

Bethel Mill Pond

Characterization and Restoration Plan

Camden County Soil Conservation District

Harrison Township, NJ

The Camden County Soil Conservation District proposed to conduct a long-term Restoration and Management Plan of Bethel Mill Pond, a 8.5 acre water body located in Harrison Township, Gloucester County. The tasks implemented in the completion of this assessment included: In-Pond Water Quality Monitoring, Pollutant Budget Analysis, Bathymetric Survey, Basic Hydrologic Budgets and Identification of Restoration Plan Strategies (including a fishery survey).

Bethel Mill Pond experiences water quality problems through the growing season, with excessive sedimentation and reduced dissolved oxygen concentrations. The Pond Characterization and Restoration Plan focused on addressing and reducing the excessive densities of sedimentation and increasing dissolved oxygen concentrations. Princeton Hydro's Plan consisted of multiple forms of restoration. In-pond restoration techniques recommended included the use of biomanipulation, artificial circulation, Canada Geese control, and dredging.

In addition to in-pond restoration, watershed management and restoration control measures were also recommended by Princeton Hydro, including public education, stream bank stabilization, stormwater retrofits, and preservation of existing land. Princeton Hydro presented all of the data collected and recommendations to the Camden County Soil Conservation District and Harrison Township Authorities.

