

REPORTER

Winter 1996

In this Issue

- Fund Raising
- Otsego Lake:
A Pictorial Analysis
of Stress and
Biodiversity



Fundraising Reaches '95 Goal

Bunny and Lew Hamilton and the BFS Advisory Committee have successfully completed their first year fundraising effort. Their goal: \$40,000. Total donations: \$42,005. We would like to acknowledge and thank the following donors as well as those listed in the Fall '96 *Reporter*.

American Fisheries Society

Susan Bergene

Mary S. Bowser

Robert Cathcart

David Charters

Robert Crowther

Anne Dewell

Amy Donnelly

Marilyn Dorman

Mary Dunkle

Rose M. Edwards

Donald Fenner

G. McMurtie Godley

Lewis L. Hamilton

Willard N. Harman

Daniel Hausner

Clinton V. Z. Hawn

Nancy Herman

Robert Hintermister

Capers Holmes

James Hurley

Hugh Kingery

Katherine Kreisher

Richard B. Lerner

Susan Lerner

Currie D. Marr

Carl Meyer

Eric Mihan

Barbara Mulhern

Phyllis M. Newell

Oneonta Garden Club

Earle W. Peterson

Carol Ryder

Stuart Stein

Peter Wallace

Susan F. C. Weil

Patricia A. Wilson

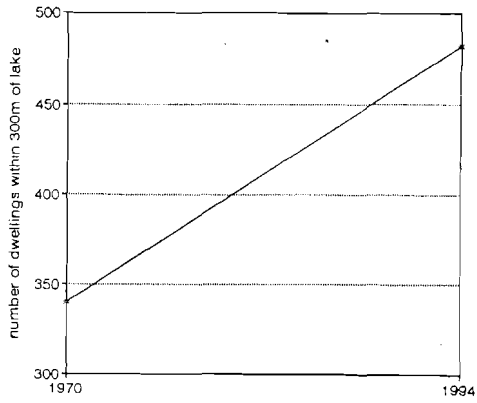
Walter vom Saal

Located in Cooperstown and founded in 1968, the Biological Field Station is a unique facility serving the Upper Susquehanna Watershed, Otsego county and the immediate Cooperstown area. It is primarily a teaching and research center for undergraduate and graduate

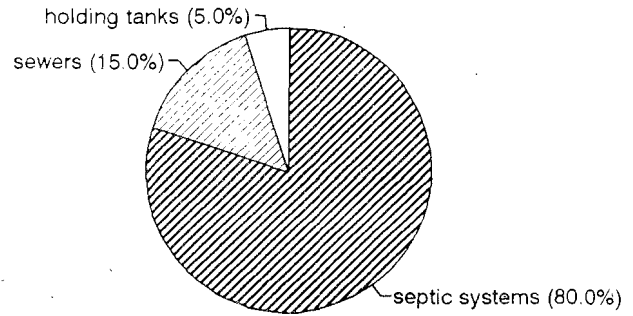
students from across New York, the United States, and Canada. Directed by Dr. Willard Harman and staffed with talented, experienced professionals, the Biological Field Station is presently the focal point for information about issues affecting Lake Otsego and the Susquehanna River.

OTSEGO LAKE IS SEVERELY STRESSED BECAUSE...

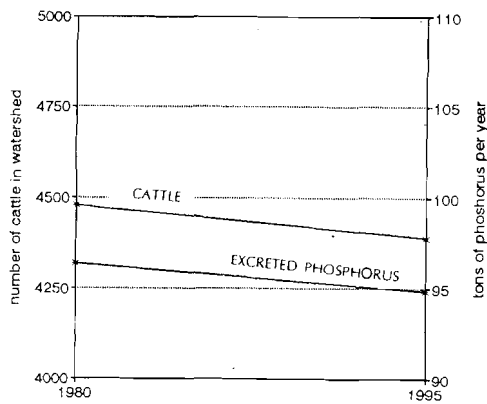
...LAKESIDE RESIDENTIAL DEVELOPEMENT...



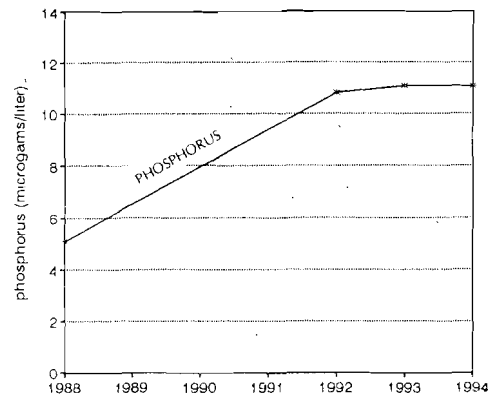
...SERVED MOSTLY BY SEPTIC SYSTEMS...



