

# 2009 Water Quality Protection Grants

## Narragansett Bay and Watershed Restoration Bond Fund Governmental Entities Nonpoint Pollution Projects

### **Newport: Easton Beach Stormwater UV Treatment System - \$2,500,000**

The project includes the design and construction of a treatment system that incorporates ultra-violet radiation to disinfect the discharge from the Easton Pond Moat during wet weather events. Bacterial contamination of water coming from the moat during storms has been responsible for closing Easton Beach for swimming.

### **Middletown: Vacuum Assisted Street Sweeper – \$70,000**

Frequent street sweeping is recognized as an effective means of reducing the pollutants that contaminate stormwater runoff and vacuum assisted sweepers have been proven more effective than traditional mechanical brush sweepers in the removal of pollutants from roads. The Town of Middletown will enhance its street sweeping efforts in the drinking water supply watersheds of Bailey Brook and Maidford River through the addition of a vacuum assisted sweeper to its fleet of street sweepers.

### **North Kingstown: Portable Catch Basin Cleaner and Trailer - \$30,000**

The efficacy of catch basins as a stormwater treatment measure is often reduced because their sumps are often clogged with debris. Having a portable catch basin cleaner will permit the Town of North Kingstown increase its annual catch basin cleaning efforts by 50% to 150%.

## Narragansett Bay and Watershed Restoration Bond Fund Riparian Buffer Restoration Projects

### **Blackstone River Watershed Council/Friends of the Blackstone/partners: Main Street Fish Ladder - \$645,000; Slater Mill Dam Fish Ladder – \$119,986**

These two projects in the Blackstone River will reestablish historic runs for fish species such as Atlantic salmon, American shad, and river alewife that have been obstructed for nearly 200 years.

### **Pawtucket River Council/Partners: Fish passage at Pawtuxet Falls - \$300,000**

Recent water quality improvements allow the Pawtuxet River to support fish but the Pawtuxet Falls Dam below Broad Street in Pawtuxet has prevented fish from migrating upstream from Narragansett Bay. This project involves the partial removal of the dam at Pawtuxet Village to restore fish access to the lower reach of the river.

### **Phenix Commons LLC: Phenix Mill Riverside Restoration -- \$17,500**

Phenix Mill, with 1000 feet of frontage on the Pawtuxet River, is the former site of a major mill complex in West Warwick. The project involves planting along the river to serve as a vegetated buffer, stabilizing the soil and preventing erosion.

**LaSalle Academy: Pleasant Valley Stream Restoration - \$9,550**

The purpose of the project is to restore the riparian buffer adjacent to the grounds of LaSalle Academy by removing invasive plants and replanting native species. The project is in accordance with a conceptual plan developed as part of a study done by DEM and EPA to identify restoration opportunities in the watershed.

**William and Debra Bokon: Stagecoach Inn Riverside Restoration - \$2,538**

An area between the Stagecoach Inn parking lot and the Wood River in Richmond is overgrown with invasive plants. The project will remove the invasive plants and reestablish native trees and shrubs.

**Arlene and Leonard Suzhotliff: Goose Deterrent Landscaping - \$2,190**

This project will establish a buffer in a landscaped area adjacent to Teal Pond to discourage geese, a source of fecal coliform pollution, from visiting the pond and to filter runoff from the property. This parcel was identified as a key site in a recent Green Hill Pond water quality study.

## **Federal Section 319 Nonpoint Source Grants**

**North Smithfield: Branch Village Stormwater Retrofit Project - \$174,810**

The Town will retrofit an existing direct stormwater discharge into the Branch River that currently provides no treatment from an 18-acre residential and industrial area. The existing discharge will be replaced with a constructed wetland that will achieve significant water quality improvements.

**East Providence: Bold Point Park Stormwater Abatement Project – \$80,000**

Funds will provide for initial work on design and implementation of stormwater best management practices (BMPs) in Bold Point Park located at the confluence of the Seekonk and Providence Rivers.

**Westerly: Bradford Streetscape Subsurface Gravel Wetland Design Project – \$60,000**

The Town will design a subsurface gravel wetland in the Bradford Village to improve the quality of stormwater entering the Pawcatuck River.

**Bristol: Town Beach Stormwater Project – \$47,030**

Stormwater collected from a large residential area currently flows untreated into Narragansett Bay adjacent to the Town Beach, which has had numerous beach closures due to high levels of bacteria. Funds will be used to design water quality treatment BMPs for removing the bacteria from the stormwater discharge.

**Town of Middletown: Newport Avenue Bioretention Stormwater Retrofit - \$42,696**

Middletown will design and construct bioretention structures to treat stormwater runoff that currently flows untreated from the Newport Avenue outfall into Easton's Bay. Stormwater from this outfall contributes to the elevated bacteria levels in the Bay that has resulted in multiple beach closures in recent years.

**City of East Providence: Bold Point Park Riparian Buffer Restoration Project – \$20,000**

Funds will provide for the elimination of phragmites in a riparian buffer and replacement with native vegetation in an area of Bold Point Park.

**Providence Water Supply Board: Rockland Stream Restoration - \$15,000**

A pipe was installed alongside a dam as part of a historic mill works on property currently owned by the Providence Water Supply Board in the Clayville section of Scituate. Although the mill is closed, the pipe still exists in a deteriorated condition that is causing bank erosion and damage to the stream channel. The project involves restoring the riparian buffer to its natural condition so that it will protect water quality in the Scituate reservoir by preventing erosion and filtering runoff.

**Town of Warren: Onsite Wastewater Management Implementation – \$13,200**

The Town will implement elements of its draft Onsite Wastewater Management Plan for the Touisset Point and Touisset Highlands area to improve groundwater quality depended on by residents for drinking water.

**Town of Warren: Road Salt Storage Structure - \$100,000**

The Town of Warren will construct a salt storage structure at its Public Works facility. The site is located in the Kickemuit Reservoir watershed. At present, road salt and road/salt/sand mixtures are stored uncovered at the site.

**Town of Westerly: Road Salt Storage Structure - \$75,000**

The Town of Westerly will use the funds to construct a new salt storage structure at its re-located public works facility. The structure will eliminate the runoff from uncovered salt and salt/sand mixture piles. The new site is in the Pawcatuck River watershed. These funds will be combined with a prior grant of \$99,900 to complete the project.

**Narragansett: Narrow River Pet Waste Management Stations – \$3,835**

The Town will purchase and install 10 Pet Waste Management Stations in the Narrow River watershed to reduce pathogen pollution from pet waste.