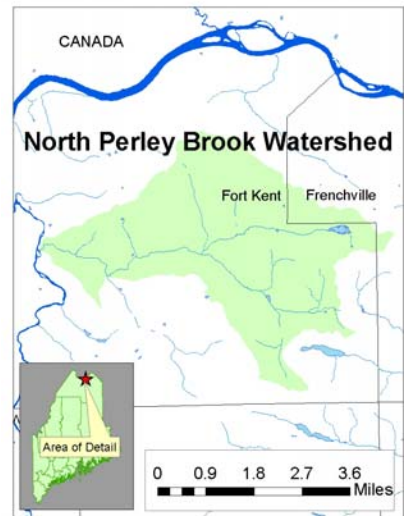
Waterbody Status: NPS Priority Watershed

Project Sponsor: St. John Valley SWCD

Project Duration: January 2004 - October 2005

319 Grant Amount: \$6,000

Local Match: \$2,110 (local), \$2,000 ME Dept. of Ag.)



PROBLEM:

The 12,500-acre Perley Brook watershed begins just east of Ft. Kent where it flows back toward the Fish River. The Brook is divided into a South and a North branch and has several unnamed tributaries. The entire Perley Brook watershed is listed as a "Nonpoint Source Priority Watershed" because it is threatened with not attaining Class B water quality standards due to agricultural runoff from both livestock and row crop activities. There is also active forest management, residential and recreational activities in the watershed. Measures have been taken in the past to curb some of these sources, including work done by the Soil Conservation Service (Natural Resource Conservation Service) during the mid-1970s and the mid-1980s, where several flood control structures were built under the PL-566 program.

In 2001, a 319-funded watershed survey was completed of the South Perley Brook subwatershed. A BMP implementation project was conducted in this subwatershed with a 319 and Maine Department of Agriculture grant. The 8,000 acre North Perley Brook watershed had not yet been surveyed.

PROJECT DESCRIPTION:

The goal of this project was to conduct a watershed survey of the North Perley Brook watershed. This will allow landowners and agencies to target their resources and implement BMPs to protect and improve Perley Brook's water quality.

St. John SWCD, local landowners and NRCS staff identified 15 NPS problem sites and recommended potential BMPs to rectify the problems. In addition, students from the University of Maine at Ft. Kent accompanied staff on the survey to learn about NPS issues. The District placed articles in the local paper and contacted the municipality regarding the project. Maps and a report were prepared describing the problems found and possible solutions.



Suggested Citation:

Maine Department of Environmental Protection (2006) "Nonpoint Source Management Program 2005 Annual Report," Document# DEPLW0758. Augusta: MDEP.

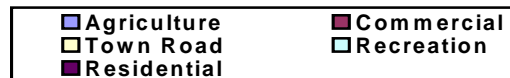
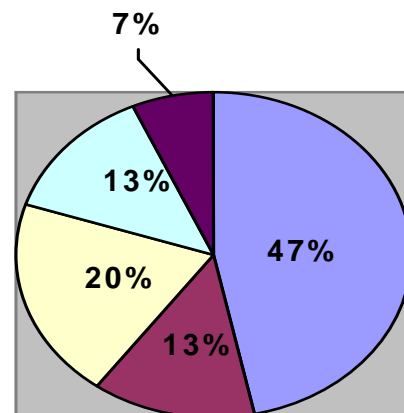
PROJECT OUTCOMES:

- District and NRCS staff identified 15 critical NPS pollution sites in the North Perley Brook watershed. By completing the North Perley Brook watershed survey, the entire Perley Brook watershed has now been surveyed.
- 15 NPS pollution sites were identified including 7 agricultural areas, 4 municipal roads, 2 residential areas, 2 recreation areas and 1 commercial site.
- Students from the University of Maine at Ft. Kent assisted in the survey and learned about NPS pollution and water quality issues. They prepared a MS PowerPoint presentation to share this information with their classmates.

2004 North Perley Brook Watershed Survey Results *Identified by Land Use Type*



University of Fort Kent Environmental Studies students receive survey training.



PROJECT PARTNERS:

United States Dept. of Agriculture, Natural Resource Conservation Service

University of Maine at Ft. Kent, Environmental Studies students.

CONTACT INFORMATION:

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