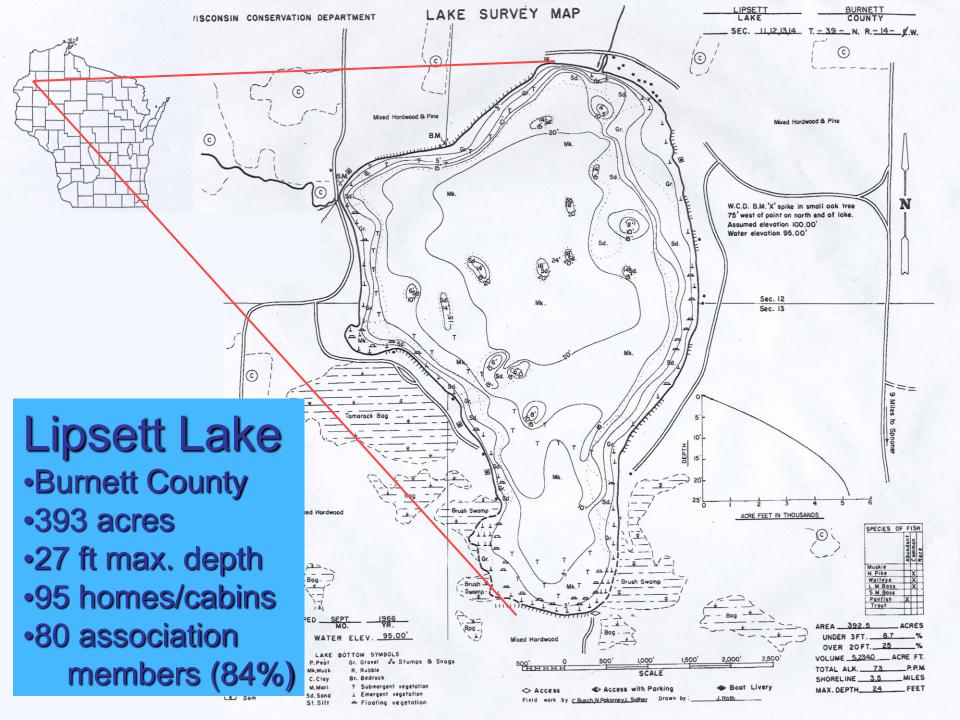
Lake Associations CAN Make a Difference: An example from Lipsett Lake in northwestern Wisconsin

by

Robert W. Baker

Lipsett lake Association and the University of Wisconsin-River Falls





Lipsett Lake looking southeast



- Large sign at public access asking users to help keep our lake clean.
- Participate in the "Clean Boats, Clean Waters" program.
- Soil nutrient testing on properties around the lake.
- Shoreline restoration workshop.
- Monitor lake, inlet, and outlet stream levels daily and measure inflow and out-flow discharges monthly.
- Aquatic plant survey.

\$3000 grant with an educational focus

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Clean Boats, Clean Waters Watercraft Inspection Summary



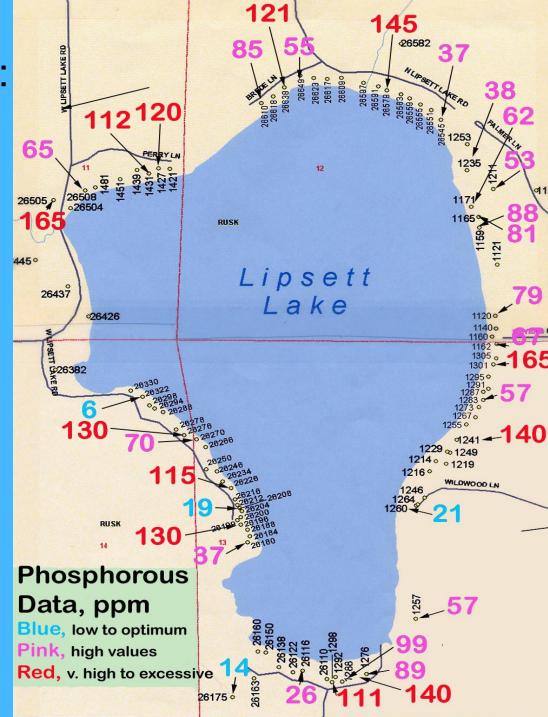
- •130 Boats Inspected
- •261 People Contacted
- •264 Hours Monitoring
- 64% Boats leaving water with vegetation
- 80% Boats where prevention steps were taken
- 81% Boats leaving landing without vegetation
- 16% Boats last used in infested water body

