

## RIPARIAN RESTORATION PROJECT

# HAMLEN FARM LOPATCONG CREEK LOPATCONG TOWNSHIP

### Riparian Forest Buffers

Communities of trees, shrubs and other plants growing along streams and lakes.

### Buffer Benefits

Protect and enhance the water quality of streams and their aquatic environments by filtering non-point source pollutants such as sediment and nutrients from storm water runoff. Buffers also reduce streambank erosion and provide improved wildlife and fisheries habitat.

Additional Buffer Information:  
[www.northjerseyrcd.org](http://www.northjerseyrcd.org)  
or  
[www.rce.rutgers.edu/njriparianforestbuffers](http://www.rce.rutgers.edu/njriparianforestbuffers)



North Jersey  
Resource  
Conservation  
and  
Development

54 Old Highway 22  
Suite 201  
Clinton, NJ 08809-1389

Phone: 908-735-0733

Objectives of the Riparian Forest Buffer Projects were to demonstrate:

1. Effective site design utilizing naturally-occurring plant communities
2. Design flexibility that can incorporate such things as aesthetics, recreation and environmental benefit to a waterway in a natural area
3. The use of native plants

Waterway Buffered: Lopatcong Creek

Location: Hamlen Farm off Route 519, Lopatcong Township, Warren County

Description: The property is owned by Warren County. It has active crop fields south of the creek and future plans will incorporate a passive recreation area. Currently the fields north of the creek are mowed yearly but are not cultivated. The project area had a few native plantings survive from a previous buffer project, however the majority of the previous plantings did not survive. The completed buffer consists of 251 native trees representing 10 different species and 481 native shrubs representing 9 different species.

Size: 2,500 feet long , 6 acres

Planting Date: September 2006

Total Cost: \$37,564.00



Prior to planting December 2004

## RIPARIAN RESTORATION PROJECT

# HAMLEN FARM LOPATCONG CREEK LOPATCONG TOWNSHIP

### Dominant Trees & Shrubs Planted

#### Trees:

- Red Maple
- Silver Maple
- Black Birch
- River Birch
- Gray Birch
- White Ash
- Sycamore
- Pin Oak
- Red Oak

#### Shrubs:

- Red chokeberry
- Sweet pepperbush
- Silky Dogwood
- Red osier dogwood
- Southern Arrow-wood
- Witch Hazel
- Nannyberry
- Cranberry
- Blackhaw

#### Additional Buffer Information:

[www.northjerseyrcd.org](http://www.northjerseyrcd.org)  
or  
[www.rce.rutgers.edu/njriparianforestbuffers](http://www.rce.rutgers.edu/njriparianforestbuffers)

**Project Partners & Volunteers:** The riparian forest buffer demonstration is part of a larger regional project, it was coordinated and implemented by North Jersey RC&D. The design was created by North Jersey RC&D and Natural Resources Conservation Service (NRCS) staff. Volunteers from NJ Youth Corps, Warren County Department of Transportation, Warren County Department of Corrections Sheriff's Labor Assistance Program and Chip Pfeiffer Contracting, LLC were invaluable participants in the planting and establishment of this planting site.

**Project Funding:** Originated from U.S. Environmental Protection Agency Nonpoint Source Pollution 319h grant program administered by the NJ Department of Environmental Protection through a grant awarded to the North Jersey RC&D. Additional funds utilized from the NRCS Wildlife Habitat Incentives Program (WHIP).

#### Design Components

1. Buffer Installation: deer resistant species, keep view-shed with area of shrub planting, plant flood-tolerant species
2. Install larger plant material to higher success rate of project
3. Provide shade for the trout production category one waterway



Just after planting September 2006