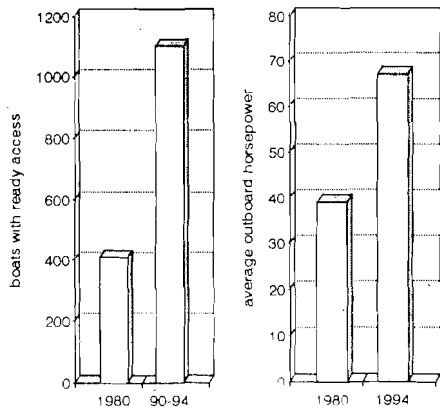
...PLUS AGRICULTURAL ACTIVITY...



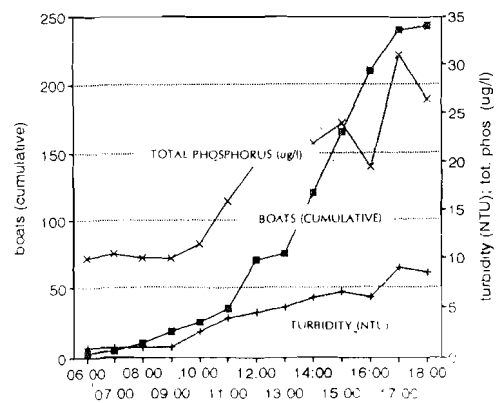
...CAUSES NUTRIENT LOADING, FERTILIZING ALGAE AND AQUATIC WEEDS.



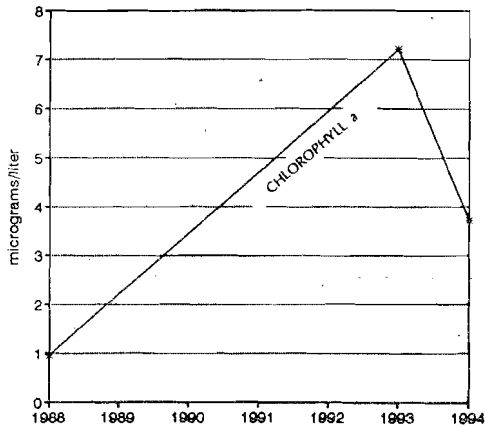
IN ADDITION, MORE BOATS WITH GREATER HORSEPOWER...



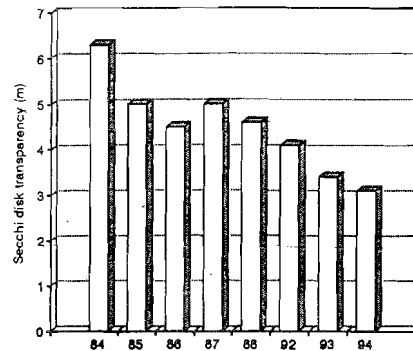
...PRODUCE WAKES WHICH RELEASE NUTRIENTS FROM THE SEDIMENTS.



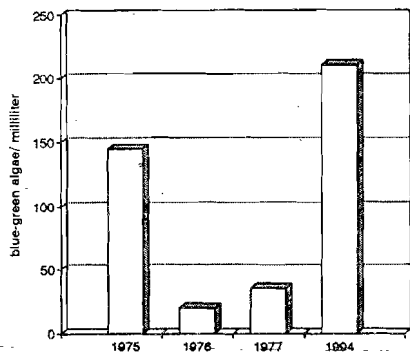
NUTRIENT LOADING CAUSES EXCESSIVE ALGAL GROWTH...



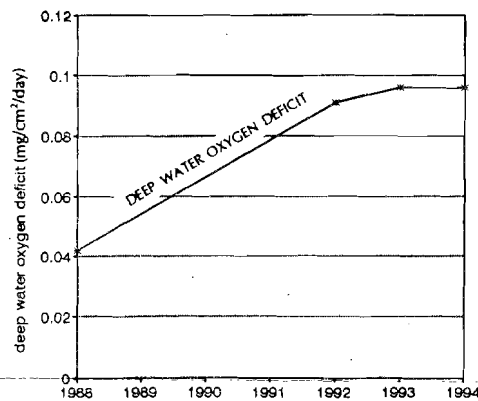
...WHICH REDUCES WATER CLARITY, HURTING RECREATIONAL USE.



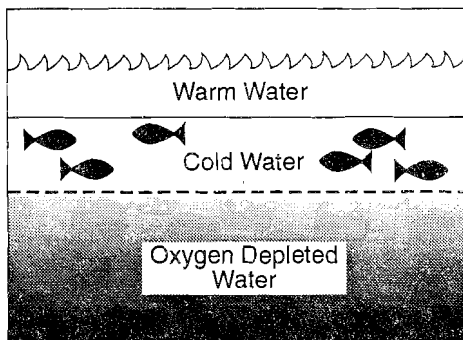
FURTHER, IT CAUSES A SHIFT TOWARD HARMFUL BLUE-GREEN ALGAE.