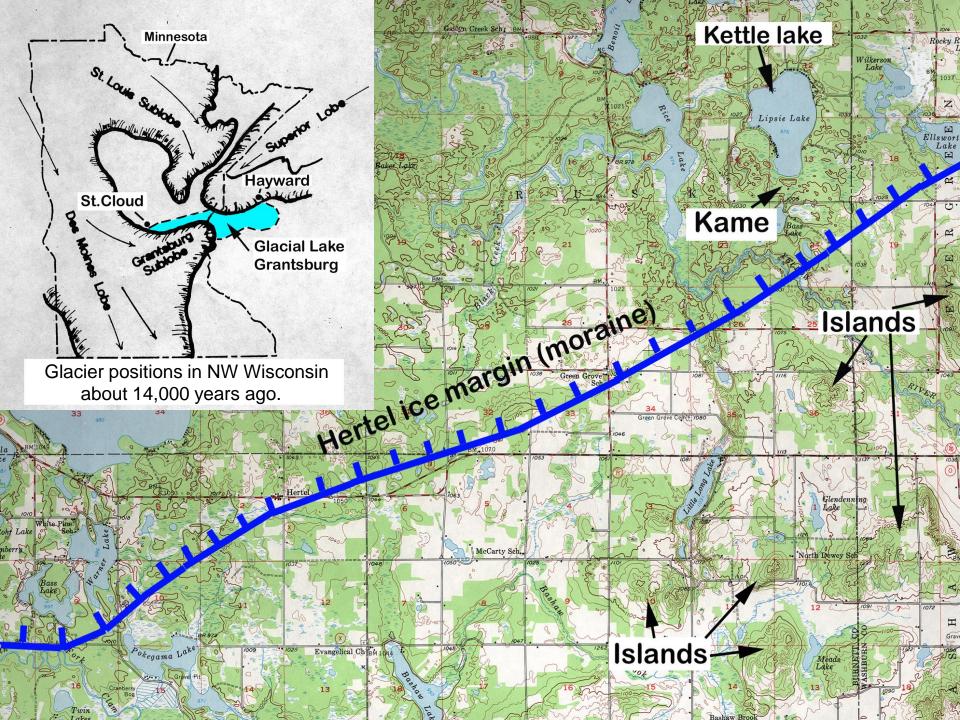
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Soil Nutrient Analyses: Phosphorous Data

- •34 Parcels sampled
- •4 (12%) had low levels
- •30 (88%) with high to excessive levels
- \$10-off coupon for phosphorous free fertilizer for all participants
- High phosphorous more likely related to glacial geology than fertilizer overuse





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Shoreline Restoration Workshop

- Presented by Cheryl Clemens,
 Burnett County Conservation
- •Hands on; attendees brought photos
- Included site visits to lakeshore properties and recommendations for appropriate plants
- •\$50 reimbursement to association members on native plant purchases, paid by grant from Wisconsin DNR



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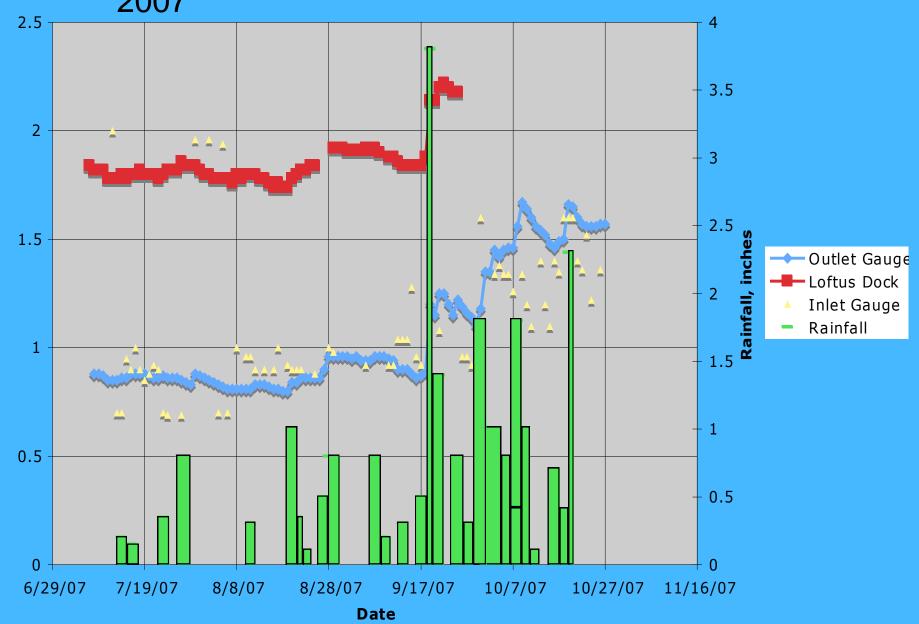
Citizen involvement at its best: Gauge readings on 112 consecutive days



