

To: Lake Lemon Conservancy District Board of Directors and Freeholders
From: Bob Madden, Manager
Subject: 2004 Annual Report
Date: February 2, 2005

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

1. BOARD OF DIRECTORS:

- A. Four (4) LLCD Board positions were filled in 2004. Marty Mann was re-elected to a four (4) year term in District III and Tom Kelly, District IV was elected to a one (1) year term fulfilling the initial term of Director Bill Winkle who resigned from the board in 2003. Director Kelly's term expires February 2, 2005. Dave Hobson was elected to a three (3) term fulfilling the remaining years of the District VII Director's position. Dennis Friesel was re-elected to a four (4) year term in District V. Board officers for 2004 were Marty Mann, Chairman; Larry Ritter, Vice-Chairman; and Dennis Friesel, Treasurer.
- B. In November, the Board established a \$125,000 line of credit with Monroe Bank to fund operating expenses caused by the shortfall in property tax revenue due to Brown County's reassessment difficulties.

2. PERSONNEL:

- A. 2004 Patrol Officer was Rob Dine. Gate Attendants were Evan Buckmaster and Josh Morrow. Coleman Smith was our Lake Biologist. Ed Schoff was our Park Maintenance Technician and Paul Kehrberg was our grounds keeper. All staff positions within the Conservancy District were seasonal with the exception of the Manager's position, which was full-time.
- B. The Board , at its May 19th meeting approved and adopted a personnel manual developed for the operation. The manual puts into writing policies effecting all District staff.

C. Volunteer of the Year was freeholder Romelle Schoff, for many hours of beautification efforts in Riddle Point Park. Over the years Romelle established and maintains three highly visible flowerbeds in the park. Freeholder Art Haldeman was recognized for his weekly dedication to keeping the Spillway Road turn around area free of debris. Freeholder Bert McClarney was presented with a plaque for her creation of the LLCD logo.

3. GATE HOUSE OPERATIONS:

The 2004 boating season started on Saturday, March 20th, and ended on Sunday, November 28th.

4. LAKE PATROL OPERATIONS:

- A. Started on Saturday, May 15th and concluded on Sunday, September 19th. There were no boating accidents reported to DNR Enforcement in 2004. Security incidents were: 12 gallons of gasoline siphoned from a freeholder's personal watercraft; three boats sunk for various non-accident related reasons; one act of vandalism occurred at the Riddle Point boat ramp (port-o-let tossed into the water); a car was driven into the lake on North Shore Drive; and a slip renter at Lake Lemon Marina passed away after being overcome by toxic fumes while spending the night on his boat.
- B. Through the efforts of the LLCD Safety Committee, DNR Law Enforcement had a constant presence on the reservoir in 2004. Fifty-one (51) citations and forty-four (44) warning tickets were issued.

5. AQUATIC WEED CONTROL:

- A. Aquatic Control, Seymour, IN, treated eight and three-fourths (8.75) surface acres of American Lotus and Spatterdock on August 9th and 23rd. Seventeen and one-half (17.5) acres of Eurasian water milfoil (EWM) were treated on May 21st. Thirty-four (34) acres of EWM, small pondweed, and curly-leaf pondweed were sprayed on July 17th. Five and one-half (5.5) acres of EWM and coontail were treated on July 15th. Seventeen and three-fourths (17.75) acres of EWM were sprayed on August 9th for a season total of 74.75 acres treated. Total expense for 2004 weed treatments was \$36,169.24.

6. INDIANA CLEAN LAKES PROGRAM:

LLCD continued its involvement with this program in a cooperative effort between LLCD, 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 monthly basis. The monitoring will help LLCD identify any changes in water quality over time.

7. NUISANCE WILDLIFE PLAN:

A permit from the Indiana Department of Natural Resources (IDNR) allowed LLCD to shake the eggs from fifteen (15) Canada goose nests to prevent them from hatching. A total of 67 eggs were treated. All nests affected were located on Cemetery Islands in the western end of the lake, with exception of one nest treated near the spillway.

8. IDNR GRANT:

A. In July 2004, LLCD received a 50% matching grant of \$1,900.00 from the IDNR Lake and River Enhancement (LARE) Program to conduct an aquatic plant survey. The Board hired Aquatic Control, Inc., Seymour, IN to complete the survey and to prepare an aquatic vegetation management plan for the reservoir. The plan will be completed by January 2005. The plan will make the LLCD eligible for additional LARE funds to treat exotic weeds in the lake.

9. 2004 WATER TESTING:

- A.** 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 2004 results are expected in March 2005 from SPEA.
- B.** Additionally, the LLCD Biologist monitored E. coli concentrations at Riddle Point Park beach twice a month starting in June and ending in September.

