



# EASTMAN STORMWATER MANAGEMENT

Eastman, NH

## CLIENT

Eastman Community Association

## LOCATION

Eastman, NH

## CONTACT

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## PROJECT COMPLETION

Ongoing

## DESCRIPTION:

A series of beaches along the shore of Eastman

Lake were developed by the Community Association for use by Eastman residents. As a result of the beach development, the Eastman Community experienced an increase in stormwater runoff. Erosion resulting from this additional uncontrolled runoff caused degradation of the beaches and, consequently, filled Eastman Lake with excessive sediment.

CLD generated a Corrective Action Maintenance Plan meant to repair and solve erosion problems experienced by five of the Eastman Lake beaches. This involved innovative designs for shoreline protection; vegetative outlet protection of channels and culvert piping; and stone channel path crossings including developing permit/ construction plans, details, and specifications, which integrated comprehensive site erosion control plan and beach sand replenishment.

CLD's work also included drafting and submitting a Wetland "Standard Dredge and Fill Application" to New Hampshire Department of Environmental Services Wetlands Bureau for the planned maintenance activities for approval and permitting.

Another project related to Eastman Lake involved researching existing conditions in and around the West Cove to determine causes of sedimentation and vegetation build-up in wetland swales and in the Lake. Several poorly stabilized areas were identified throughout the adjacent condominium developments causing sediment migration downstream. CLD designed and permitted stormwater management and erosion control features to help stabilize the sites from future erosion as well as to treat the stormwater runoff that is currently occurring.



- Stormwater Management Design
- Wetlands Permitting
- Construction Plans and Specifications
- Waterfront Erosion Control Plan