

To: Lake Lemon Conservancy District Board of Directors and Freeholders
From: Bob Madden, Manager
Subject: 2003 Annual Report
Date: February 4, 2004

This report is a summary of the most significant operational and administrative achievements LLCD accomplished this year. They are presented in no particular order of importance.

1. BOARD OF DIRECTORS:

- A. Three (3) LLCD Board positions were filled in 2003. Dave Kory was elected to a two (2) year term in District I, filling the seat for deceased director, Frank Fleser. Tom Kelly, District IV was appointed by the Monroe County Commissioners to replace Director Bill Winkle who resigned from the board for personal reasons. Director Kelly's appointment expires February 4, 2004. Dave Hobson, District VII, was appointed by the Brown County Commissioners to replace Director Steve Love who did not seek a 2nd term. Director Hobson's appointment expires February 4, 2004. Board officers for 2003 were Marty Mann, Chairman; Larry Ritter, Vice-Chairman; and Dennis Friesel, Treasurer.

- B. LLCD Board of Director election procedures were changed by Circuit Court order permitting directors to be elected by the freeholders of the sub-area represented and not by lake-wide voting. Additionally, an absentee ballot request must be signed by the freeholder requesting the ballot. The Board petitioned the Court to make these revisions to LLCD's voting procedures.

2. PERSONNEL:

- A. 2003 Patrol Officer was Lauren Keeler. Gate Attendants were Evan Buckmaster, Chris Hicks, and Josh Morrow. Angie Smith and Coleman Smith were our Lake Biologists and Ed Schoff our Park Maintenance Technician. All staff positions within the Conservancy District were seasonal with the exception of the Manager's position, which was full-time.

- B. The Board determined it would be a best management practice to have an employee personnel manual developed for the operation. Adoption of a manual will be in Spring 2004.

- C. Volunteer of the Year was freeholder Greg Sutton, for many hours of electrical volunteer work in the park. Special recognition was given to freeholder Darrel Potter for his assistance in setting up the LLCDC website

3. GATE HOUSE OPERATIONS:

The 2003 boating season started on Sunday, March 16th, and ended on Friday, November 28th.

4. LAKE PATROL OPERATIONS:

- A. Started on Saturday, May 24th and concluded on Sunday, September 14th. There were two boating accidents reported to DNR Enforcement in 2003; a stolen car driven into the lake by the spillway; and one act of vandalism. (Glass on Mr. Payne's excavator was broken.)
- B. The Board created a safety committee to address safety issues on the reservoir. Chairman of the committee is District VII Director Dave Hobson.

5. AQUATIC WEED CONTROL:

- A. Aquatic Control, Seymour, IN, treated fifteen (15) surface acres of American Lotus and three (3) acres of Spatterdock on August 28th. Thirty-four (34) acres of Eurasian water milfoil were treated on May 30th; forty-one (41) acres were sprayed on July 15th; with an additional one and one-half (1.5) acres treated on August 28th for a total of 76.5 acres treated. Total expense for 2003 weed treatments was \$35,304.95.
- B. In 2003, the LLCDC began using a new chemical, Renovate, to treat Eurasian water milfoil. Renovate is a systemic chemical designed to kill the whole plant (stems and roots) and reduce nuisance outbreaks. This chemical proved to be successful at eliminating milfoil where treated.
- C. Approximately twenty-five (25) purple loosestrife plants were removed in early June from two different locations around the lake. Twenty plants were observed growing on a resident's shoreline located along South Shore Drive. An additional five plants were found on a residential shoreline east of Lake Lemon Marina. Purple loosestrife is an exotic plant species, which can form a monoculture and compromise the lake's natural ecosystem if allowed to spread.
- D. LLCDC sold the mechanical weed harvester for \$13,333.00 netting a \$7,173.00 return after 8 years of ownership.

6. INDIANA CLEAN LAKES PROGRAM:

LLCDC continued its involvement with this program in a cooperative effort between LLCDC, Indiana Department of Environmental Management (IDEM), and School of Public and Environmental Affairs at Indiana University (IU-SPEA). This long-term monitoring program tests for water clarity/transparency and qualitative algae counts

based on color readings. Monitoring is done on a semimonthly basis. The monitoring will help LLCDC identify any changes in water quality over time.

7. NUISANCE WILDLIFE PLAN:

A permit from the Indiana Department of Natural Resources (IDNR) allowed LLCDC to shake the eggs from fifteen (15) Canada goose nests to prevent them from hatching. A total of 44 eggs were treated and the number of goslings was noticeably reduced. All nests affected were located on Cemetery Islands in the western end of the lake. The LLCDC plans to enlarge the permitted area for goose control on the lake in 2004.