10. RIDDLE POINT PARK:

- A.** The park opened on Saturday, May 29th. Park admissions were charged daily thru Monday, September 6th. The annual vehicle pass was \$40.00; daily vehicle pass was \$4.00. Total park admissions collected were \$18,712.00.
- B.** The Riddle Point Park shelter was rented 15 times. The shelter rental fee was \$75.00/day. Total shelter rental fees collected were \$1,125.00.
- C.** The Indiana University Women's Rowing Team hosted two (2) collegiate rowing events from the park. Special events fees were \$500.00.
- D.** In late May, an Eagle Scout project team from Boy Scout Troop #110 from Unionville, IN constructed a sand volleyball court and horseshoe court adjoining the shelter. A second Eagle Scout project in July replaced deteriorating bollards and removed heavy underbrush around the park's shoreline.

- E. New directional signage was installed around the lake directing visitors to Riddle Point Park and to North Shore Drive. In a cooperative effort between the LLCD, Brown and Monroe County Highway Departments, INDOT, and Lake Lemon Marina, 18 signs were placed surrounding the reservoir.
- F. The LLCD Board hosted the July 3rd Fireworks Show at Riddle Point Park. The fireworks started 30 minutes late due to heavy rain throughout the evening. The show was conducted by Ramsey Pyrotechnics, Inc., Frankfort, IN, at a cost of \$5,220.00. Donations and contributions collected for the event totaled \$5,053.11.

11. SHORELINE PROJECT PERMITS:

Twenty-two (22) permits were issued to lake freeholders in 2004. These projects dealt primarily with shoreline erosion control, sea wall construction, and minor dredging. Since 1996, 175 shoreline permits have been issued to Conservancy freeholders.

12. DAM AND SPILLWAY INSPECTION:

- A. On July 15th DLZ Engineers, Indianapolis, inspected the dam and spillway structures on the reservoir. DLZ was hired by the LLCD Board to meet a Department of Natural Resources (DNR) mandate requiring all high hazard dams in Indiana be inspected every two years. In all areas of evaluation, the dam and spillway received acceptable scores with an overall rating of satisfactory.
- B. In September, F.E. Gates Co, Indianapolis, completed concrete seal patching and caulking of the spillway as required by the dam/spillway inspection report. Cost of the project was \$15,760.00 with the City of Bloomington Utilities Department sharing 50% of the cost.

13. LLCD ENVIRONMENTAL COMMITTEE:

- A. The committee, chaired by District VI Director Rex Taylor, started working with the Monroe County Planning Department to investigate the possibility of establishing an Environmental Constraints Overlay Zone (ECO Zone) for Lake Lemon. Monroe and Griffy reservoirs have established ECO zones which helps protect their water quality by effecting construction standards and best management practices on future development projects. The committee's work is on-going.

14. SEDIMENTATION REMOVAL PROJECT:

- A. Soil sampling of the lake's sediment was completed in the summer by Commonwealth Engineers, Inc., Indianapolis, at a cost of \$4,768.66. Sediment analysis was completed by Test America, Inc. and EIS Analytical Laboratory at a cost of \$5,968.50. The soil testing was required for the Indiana Department of

- B.** An evaluation of potential sediment disposal sites has been completed by Commonwealth Engineers and the Board anticipates selecting the initial site in 2005. The costs associated with this analysis will be approximately \$6,500.00.
- C.** In November, the Board applied for a \$100,000 grant through the IDNR Lake and River Enhancement (LARE) Program to help fund the SRP initiative. A decision on the grant will be made in March 2005 by the Indiana State Conservation Board. The SRP initiative is headed by District III Director Marty Mann.
- D.** The Geographic Information System (GIS), installed in 2003, underwent preliminary development by acquiring state and locally produced data. The data acquired was related to general lake management purposes and to the SRP initiative. The Board also entered into a one-year contractual agreement with Pangaea Information Technologies, Ltd., Bloomington to help with the review of the bathymetry data and development of the GIS system. The total cost of the contracted services was \$4,311.10 for 2004.

15. INSURANCE SERVICES:

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

16. ACCOUNTING SERVICES:

Provided by Watkins Accounting, Bloomington, IN (Shirley Watkins).

17. LEGAL SERVICES:

Provided by Andrews, Harrell, Mann, Carmin, & Parker, Attorneys at Law, Bloomington, IN. (Angela Parker)

18. LLCD'S FINANCIAL INSTITUTION:

Monroe Bank, Bloomington, IN.

19. STATUS OF GOALS FOR 2004:

Attached.

20. GOALS FOR 2005:

Attached.