

Lake Lemon Conservancy District

February/March 2009

Special points of interest:

- If you have recently purchased or sold property at Lake Lemon, please contact the LLCDD Office at 812-334-0233, so we can update our database.
- The LLCDD strongly encourages all freeholders to subscribe to the LLCDD list serve. The district uses this technology to keep freeholders informed of current events and happenings on the lake. To subscribe, please send your name and email address to the office at llcdoffice@aol.com.

<u>Board of Directors</u>	<u>Term</u>	<u>District</u>
Bruce Cassal	2013	I
Barb Ritter	2010	II
Marty Mann Chairman	2012	III
John Schell	2013	IV
Dennis Friesel Treasurer	2012	V
Rex Taylor	2010	VI
Dave Hobson Vice Chairman	2011	VII
Rachel Atz Ex-Officio (CBU)		
Bob Madden Manager		
Scott McWhorter Biologist		

The LLCDD Board Meetings are held on the third Wednesday of each month at 6:00 pm at the Benton Township Senior Citizens Building on Highway 45 in Unionville.



2009 LLCDD Annual Meeting Summary

The LLCDD Fourteenth Annual Meeting took place on February 4, 2009 at the Benton Township Senior Citizens Building. Bruce Cassal, District I and John Schell, District IV were elected as Board Directors. They will serve a four (4) year term. The Board of Directors elected officers for 2009. They are: Marty Mann, Chairman; Dave Hobson, Vice-Chairman; and Dennis Friesel, Treasurer.

A copy of the District's 2008 Annual Report is enclosed.

Sublease Renewal Time

2009 Sublease Agreements were mailed to participating freeholders in January. The final date for Sublease renewal is May 31, 2009.

If you have any questions about the Sublease program please contact the LLCDD office.

Winter Drawdown Summary

The Sluice Gate served us well this winter. The gate was opened on December 1st and closed for the winter season on January 9th. It took 40 days to lower the lake 6 feet. Many lake residence took advantage of the drawdown by performing shoreline maintenance improvements, collecting trash and cleanup. During the drawdown we did have several days of below zero temperatures, but whether those frigid conditions has an effect on nuisance weeds will not be known until this spring/summer. **As a reminder, all shoreline maintenance projects must have approval from the LLCDD prior to activity.** To receive a shoreline permit request form, please call the LLCDD office or download one online at lakelemon.org.

2009 Boating Permits

LLCDD Boat Permits will go on sale March 21st. Daily and season permits may be purchased at the LLCDD office/gatehouse (Riddle Point) and Schell Marina on North Shore Drive. All boats on Lake Lemon are required to have a valid LLCDD permit.

	<u>Annual Permits: Resident</u>	<u>Non-Res.</u>
< 10 hp.	\$38.00	\$63.00
> 10 hp.	\$63.00	\$89.00
PWC	\$115.00	\$140.00
Launch Ramp*	\$31.00	\$31.00

Daily Permits:

< 10 hp.	\$7.00	\$7.00
> 10 hp.	\$10.00	\$10.00
PWC	\$16.00	\$16.00
Launch Ramp*	\$5.00	\$5.00

Please remember to purchase your permit before you launch your boat or personal watercraft for the 2009 season.

* Riddle Point only

Lake Lemon Conservancy District

7599 N. Tunnel Road
Unionville, Indiana 47468

Phone: 812-334-0233
Fax: 812-335-0038
Email: llcdoffice@aol.com
Website: www.lakelemon.org



Protecting Cemetery Islands

In 2008, the Conservancy District received an anonymous freeholder donation of \$5,000.00 earmarked to protect the shoreline of Cemetery Islands on the west end of the reservoir. Over the years the islands' location have made them vulnerable to both wind and boat wave erosion. The LLCD Board gratefully accepted the donation and motioned to fund an additional \$1,400.00 to complete the project. The Conservancy hired Payne Excavating to place 200 feet of rip rap stone around the smaller island. In 2003, an initial shoreline stabilization project of the islands was started with a Lake and River Enhancement Grant from IDNR. This donation has allowed the district to complete the project. Cemetery Islands serve as both a historic landmark and as a wild-life habitat. This action should ensure the protection of the islands for future generations to enjoy.

