

RIPARIAN RESTORATION PROJECT

ASHLEY COVE LAKE HOPATCONG JEFFERSON 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
or
www.rce.rutgers.edu/njriparianforestbuffers



North Jersey
Resource
Conservation
and
Development

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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 lake in an suburban area
3. The use of native plants
4. Control stormwater runoff into the lake

Waterway Buffered: Lake Hopatcong

Location: Ashley Cove, Jefferson Township, Morris County

Description: This property is township owned with access to Lake Hopatcong with the future use as a passive recreation area. The water quality in this section is designated as a Trout Maintenance (TM) a waterway. The top bank along the road is fairly level, however the back slope to the lake is steep. The completed buffer consists of 16 native trees representing 3 different species & 76 native shrubs representing 6 different species.

Size: 400 feet long , 0.52 acres

Planting Date: May 2006

Total Cost: \$4353.23



Site prior to planting April 2005

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Dominant Trees & Shrubs Planted

Trees:

- Red Maple
- Sycamore
- Pin Oak

Shrubs:

- Smooth Alder
- Grey Dogwood
- Witch Hazel
- Nannyberry
- Red Chokecherry
- Blackhaw

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 the Lake Hopatcong Commission, Jefferson Township Department of Public Works and township residents were invaluable participants in the planting and establishment of this project.

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. Re-vegetate corner property with native species
3. Leave a designated area unplanted for weed harvester access to the lake
4. Leave a designated area unplanted to allow for future picnic area



After planting May 2006

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