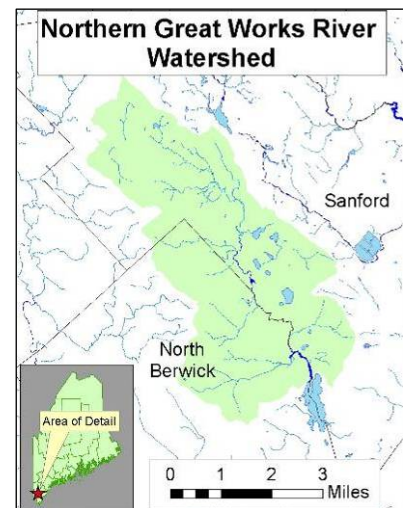


# Northern Great Works River Watershed Improvement Project, Phase I #2006R-2

Waterbody Name: Northern Great Works River  
Location: Sanford and North Berwick – York County  
Waterbody Status: NPS Priority Watershed  
Project Grantee: York County SWCD  
Project Duration: April 2006 – October 2008  
319 Grant Amount: \$30,760  
Local Match: \$31,972



## PROBLEM:

The Northern Great Works River watershed covers approximately 16.4 square miles and is part of the larger Great Works River watershed, which flows through six towns and empties into the Salmon Falls River. Portions of the watershed are highly developed, particularly in the Goodall Brook subwatershed in the Town of Sanford. According to the Maine DEP's TMDL report for the Salmon Falls River (May, 1999), the Great Works River is the single largest contributor of NPS pollution to the Salmon Falls Estuary. The Great Works River Watershed Coalition conducts water quality monitoring on 18 sites in the watershed.

From 2001 - 2006 local volunteers and technical staff conducted NPS surveys in the watershed and identified 142 erosion sites along roads, parking areas, fields, stream banks and foot paths. 64 sites were identified in the Northern Great Works River watershed. In 2007 the Goodall Brook Hotspots survey collected additional information on NPS sources and restoration opportunities in the Goodall Brook watershed. The *Great Works River Watershed Management Plan* was completed in January 2007.

## PROJECT DESCRIPTION:

The main goal of this project was to address 20 of the 64 sites identified in the 2004 survey of the Northern Great Works River watershed. A secondary goal of the project was to continue raising awareness in the watershed and the local community through landowner technical assistance; presentations to the Towns of Sanford and North Berwick and the Bauneg Beg Lake Association; press releases; and a community roundtable workshop.

Construction projects were coordinated by the staff from York County SWCD and FB Environmental with help from local volunteers. Many of the projects were completed in partnership with the Town of Sanford along town roads and a town park.



## PROJECT OUTCOMES:

- The project installed BMPs to fix erosion problem on 20 NPS sites. Sites included a variety of land uses including town roads, a town park and streambank areas. The project provided technical assistance visits at 10 sites including a golf course and wastewater outfall.
- Pollutant loading to the Northern Great Works River was reduced by an estimated 11.6 tons of sediment and 9.9 pounds of phosphorus per year (Region 5 Method).
- Project staff collaborated with the Maine Nonpoint Source Education for Municipal Officials (NEMO) program to hold a classroom training and field session on stormwater management and “good housekeeping” for water quality protection. Participants included 20 people from Sanford’s public works department and 12 participants from North Berwick’s public works department.
- An AmeriCorps group based out of Washington D.C. worked for several days in 2007 and 2008 to remove hundreds of pounds of the invasive plant Japanese knotweed from a 300-foot long section along Goodall Brook. They covered the banks with weed barrier and replanted the area with 100 native trees and shrubs. The project was featured in an article in the Sanford News in 2007.



Goodall Brook Buffer Restoration Project – National AmeriCorps volunteers worked for several days in 2007 and 2008 to remove Japanese Knotweed along 300 feet of streambank and replanted the area with over 100 native trees and shrubs. Weed barrier and a thick layer of Erosion Control Mix were placed between plantings to control the regrowth of the knotweed.

## PROJECT PARTNERS:

Bauneg Beg Lake Association  
Great Works River Watershed Coalition  
Nonpoint Education for Municipal Officials (NEMO)  
Town of Sanford  
Town of North Berwick  
National Conservation Corps, AmeriCorps

## CONTACT INFORMATION:

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