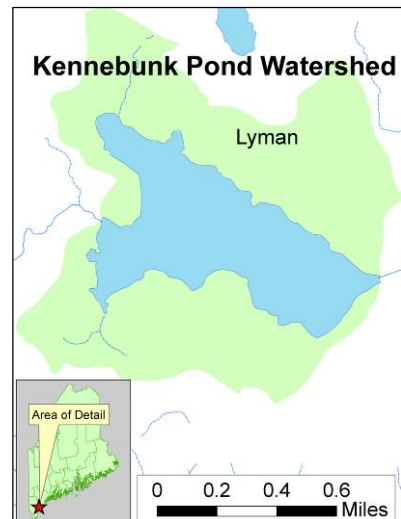


# Kennebunk Pond Conservation Project

## #2006R-03

Waterbody Name: Kennebunk Pond  
Location: Lyman, York County  
Waterbody Status: NPS Priority Watershed, Most at Risk  
Project Sponsor: York County SWCD  
Project Duration: April 2006 – August 2009  
319 Grant Amount: \$49,330  
Local Match: \$74,629



### PROBLEM:

Kennebunk Pond is a 198-acre pond that is highly developed with over 200 seasonal camps and year-round homes, a town beach, and boat launch. The pond has a 0.75 square mile watershed and it flows via two outlets into the Kennebunk River.

The Kennebunk Pond Association (KPA) and Maine DEP have monitored water quality on Kennebunk Pond since 1980. Water quality is considered to be above average, based on water clarity, total phosphorus and Chlorophyll-a. However, recent dissolved oxygen profiles show high oxygen depletion in deep areas of the lake. This is a sign that the pond water quality and coldwater fishery is under some stress. In 2002, the KPA, York County SWCD and Maine DEP conducted a 319-funded watershed survey and identified 67 erosion sites. A shoreline buffer survey also found that there are inadequate buffers on 42% of the lake's properties.

### PROJECT DESCRIPTION:

The project purpose was to significantly reduce erosion and the export of phosphorus into Kennebunk Pond. The project also aimed to raise awareness and foster long-term watershed stewardship. Conservation practices were installed on 20 sites from the watershed survey, and the pond's neighborhood districts installed 7 buffers. Project staff provided technical assistance to 36 landowners during the project.

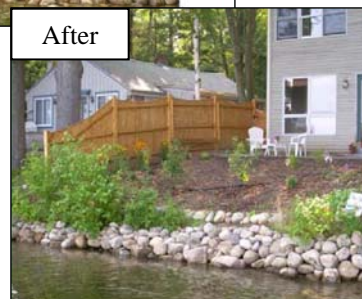
KPA neighborhood representatives distributed project fact sheets to shoreline property owners, and three project brochures were mailed to residents during the project. Project updates were presented to the Town of Lyman and at KPA annual meetings; signs were posted at project sites; and 16 people visited project buffer plantings during a 'cruise the buffer' tour after the 2008 KPA annual meeting.



75 different volunteers donated over 700 hours to plant buffers and install conservation practices during the project.

## PROJECT OUTCOMES:

- The modestly-sized project successfully fixed erosion problems at 20 medium and high impact erosion sites and established buffers at another 7 sites. The project installed 510 buffer plants, 5 culverts, 325 feet of ditching, 8 detention basins, 153 cubic yards of mulch, 10 dripline trenches, 7 water diverters and 1 rain garden.
- Pollutant loading to Kennebunk Pond was reduced by an estimated 17.2 tons of sediment and 14.6 pounds of phosphorus per year (EPA Region 5 Method and WEPP Model).
- Local match for the project totaled \$74,629, more than double the original project goal. Much of this match can be attributed to the extraordinary involvement of over 75 KPA leaders and local residents, who donated over 700 hours of their time on 24 of the 27 project sites.
- The project helped build the capacity of the local community for ongoing lake stewardship. The KPA membership increased by about 10%, and two private roads became active road associations over the course of the project.
- In 2006 Kennebunk Pond was removed from the DEP's "Watch List". Although this project did not begin until 2006, previous outreach from the 2002 watershed survey and KPA may have played a role in this improved condition.



## PROJECT PARTNERS:

Kennebunk Pond Association  
Town of Lyman

## CONTACT INFORMATION:

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