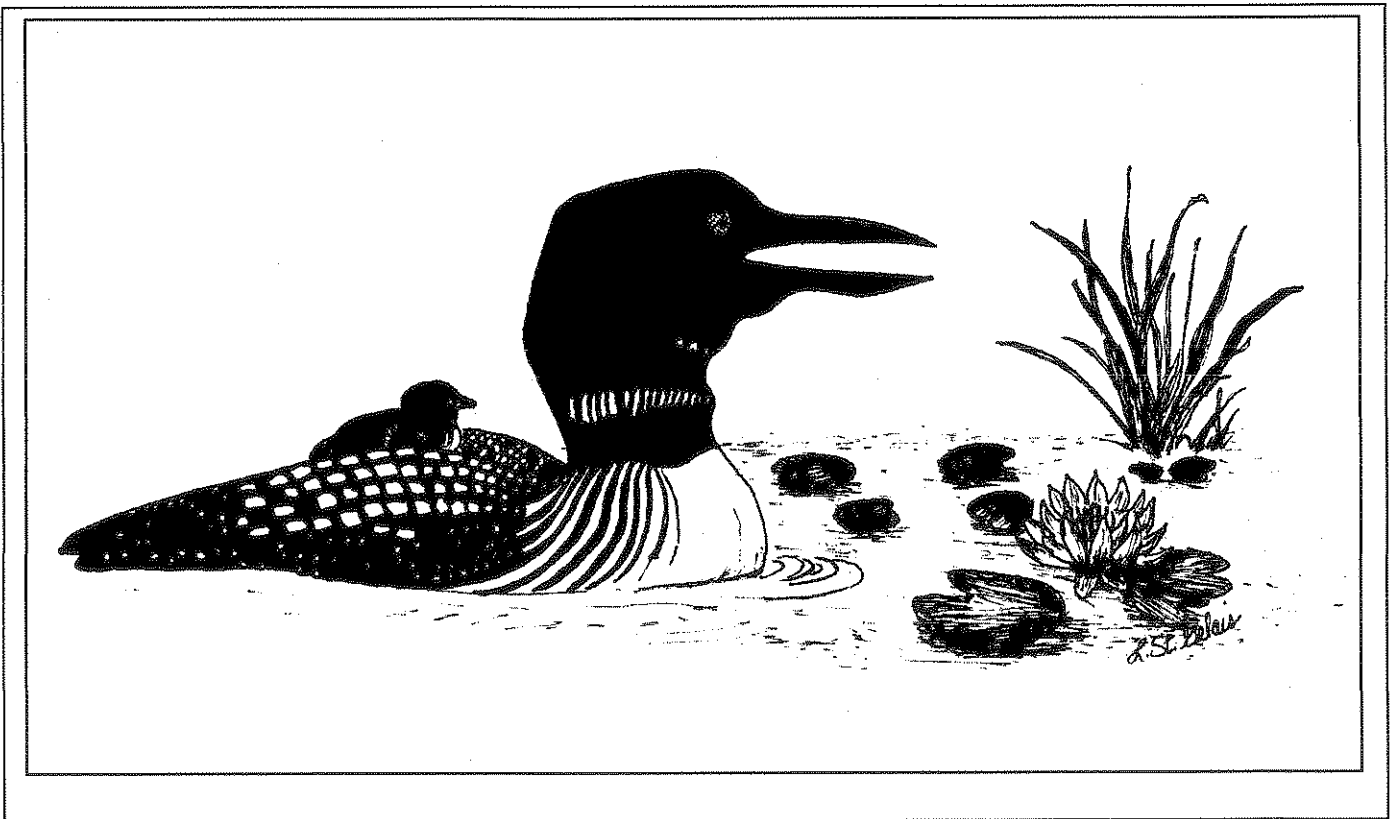


SILVER LAKE

Water Quality Monitoring: 2005

Summary and Recommendations

NH LAKES LAY MONITORING PROGRAM



By: Robert Craycraft & Jeffrey Schloss

Center for Freshwater Biology
University of New Hampshire



UNIVERSITY of NEW HAMPSHIRE
COOPERATIVE EXTENSION

To obtain additional information on the NH Lakes Lay Monitoring Program (NH LLMP) contact the Coordinator (Jeff Schloss) at 603-862-3848 or Assistant Coordinator (Bob Craycraft) at 603-862-3696.

