

To: Lake Lemon Conservancy District Board of Directors and Freeholders
From: Bob Madden, Manager
Subject: 2005 Annual Report
Date: February 8, 2006

This report is a summary of the most significant operational events and administrative accomplishments LLCD addressed in 2005.

1. BOARD OF DIRECTORS:

- A. Two (2) LLCD Board positions were filled in 2005. Bruce Cassal was elected to a four (4) year term in District I and Tom Kelly, District IV was re-elected to a four (4) year term. Both terms will expire in 2009. Board officers for 2005 were Marty Mann, Chairman; Larry Ritter, Vice-Chairman; and Dennis Friesel, Treasurer.

2. PERSONNEL:

- A. Seasonal staff for 2005 included Colin Whitesell, Lake Patrol Officer; Evan Buckmaster and Josh Morrow, Gate Attendants; Coleman Smith and Aunna Huber, Lake Biologists; Ed Schoff, Maintenance Technician; and Paul Kehrberg, Grounds Keeper.
- B. Volunteer of the Year was freeholder Barbara Ritter, for numerous hours invested in assisting the LLCD operation with many tasks over the years. Outgoing District I Director, Dave Kory, was recognized for his hard work and dedication to the LLCD Board of Directors.

3. GATE HOUSE OPERATIONS:

The 2005 boating season started on Saturday, March 19th, and ended on Sunday, November 27th.

4. LAKE PATROL OPERATIONS:

- A.** Started on Saturday, May 21st and concluded on Sunday, September 18th. There were no boating accidents reported to LLCDC Lake Patrol or DNR Law Enforcement in 2005. Reported security incidents were: an act of vandalism to a freeholder's pontoon boat by Lake Lemon Marina; an act of vandalism to a freeholder's boat causing it to sink near Reed Point; and graffiti sprayed on shoreline personal property of a freeholder on North Shore Drive.
- B.** DNR Law Enforcement had a visible presence on the reservoir in 2005. Twenty (20) arrest tickets and twenty-nine (29) warning tickets were issued.

5. AQUATIC WEED CONTROL:

- A.** Aquatic Control, Inc., Seymour, IN, treated one hundred and five (105) surface acres of Eurasian water milfoil (EWM) and twenty-one and one-half (21.5) surface acres of curly-leaf pondweed on May 18th. On June 8th, eight (8) surface acres of curly-leaf pondweed and two and one-half (2.5) surface acres of EWM were re-treated. In addition to this, ten (10) surface acres of curly-leaf pondweed, six (6) surface acres of EWM, and four (4) surface acres of both coontail and native elodea were treated. On June 16th, four (4) surface acres of coontail and native elodea were treated, along with one-tenth (0.1) surface acres of spatterdock. On June 30th, an additional one-half (0.5) surface acres of spatterdock, two (2) surface acres of coontail, and one-half (0.5) surface acres of both EWM and native elodea were re-treated. On August 4th, seven (7) surface acres of EWM were treated. Nine (9) surface acres of lotus and spatterdock were treated, as well as one and one-third (1.3) surface acres of coontail and native elodea. Total expense for 2005 weed treatments was \$70,816.85, including a \$46,870.75 grant from DNR's Lake and River Enhancement Program (LARE).
- B.** In January 2005, the LLCDC completed a four (4) year Aquatic Vegetation Management Plan for the reservoir. The plan, completed by Aquatic Control, Inc was funded in part by a \$1,900.00 grant from the DNR LARE Program. The plan makes the LLCDC eligible for future LARE grant funds to treat exotic weeds in the lake.

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 monthly basis. The monitoring will help LLCDC identify any changes in water quality over time.

7. WILDLIFE CONTROL:

A permit from the Indiana Department of Natural Resources (IDNR) issued in March allowed the LLCDC to shake the eggs from twelve (12) Canada goose nests to prevent them from hatching. A total of 63 eggs were treated. All nests affected were located on the Cemetery Islands in the western end of the lake. While some freeholders consider the Canada goose to be a nuisance, the species is federally protected and may only be controlled through state permits and regulated hunting.

8. GRANTS:

- A. In March 2005, the LLCDC received a \$100,000.00 grant from the DNR LARE Program to remove sedimentation from the reservoir. These funds will be used in 2006 to help start the sedimentation removal process at Lake Lemon.
- B. In March 2005, the LLCDC received a \$46,870.75 grant from the DNR LARE Program to chemically treat exotic weeds in the reservoir during 2005.
- C. In November 2005, the LLCDC received a \$16,800.00 grant from the City of Bloomington Utilities (CBU) to provide 1600 linear feet of shoreline erosion control at Riddle Point Park. The LLCDC also provided \$16,800.00 towards this project completed in early fall of 2005.