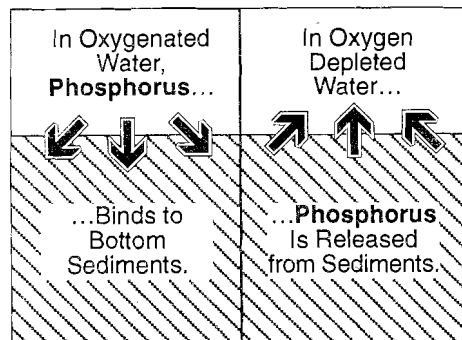
GREATER ALGAL POPULATIONS DEplete MORE BOTTOM OXYGEN...



...THREATENING OTSEGO'S COLD WATER FISHERY.

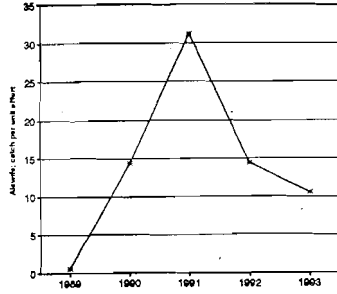


VERY LOW OXYGEN WILL TRIGGER A SELF-PERPETUATING PHOSPHORUS RELEASE, IMPERILING THE LAKE.

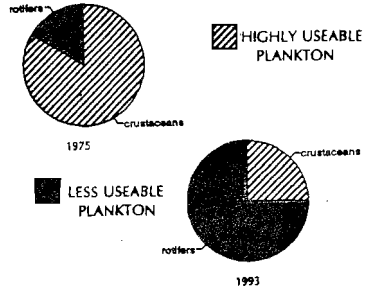


OTSEGO LAKE BIODIVERSITY HAS SUFFERED...

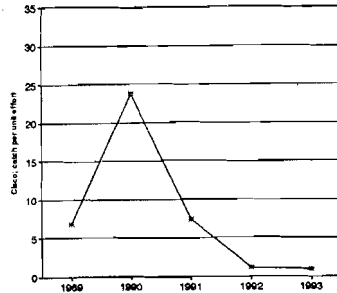
...AS INTRODUCED ALEWIFE POPULATIONS EXPLODED...



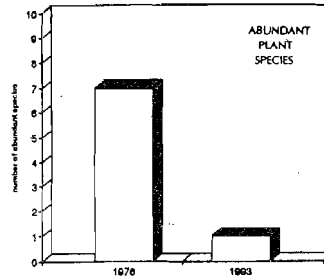
...DECIMATING AN ESSENTIAL OPEN-WATER FOOD SOURCE...



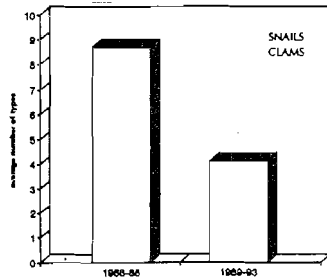
...FOR AN IMPORTANT GAME FISH, THE CISCO, PLUS SMELT AND SOME TYPES OF MINNOWS.



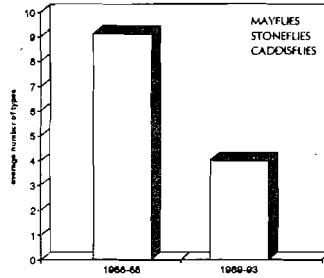
FURTHER, INTRODUCED EXOTIC PLANTS ARE TAKING OVER, REDUCING DIVERSITY.



HIGHER LAKE LEVELS ERODE SHORELINES, HURTING MOLLUSK POPULATIONS...



...AS WELL AS IMPORTANT FISH-FOOD INSECTS...

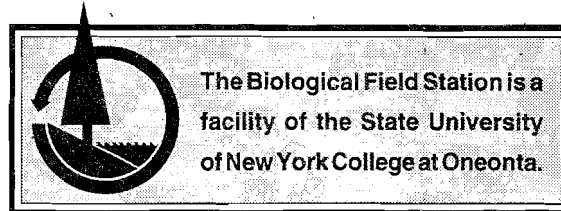


...DEGRADING THE LAKE.

The College at Oneonta Foundation receives and manages gifts for the Biological Field Station. All gifts are used

expressly for the purposes for which they are given and are tax-deductible. Information is available through:

Dr. Willard Harman
Professor and Director
RD#2 Box 1066
Cooperstown, NY 13326
(607) 547-8778



The College Foundation Office
Netzer Administration Building
SUNY College at Oneonta
Oneonta, NY 13820
(607) 436-2535.