PREFACE

This report contains the findings of a water quality survey of Silver Lake, Madison New Hampshire, conducted in the summer of 2005 by the University of New Hampshire **Center for Freshwater Biology (CFB)** in conjunction with the Silver Lake Association.

The report is written with the concerned lake resident in mind and contains a brief, non-technical summary of the 2005 results as well as more detailed "Introduction" and "Discussion" sections. Graphic display of data is included, in addition to listings of data in appendices, to aid visual perspective.

ACKNOWLEDGMENTS

2005 was the twenty-third year the Silver Lake Association participated in the **New Hampshire Lakes Lay Monitoring Program (LLMP)**. The volunteer monitors involved in the water quality monitoring effort are highlighted in Table 1 while Bruce Gordon and Hersh Sosnoff again coordinated the volunteer monitoring activities on Silver Lake and acted as liaisons to the **Center for Freshwater Biology (CFB)**. The CFB congratulates the volunteer monitors on the quality of their work, and the time and effort put forth. We invite other interested residents to join the Silver Lake water quality monitoring effort in 2005 and expand upon the existing database. Funding for the water quality monitoring program was provided by the Silver Lake Association and by the Town of Madison.

Table 1: Silver Lake Volunteer Monitors (2005)

Larry & Sandra Carr
Scott Audette
Glen & Jan Eskadal
Bruce Gordon
Carol & Ted Kramer
Ben Krapels
David & Herb Oedel
Dave and Janice Solomon
Hersh Sosnoff

The **Center for Freshwater Biology** is a not-for-profit research program coordinated by Jeffrey Schloss and Robert Craycraft. Members of the CFB summer field team included Ashlee Cieslak, Laura Morcom and Michelle Williams while Thais Fournier, Adam Karr, Kellie Norris, Cassandra Payne and Julie Shelly provided additional assistance in the fall compiling and organizing the water quality data.

The CFB acknowledges the University of New Hampshire Cooperative Extension for funding and furnishing office and storage space while the College of Life Sciences and Agriculture provided laboratory facilities and additional storage space. The CFB would like to thank the **Caswell Family Foundation** for their generosity in providing long-term support for undergraduate assistantships. A gift from the **Samuel P. Pardoe Foundation** allowed for an update of our volunteer temperature profiling equipment, as well as, financial support to develop a data server for our LLMP web site while the **United States Geological Survey**, through the **University of New Hampshire Water Resources Research Center**, provided some resources for staff support. Additional support for administering the NH LLMP comes from the **United States Department of Agriculture Cooperative State Research, Education and Extension Service** through support from the New England Regional Water Quality Program (<http://www.usawaterquality.org/newengland/>).

Participating groups in the LLMP include: The Center Harbor Bay Conservation Commission, Dublin Garden Club, Eaton Conservation Commission, Governor's Island Club Inc., Green Mountain Conservation Group, Meredith Bay Rotary Club, The New Hampshire Audubon Society, North River Lake Water Quality Audit Committee, Walker's Pond Conservation Society, the associations

of Baboosic Lake, Bow Lake Camp Owners, Chocorua Lake, Crystal Lake, Dublin Lake, Goose Pond, Great East Lake, Lake Kanasatka Watershed, Langdon Cove, Long Island Landowners, Lovell Lake, Mendum's Pond, Merrymeeting Lake, Milton Ponds Lake Lay Monitoring, Mirror Lake (Tuftonboro), Moultonborough Bay, Lake Winnepesaukee, Naticook Lake, Newfound Lake, Nippo Lake, Silver Lake (Madison), Squam Lakes, Sunset Lake, Swains Lake, Lake Wentworth, Winnisquam Drive, and the towns of Alton, Amherst, Enfield, Madison, Meredith, Merrimack, Milton, Strafford, Whitefield and Wolfeboro.