9. 2005 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 2005 results are expected in April 2006 from SPEA.
- B. The LLCDC Biologist monitored E. coli concentrations at Riddle Point Park beach twice a month starting in May and ending in September. All tests were well below the risk threshold established by the state of Indiana.
- C. In 2005 the LLCDC tested for a blue-green algae called *Cylindrospermopsis raciborskii*. The cell counts reported for Lake Lemon were the highest ever recorded for an open body of water in North America, prompting a health advisory being issued by the Monroe County Board of Health in August. Further testing of the algae revealed this strain was a non-toxin producing algae and the Board of Health lifted the advisory in January 2006.

10. RIDDLE POINT PARK:

- A. The park opened on Saturday, May 28th. Park admissions were charged daily thru Monday, September 5th. The annual vehicle pass was \$50.00; daily vehicle pass was \$4.00. Total park admissions collected were \$20,050.00.

- B. The Riddle Point Park shelter was rented 16 times. The shelter rental fee was \$100.00/day. Total shelter rental fees collected were \$1,600.00.
- C. In April, the Indiana University Women's Rowing Team hosted the Big Ten Women's Rowing Championships. The park and beach area received rave reviews as a first class rowing venue. The event generated \$2,455.00 for the LLCDC.
- D. The LLCDC Board hosted the July 2nd Fireworks Show at Riddle Point Park. The show was conducted by Ramsey Pyrotechnics, Inc., Frankfort, IN, at a cost of \$5,700.00. The total cost of the event including security and additional sanitary facilities was \$5,908.00. Donations and contributions collected for the event totaled \$5,807.36.

11. SHORELINE PROJECT PERMITS:

- A. Twenty-five (25) permits were issued to lake freeholders in 2005. These projects dealt primarily with shoreline erosion control, sea wall construction, and minor dredging. Since 1996, 200 shoreline permits have been issued to Conservancy freeholders.

12. HIGHWAY SAFETY:

- A. In 2005, the LLCDC, working in cooperation with the Monroe County Highway Department, was successful in getting North Shore Drive double yellow striped to the Brown County line; and signage was placed at the short causeway area of South Shore Drive designating it as a high congestion area.

13. LLCDC ENVIRONMENTAL COMMITTEE:

- A. The committee, chaired by District VI Director Rex Taylor, continued its work with the Monroe County Planning Department to establish 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 and plans to be completed in 2006.

14. LLCDC SEDIMENTATION REMOVAL COMMITTEE:

- A. In March, the LLCDC Board of Directors formed the Freeholder SRP Committee and charged it to:
 - a. Recommend and prioritize disposal sites for dredged material.
 - b. Recommend and prioritize sediment removal areas around the reservoir.
 - c. Recommend and prioritize funding options to the board.

Under the chairmanship of District VI Freeholder Will Weber, the committee met regularly in 2005, and in September mailed the LLCD Dredging Plan and freeholder survey to all residents of Lake Lemon. The committee will continue to meet in 2006 to prioritize areas around the reservoir to dredge, and investigate future funding mechanisms. The Sedimentation Removal Plan calls for dredging operations to begin in early summer 2006.

15. DOCK / SUBLEASE / LOCAL ORDINANCE STUDY GROUP:

- A. Headed by District Directors Larry Ritter and Tom Kelly, the study group started working with the City of Bloomington to update the current ordinances in effect at Lake Lemon to better reflect the current operation and management of the reservoir. The study group plans to complete this work in 2006.
- B. In March, based on the recommendations of this study group, the Board passed Resolution 03-05-01 (Lake Lemon Shoreline Policy) establishing guidelines for docks, piers, boathouses, and swim rafts placed along the shoreline of the reservoir.
- C. In October, based on the recommendations of this study group, the Board passed a motion to amend the Surplus Parcel Sublease Agreement to better clarify the use of City of Bloomington owned shoreline for boating access by lake freeholders.

16. INSURANCE SERVICES:

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

17. ACCOUNTING SERVICES:

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

18. LEGAL SERVICES:

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

19. LLCD'S FINANCIAL INSTITUTION:

Monroe Bank, Bloomington, IN.

20. STATUS OF GOALS FOR 2005:

Attached.

21. GOALS FOR 2006:

Attached.