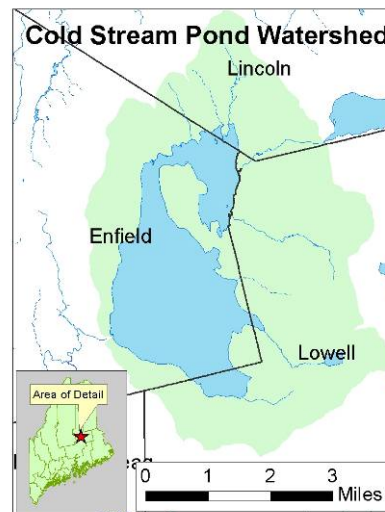


Cold Stream Pond NPS Watershed Survey

#2010RR15

Waterbody Name: Cold Stream Pond and Upper Cold Stream Pond
Location: Enfield, Lincoln, Lowell – Penobscot County
Waterbody Status: NPS Priority Watershed (Cold Stream Pond)
Project Grantee: Penobscot County SWCD
Project Duration: January 2010 – January 2012
604(b) Grant Amount: \$9,600
Local Match: \$12,575



PROBLEM:

Cold Stream Pond is a 3,619-acre pond with a watershed of 21.7 square miles. The lake supports a coldwater fishery and is a highly valued ecological and recreational resource in the area. As a result, watershed towns, Maine Department of Inland Fisheries and Wildlife (IF&W), and Maine DEP have coordinated to monitor pond water quality since 1970. The lake's larger, primary basin has excellent water quality with an average clarity of 10.2 meters and minimal oxygen depletion. Water quality in the smaller north basin is considered above average with water clarity of 6.9 meters and low to moderate oxygen depletion in late summer months.

The lake's western shoreline has been heavily populated with camps and year-round homes for decades, and the eastern shoreline was historically forested with periodic timber harvesting. However in recent years, the eastern shore has also been developed for residential purposes. The lake's shoreline is now developed with about 425 homes, two public boat launches, a public beach, and the nearby Lakeside Camping and Cabins. The Cold Stream Pond Campowners Association formed in 1994 to educate the public about water quality protection. In 1999, a watershed survey was conducted for Cold Stream Pond.

PROJECT DESCRIPTION:

The overall goal of the Penobscot County Soil and Water Conservation District's efforts in this watershed is to protect and maintain Cold Stream Pond's excellent water quality. As a first step to reaching this goal, the District led a watershed survey using methods from Maine DEP's *A Citizen's Guide to Lake Watershed Surveys*. Volunteers from the University of Maine's Watershed Stewards Program received training in survey methods and conducted the survey in the spring and summer of 2010. Since some grant funds remained after completing the survey, a survey of the Upper Cold Stream Ponds watershed was completed in 2011. Project staff completed follow-up evaluations and produced the final watershed survey reports, which were shared with all key stakeholders.



Making buffer T-shirts at the Upper Cold Stream Ponds Association Annual Meeting

PROJECT OUTCOMES:

- Project staff and local volunteers surveyed the entire Cold Stream Pond and Upper Cold Stream Ponds watersheds. The Cold Stream Pond survey identified 142 NPS sites, and Upper Cold Stream Ponds survey identified 163 NPS sites.
- This project created watershed survey reports for both Cold Stream Pond and Upper Cold Stream Ponds. The *Cold Stream Pond Watershed Survey Report* is available at http://www.coldstreampond.com/uploads/Watershed_Survey_Report.pdf.
- Letters including information about the grant and watershed survey results were sent to 776 landowners in the watershed.
- Fourteen local residents of Upper Cold Stream Ponds and Cold Stream Pond graduated from the University of Maine Cooperative Extension's Lake Stewards program.
- Outreach Plans were completed for the Cold Stream Pond Campowners Association and for the Upper Cold Stream Ponds Association.



Typical NPS site associated with gravel camp roads, documented during the survey.

PROJECT PARTNERS:

Cold Stream Pond Campowners Association
Town of Enfield
University of Maine Cooperative Extension

Upper Cold Stream Ponds Association
Town of Lincoln

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Suggested Citation:

Maine Department of Environmental Protection (2012) “Nonpoint Source Management Program 2011 Annual Report,” Document # DEPLW-1237. Augusta: MDEP.