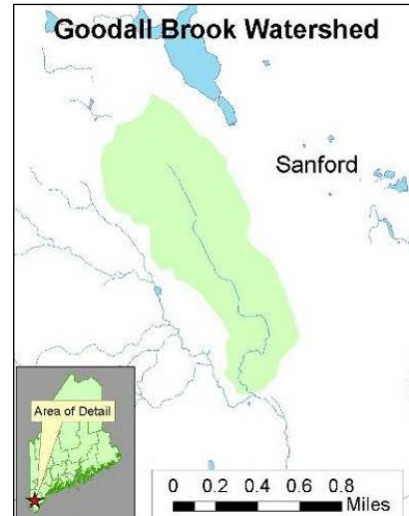


# Goodall Brook Survey and Hotspot ID Project

#2007PP09

Waterbody Name: Goodall Brook  
Location: Sanford – York County  
Waterbody Status: Tributary to NPS Priority Watersheds  
(Great Works River and Bauneg Beg Pond)  
Project Grantee: York County SWCD  
Project Duration: April 2007 – March 2009  
604(b) Grant Amount: \$14,635  
Local Match: \$11,300



## PROBLEM:

Goodall Brook is a tributary of the Great Works River and Bauneg Beg Pond, both of which have been identified by DEP as High Priority NPS Watersheds. Goodall Brook has a 0.6 square miles watershed within the 16.4 square mile Northern Great Works watershed. Goodall Brook's watershed has a mix of commercial, residential and recreational land uses, with approximately 29% of the watershed area being comprised of impervious surfaces. In 2004, York County SWCD conducted a 319-funded watershed survey of the Northern Great Works watershed. This survey identified numerous sites affecting Goodall Brook. However, due to the high density development in Goodall Brook's watershed, it became apparent that a more detailed assessment was needed.

## PROJECT DESCRIPTION:

The primary purpose of this project was to identify and prioritize "hot spot" sources of stormwater runoff from residential and commercial properties in the Goodall Brook watershed. The survey used the Neighborhood Source Assessment (NSA), Streets and Storm Drains (SSD) and Hotspot Site Investigation (HSI) survey techniques developed by the Center for Watershed Protection.

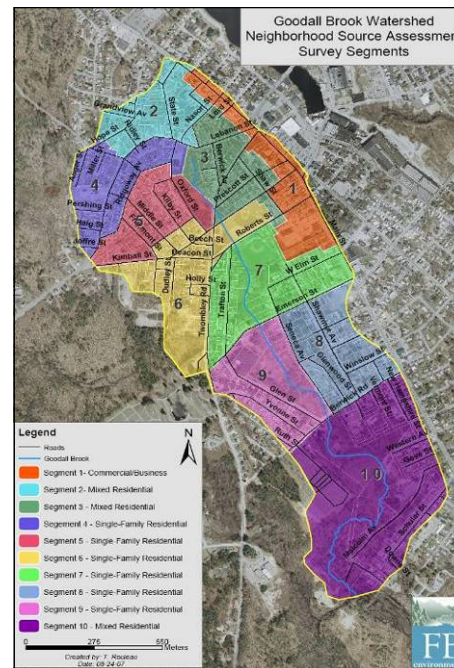
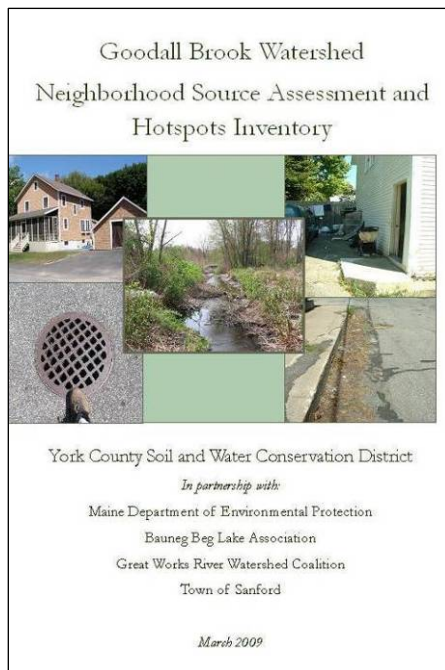
On August, 28, 2007, 18 volunteers and staff collected information and completed the three types of surveys in 10 neighborhood sectors. The NSA survey evaluated yard and lawn conditions, driveways, sidewalks and curbs, rooftop runoff and common areas. The SSD survey evaluated pollutant accumulation on street surfaces and near storm drains. The HSI survey evaluated vehicle operations and parking, outdoor storage of materials, turf management, waste management and stormwater infrastructure.



On July 23 and September 5, 2008, technical staff completed a rapid geomorphic assessment (RGA) of the upper, middle and lower portions of Goodall Brook. The purpose of the assessment was to assess stream channel dynamics and gain a better understanding of the riparian corridor and substrate conditions for each representative stretch of the stream.

## PROJECT OUTCOMES:

- The *Goodall Brook Watershed Neighborhood Source Assessment and Hotspots Inventory* was completed in March of 2009. The report outlined the survey process, key findings from each survey, and a list of retrofit opportunities and recommendations. Survey methods were adapted from The Center for Watershed Protection's methods for *Neighborhood Source Assessment (NSA) and Hotspots Inventory (HSI)* surveys.
- The NSA survey found that 78% of the neighborhood sectors ranked as High impact on the NPS Pollution Severity Ranking Index. The HSI survey identified 11 potential hotspots, including five commercial businesses, five municipal properties and one housing complex.
- A rapid geomorphic assessment (RGA) was completed for three representative segments of Goodall Brook. A two-page summary of RGA findings was included in the project's survey report.
- Project and Maine DEP staff modified NSA and SSD forms to better fit the watershed and survey needs and used the new forms to survey Sector 10. The information gathered in this one sector provided more quantitative data and proved more useful in developing specific recommendations for the watershed. These new forms were later used in other DEP-funded survey projects.



## PROJECT PARTNERS:

Town of Sanford  
Bauneg Beg Lake Association  
Great Works River Watershed Coalition

## CONTACT INFORMATION:

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