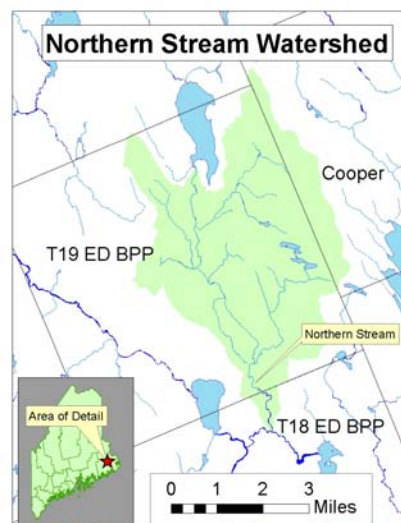


# Northern Stream Protection Project

#2003R-18 - WIFAP

Waterbody Name: Northern Stream  
Location: T18 and T19 – Washington County  
Waterbody Status: NPS Priority Watershed  
Project Sponsor: Washington County SWCD  
Project Duration: January 2004 – February 2006  
Grant Amount: \$60,000  
Local Match: \$22,000 (local), \$20,000 (ME Dept. Ag.)



## PROBLEM:

The East Machias River is listed as a NPS Priority Watershed because it contains endangered Atlantic Salmon. Northern Stream is considered the highest priority tributary of the East Machias River since it contains the most productive spawning and rearing habitat of any subwatershed in the East Machias drainage.

In 2002 the East Machias River NPS Watershed Survey identified 28 high priority NPS sites in the Northern Stream subwatershed, which cumulatively contribute many tons of sediment to the stream. NPS pollution in the form of sediment is identified in the "Atlantic Salmon Recovery Plan" as one factor hindering the recovery of Atlantic Salmon populations because of its detrimental effect on spawning and rearing habitat.

## PROJECT DESCRIPTION:

This primary purpose of the project was to install BMPs at 22 high priority NPS sites from the Northern Stream watershed survey. The project also educated landowners (timber companies) and their road maintenance crews on proper BMPs so that they may implement them on other projects and avoid similar problems in the future. Press releases were submitted at the beginning and end of the project to update the community about the project.



New culvert installed and armored with stone riprap.

## PROJECT OUTCOMES:

- The project successfully fixed 22 NPS sites in the Northern Stream watershed. Projects included two bank stabilizations; 14 culvert replacements or new installations with BMP stabilization; and six roadside ditch stabilization with turnouts.
- The project reduced the amount of sediment washing into Northern Stream by an estimated 2000 tons of sediment annually (USEPA Region 5 Method).
- Atlantic Salmon Commission biologists will perform ongoing embeddedness surveys as a means of gathering data on the effects of sedimentation in the stream and the positive effect of fixing the above mentioned NPS sites.

New culvert installed and stabilized with grass and stone.  
'Beaver deceiver' installed to prevent new dam construction.



## PROJECT PARTNERS:

Maine Department of Agriculture  
East Machias Watershed Council  
Malcolm French, landowner  
Atlantic Salmon Commission

## CONTACT INFORMATION:

Greg Beane, DEP – (207) 941-4292, Gregory.E.Beane@maine.gov  
Nate Pennell, Washington County SWCD – (207) 255-4659, conservation@maineline.net