

RIPARIAN RESTORATION PROJECT

LAKE MUSCONETCONG NETCONG BOROUGH

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
or
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 & environmental benefit to a waterway in a natural area
3. The use of native plants
4. Control lakeshore erosion

Waterway Buffered: Lake Musconetcong

Location: Lake Musconetcong, Netcong Borough, Morris County

Description: The property is owned by the NJ Division of Parks and Forestry and locally managed by the Hopatcong State Park staff. The area offers passive recreation opportunities and access to the lake for fishing. The project area contained a single line of older trees about 50 feet from the shoreline. The completed buffer consists of 22 native trees representing 7 different species, 30 native shrubs representing 4 different species and 80 herbaceous plants.

Size: 150 feet long , 0.15 acres

Planting Date: May 2006

Total Cost: \$5,575.00



Site prior to planting August 2005

RIPARIAN RESTORATION PROJECT

LAKE MUSCONETCONG NETCONG BOROUGH

Dominant Trees & Shrubs Planted

Trees:

- Red Maple
- Sugar Maple
- Shadbush
- River Birch
- Gray Birch
- Tulip Poplar
- American plane tree

Shrubs:

- Summersweet
- Grey Dogwood
- Southern Arrowwood
- Nannyberry

Herbaceous:

- Joe Pye weed
- Blue Flag Iris
- Lizardtail
- Switchgrass
- New England Aster
- Royal Fern

Additional Buffer Information:

www.northjerseyrcd.org
or
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 Boy Scout Troop #88 along with the Hopatcong State Park staff 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.

Design Components

1. Buffer Installation: deer resistant species
2. Over plant to discourage geese on land from the lake
3. Designated access areas for public for access to the lake shore
4. Showcase ease and the low cost of a native buffer planting to area residents that protects the lakeshore and helps to decrease non-point source pollution into the lake



During planting May 2006