



Lake Lemon Conservancy District

To: Lake Lemon Conservancy District Board of Directors and Freeholders
From: Bob Madden, Manager
Subject: 2008 Annual Report
Date: February 4, 2009

This report is a summary of the most significant operational events and administrative accomplishments LLCD addressed in 2008.

1. BOARD OF DIRECTORS:

Two (2) LLCD Board positions were filled in 2008. Marty Mann was re-elected to a four (4) year term in Sub Area III and Dennis Friesel was re-elected to a four (4) year term in Sub Area V. Both terms will expire in 2012. Board officers for 2008 were Marty Mann, Chairman; Dave Hobson, Vice-Chairman; and Dennis Friesel, Treasurer.

2. PERSONNEL:

A. Staff for 2008 included Evan Buckmaster and Jake Morrow, Gate Attendants; Scott McWhorter, Lake Biologist; and Ed Schoff, Maintenance Technician.

3. GATE HOUSE OPERATIONS:

The 2008 boating season started on Saturday, March 15th, and ended on Sunday, November 30th. Boat permits and launch fees collected in 2008 was \$115,339.50.

4. 2008 BOATING SAFETY/ENFORCEMENT:

- A. There were no boating accidents reported to LLCD or IDNR Law Enforcement in 2008.
- B. IDNR Law Enforcement had a visible presence on the reservoir in 2008. 32 arrest tickets and 11 warning tickets were issued.
- C. LLCD Lake Patrol issued eleven (11) City of Bloomington Ordinance violation citations for failure to obtain a LLCD Boat Permit.

5. 2008 AQUATIC PLANT MANAGEMENT:

On June 25th, Aquatic Control, Inc. treated 53.75 acres of Eurasian watermilfoil and other weeds around docks and in boating lanes, in addition to treating 9.25 acres of spatterdock at the east end of the lake. On July 31st, Aquatic Control performed a second treatment of the 9.25 acres of spatterdock at the east end. On August 13th, Aquatic Control, Inc. treated 17.6 acres of American lotus. On September 16th, a follow-up treatment was performed on the 17.6 acres of American lotus and an additional 5 acres of milfoil was sprayed, which was not previously treated. This concluded the 2008 weed control efforts. Total expense for 2008 weed treatments was \$31,164.00.

6. 2008 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. In 2008, 12 Secchi disk readings were taken, with an average clarity depth of 2.4 feet.

7. 2008 WILDLIFE CONTROL:

On April 2nd, the LLCD received permission from the IDNR, Fish and Wildlife Division to treat resident Canada goose nests and eggs. Similar to last year, IDNR did not require a permit to treat resident Canada goose nests and eggs. IDNR only requires registration and a report on how many nests were treated. The primary nesting site for geese on Lake Lemon is Cemetery Islands located at the west end of the lake. On April 30th, 10 nests were treated on the islands. A follow up inspection showed that there were no new nests or eggs, and none of the treated eggs had hatched. All eggs and nesting materials were collected and disposed of. This ongoing effort should help reduce the Canada Geese population at Lake Lemon.

On November 9, nuisance beaver activity was reported. A local trapper recommended by IDNR was successful in trapping 2 beavers in Possum Trot Creek channel and 1 beaver near Ice Box Cove.

8. RECORD FLOODING:

On June 7, 2008 the reservoir experienced a record flood. The water level, at its highest on Saturday evening, was estimated to be 5 ½ to 6 feet above normal pool. The dam, spillway, and causeways sustained no damage.

9. 2008 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 2008 results are expected in May 2009 from SPEA.

- B. The LLCDD Biologist monitored E. coli concentrations at Riddle Point Park beach once a week starting in May and ending in September. All tests were well below the risk threshold established by the State of Indiana, except for a few days when the beach was closed for precautionary reasons following the June 7th flood event.

10. RIDDLE POINT PARK:

- A. The park opened on Saturday, May 24th. Park admissions were charged daily thru Monday, September 1st. The season vehicle pass was \$50.00; Monday thru Friday park admission was \$4.00 per vehicle; weekend/holiday park admission was \$5.00 per vehicle. Total park admissions collected were \$22,871.00.
- B. The Riddle Point Park shelter was rented 18 times. The shelter rental fee was \$125.00/day. Total shelter rental fees collected were \$2,250.00.
- C. The LLCDD Board hosted the Independence Day Fireworks Show at Riddle Point Park on July 4th. Smart Displays, LLC, Bloomington, IN, conducted the show at a cost of \$6,200.00. Donations and contributions collected for the event totaled \$5,468.30.

11. SHORELINE PROJECT PERMITS:

- A. Thirty Eight (38) permits were issued to lake freeholders in 2008. These projects dealt primarily with shoreline erosion control, sea wall construction, and minor dredging. Since 1996, 272 shoreline permits have been issued to Conservancy freeholders.
- B. An anonymous freeholder donation of \$5,000.00, plus \$1,400 provided by LLCDD, enabled the District to rip rap approximately 200 feet of Cemetery Island.

12. LLCDD SEDIMENTATION REMOVAL PROGRAM:

- A. The District completed its third year of the sedimentation removal program, which began in 2006. The District renewed its contract with Payne Excavation, Bloomington, IN to complete the work.
- B. Priority Area dredged in 2008 was the east shore-line of Point Ida Lawn. Individual areas were also dredged at freeholder's expense. Total sediment removed in 2008 was 8,980 cubic yards.
- C. The sediment disposal site on Spillway Road worked well. The District will continue to look for a second disposal site on the east end of the reservoir.
- D. **Please see attached summary of the 2008 Sedimentation Removal Program.**

13. 2009 GOALS:

- I. Apply for and hopefully obtain a \$55,000 Grant from IDNR Lake and River (LARE) Program for treatment of exotic nuisance vegetation in the reservoir.
- II. Continue the on-going investigation of obtaining a sedimentation disposal site on the east end of the reservoir.
- III. Determine the District's future course of action for the sedimentation removal program with the retirement of LLCD contract dredger, Dick Payne.
- IV. Continue the on-going process of funding and completing a dam emergency action plan.
- V. Finalize financial plans for establishing an LLCD Endowment Fund.
- VI. Install security fence around the dam's stilling basin.