Outlet Water Levels, Lipsett Lake

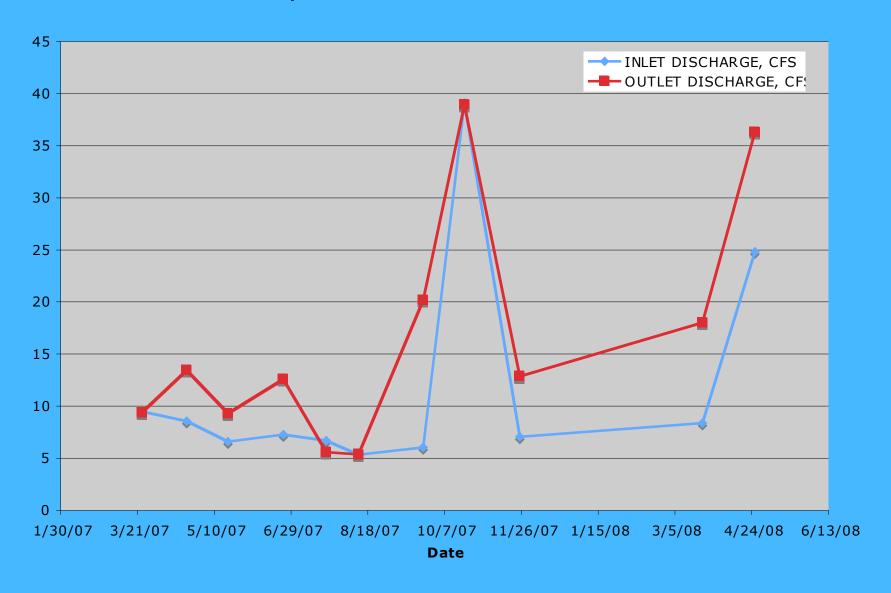


Lake and Stream Levels -- Lipsett Lake, 2007

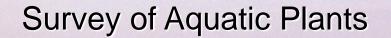




Lipsett Lake Inflow and Outflow Data



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- Shoreline restoration workshop.
- Monitor lake, inlet, and outlet stream levels daily and measure inflow and out-flow discharges monthly.
- Aquatic plant survey.



- Coordinated by Dave Ferris, Burnett County Land and Water Conservation Dept.
- Conducted by Matt Berg, Endangered Resources Services, LLC
- Cost shared with Burnett County Land and Water Conservation Department
- •316 points sampled; 179 sites with vegetation (macrophytes)
- •Plants were found on 40.7% of entire lake bottom; 79.6% of the littoral zone
- Simpson Diversity Index of 0.92, very high
- •Floristic Quality Index (FQI) of 43.1, which is much higher than the average of 24.3 for the Northern Lakes and Forest Region of Wisconsin.

Lake Associations <u>CAN</u> Make a Difference

At Lipsett Lake concerned citizens have:

- ❖Added a layer of protection from exotic species through the "Clean Boats, Clean Waters" program.
- Have soil-nutrient data showing fertilizer application near the lake is not needed.
- Organized a workshop on shoreline preservation.
- ❖Gathered data on water levels and inflow and outflow discharge, essential for developing a Water Budget for Lipsett Lake.
- Cost shared a survey of aquatic plants, the first step in developing an Aquatic Plant Management Plan.