8. IDNR GRANT:

A. In December 2003, LLCDC completed the bathymetric and sedimentation survey of the lake. The project was funded by a \$12,700.00 grant from the Indiana Department of Natural Resources' Lake and River Enhancement Program (LARE). The survey was completed by ReMetrix, Inc., Indianapolis. The information provided will be used as baseline data for future management decisions, and will be essential for sedimentation removal strategies being studied by LLCDC.

B. By July, three (3) additional shoreline erosion control projects were completed by Dick Payne Excavating, Bloomington, using a barge and excavator. The areas were the peninsula east of the IU Rowing Center; the east end of Wildwood Drive on North Shore Drive; and Cemetery Island. IDNR provided \$52,038 and the City of Bloomington Utilities (CBU) provided \$9,914.66 towards these projects. LLCDC's share was \$9,914.66.

9. 2003 WATER TESTING:

Indiana University's School of Public and Environmental Affairs (SPEA) conducted the tests. The tests included a review of such parameters as clarity, nutrients, algae, dissolved oxygen, and fecal coliform bacteria. The 2003 results are expected in March 2004 from SPEA.

10. RIDDLE POINT PARK:

A. On May 17th, LLCDC started charging a park admission fee to visitors. The fee was charged on weekends and holidays thru September 7th. The annual vehicle pass was \$25.00; daily vehicle pass was \$3.00. Total park admissions collected were \$11,008.00.

B. The Riddle Point Park shelter was rented 17 times. The shelter rental fee was \$75.00/day. Total shelter rental fees collected were \$1,275.00.

C. The prairie grass demonstration area was planted by Eco Logic, Bloomington. It will be several years before the prairie reaches full maturity. The project was

- D. In early September, Boy Scout Troop #110 from Unionville, IN completed the Tulip Ridge Trail Restoration Project. The troop repaired two footbridges; built an overlook bench; and donated mulch to protect the trail. Three new signs were installed within Riddle Point Park to direct visitors to the trail.
- E. The Park Advisory Committee conducted a survey of freeholders requesting their opinions on policies pertaining to the park. When Director Winkle resigned from the Board, Director Dave Kory, District I, became chairman of the committee.
- F. The Board conducted a survey of freeholders to determine the feasibility of reviving the 4th of July fireworks show. Based on the results of the survey and \$3,450.00 in donations received, the Board voted to host a fireworks show at Riddle Point Park in 2004. The Board hired Ramsey Pyrotechnics, Inc., Frankfort, to conduct the show.

11. SHORELINE PROJECT PERMITS:

Eighteen (18) permits were issued to lake freeholders in 2003. These projects dealt primarily with shoreline erosion control and sea wall construction. Since 1996, 153 shoreline permits have been issued to Conservancy freeholders.

12. SEDIMENTATION REMOVAL PROJECT:

- A. The Sedimentation Removal Project (SRP) Committee continued its research on removing sedimentation from Lake Lemon. Areas of study included equipment, staffing, out-sourcing, soil testing, sedimentation disposal sites, and permitting. Chairman of the SRP Committee is Marty Mann, District III Director.
- B. A Geographic Information System (GIS) has been installed on the office computer and will be of valuable assistance in managing the SRP process. The data obtained from the bathymetric and sedimentation surveys will be an integral component of the system. LLCD was able to obtain the ArcGIS 8.3 software for a minimal cost of \$737.87 through an agreement with Indiana University. This agreement saved the District thousands of dollars in licensing and software fees. The Board also entered into a one-year contractual agreement with Pangaea Information Technologies, Ltd., Bloomington to help with the installation and start-up of the GIS system. The total cost of the contracted services is \$4,914.00 for 2004, and the LLCD has no commitment to renew in upcoming years.

13. INSURANCE SERVICES:

Provided by First Insurance Group, Bloomington, IN. (Marty Bassett, Sr.)

14. ACCOUNTING SERVICES:

Provided by Workman Accounting, Bloomington, IN (Herschel Workman) and Watkins Accounting, Bloomington, IN (Shirley Watkins).

15. LEGAL SERVICES:

Provided by Andrew, Harrell, Mann, Chapman, Coyne & Parker, Attorneys at Law,
Bloomington, IN. (Angela Parker)

16. LLCD'S FINANCIAL INSTITUTION:

Monroe Bank, Bloomington, IN.

17. STATUS OF GOALS FOR 2003:

Attached.

18. GOALS FOR 2004:

Attached.