

Pattee Pond Watershed NPS Reduction Project, Phase I

#2010RR05

Waterbody Name: Pattee Pond (Pattee's Pond)
Location: Winslow – Kennebec County
Waterbody Status: Most at Risk, NPS Priority Watershed
Project Grantee: Town of Winslow
Project Duration: March 2010 – February 2012
319 Grant Amount: \$59,280
Local Match: \$72,070



PROBLEM:

Pattee Pond is a 515 acre lake with a mean depth of 15 feet and a direct watershed of 6,430 acres. The pond is a valuable resource for the regional. The shoreline is dotted with over 105 seasonal and several year-round residences. A private campground and boys' camp are located along the shoreline. Volunteers have tested water quality for approximately 40 years. Pattee Pond's water quality is considered below average with a long-term average secchi reading of 9.5 feet and occasional algae blooms. A volunteer-led watershed survey was completed by the Pattee's Pond Association (PPA) and technical leaders in the fall of 2007 and identified 97 soil erosion sites. Of these sites, 57 percent were in residential areas, 22% were on private roads, 8% were driveways, 7% were boat accesses, and 6% were other. High and medium impact sites made up 51% of the residential sites and 76% of the private road sites.

PROJECT DESCRIPTION:

The purpose of this project was to reduce the amount of sediment and phosphorus reaching waters in the Pattee Pond watershed, and to promote watershed stewardship. This project demonstrated the benefits of the cooperation among several local partners. The Town of Winslow had the fiscal and administrative responsibility for the overall project and the YCC. The KCSWCD provided technical expertise for construction work and pollutant loading calculations. The PPA provided hundreds of volunteer hours for technical assistance, fund raising, administrative tasks, and rake and shovel work.

The project was a mix of road construction work, technical assistance visits by trained volunteers, YCC conservation projects, and educational events. In the first year, grant projects were completed on three camp roads and a boys' camp shoreline that were identified in the watershed survey as severe erosion problems. Owners on several other roads saw the change in sediment-laden runoff at the grant sites and paid to have parts of their roads resurfaced and crowned properly, without grant funds. The work of the YCC also inspired several other landowners to install conservation practices on their properties without grant funds. Trained PPA volunteers provided free technical assistance visits. Information about

Project Sites



conservation practices was distributed through six PPA newsletters, two major newspaper articles, several public presentations, a brochure, and three educational workshops.

PROJECT OUTCOMES:

- Installation of 40 BMPs at six NPS sites in the watershed, including several high priority road sites like the Pickerel Point Road causeway culvert and Whitefish Road.
- Two seasons of Youth Conservation Corps projects around the pond, completing 69 BMPs on 12 sites, including shoreline plantings, infiltration steps, and use of erosion control mulch.
- Technical assistance training of eight local volunteer evaluators, resulting in evaluations of 34 properties and implementation of the recommendations without grant funds at 10 properties.
- Pollutant loading reduction of an estimated 50 tons of sediment and 54 pounds of phosphorus annually (WEPP Road Model and Region 5 Method).
- Surpassing the planned project match by over \$20,000, much of it due to the hundreds of volunteer hours by members of the Pattee's Pond Association.



PROJECT PARTNERS:

Pattee's Pond Association
Kennebec County SWCD

CONTACT INFORMATION:

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Suggested Citation:

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