- Indiana Conservation Officers will be patrolling Lake Lemon on a regular basis during this boating season. A copy of the Indiana Boating Laws may be obtained at the LLCD office/gatehouse or at <http://www.boat-ed.com/in/handbook/>

Indiana University Women's Rowing

Indiana University Women's Rowing hosts Wisconsin Scrimmage; U-23 National ID Camp; and inaugural Dale England Cup this spring. The IU Women's Rowing team will soon be back out on the lake practicing and they would like to thank the whole community for your support. Saturday, February 28 Wisconsin arrives at Lake Lemon to scrimmage with the Hoosier women. Sunday, March 1, IU will be hosting a US National Team one-day ID camp for women interested in trying out for the US Under-23 National Team Summer Camps. Then, Friday and Saturday, April 3-4 marks the pinnacle of IU rowing events held upon Lake Lemon this spring—the inaugural Dale England Cup. IU will host the University of Pennsylvania, the University of Louisville, and Michigan State University in a two-day, four-way dual. Friday racing is scheduled for 5:00 pm. Saturday, April 4, racing begins at 9:00 am and goes until finished. On Saturday, family friendly entertainment and refreshments will be available at Riddle Point Park. The entire community is invited to come and to cheer on your Hoosier Women Rowers. If anyone wishes to volunteer their services or has questions, please contact Joshua D. Adam, assistant coach, at 812-856-1156 or joadam@indiana.edu.

- Please contact the LLCD office if you find a buoy marker that has been displaced during the winter months.



Ordinance Enforcement Continued for 2009

The District will continue its enforcement of the City of Bloomington Municipal Code 11.04 Entitled "Lake Lemon" in 2009. This code may be found at www.lakelemon.org or at www.bloomington.in.gov/code. (A copy is also available for review at the LLCD Office or Gate House.)

All Freeholders are encouraged to review the Municipal Ordinances in effect at Lake Lemon. During the 2008 Boating Season, LLCD Lake Patrol issued eleven (11) citations for failure to obtain a valid LLCD boat permit. Revenues generated from the sale of boat permits are essential for lake maintenance operations including the sediment removal program, vegetation control, dam and spillway maintenance, and shoreline improvement projects.



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 LLCD 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 LLCD 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 LLCD, enabled the District to rip rap approximately 200 feet of Cemetery Island.

12. LLCD 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.

November 19, 2008

Lake Lemon Conservancy District

2008 Sediment Removal Program
Final Financial Report

Administrative Costs: \$ 695.00 – Angela Parker: Attorney Fees (Research – Public Purchasing laws)

Subtotal: \$ **695.00** (2007: \$3,902.16) (2006: \$13,258.00)

Disposal Site Costs: \$ 320.00 – Ken Clark Excavating: Disposal site/road maintenance
\$ 339.32 – Naylor Trucking: Stone
\$ 7,600.00 – Dick Payne Excavating: Site Preparation

Subtotal: \$ **8259.32** (2007: \$8,727.44) (2006: \$13,758.59)

Dredging Costs: \$ 8,500.00 – Dick Payne Excavating: Mobilization/Demobilization
\$135,720.00 – Dick Payne Excavating: Sediment Removal

Subtotal: \$ **144,220.00** (2007: \$215,244.00) (2006: \$174,547.00)

Grand Total: \$ **153,174.32** (2007: \$227,873.60) (2006: \$201,563.59)

DNR LARE Grant Proceeds: \$300,000.00 Awarded

(-) \$119,642.00 (2006)

(-) \$140,358.00 (2007)

(-) \$ 40,000.00 (2008)

0.00

Dredging Contract Summary:

	<u>2007</u>	<u>2006</u>
\$150,000.00 Contract Amount	\$155,000.00	\$175,000.00
(+)\$ 1,820.00 Contract Add-on	(+)\$ 64,244.00	(+)\$ 0.00
(-)\$135,720.00 Sediment Removal	(-)\$206,744.00	(-)\$165,297.00
(-)\$ 8,500.00 Mobilization/Demobilization	(-)\$ 8,500.00	(-)\$ 9,250.00
(-)\$ 7,600.00 Disposal Site Preparation	(-)\$ 4,000.00	(-)\$ 0.00

Balance: \$ 0.00 0.00 \$ 453.00

- Total LLCD funds spent for 2008 Sediment Removal Program = \$113,174.32
(2007: \$87,515.60) (2006: \$81,921.59)
- Total amount spent (including DNR LARE grant) for 2008 SRP = **\$153,174.32**
(2007: \$227,873.60) (2006: \$201,563.59)

2008 Sediment Removed: 7,200 Cubic Yards: Funded by LLCD and DNR
1,780 Cubic Yards: Funded Privately
8,980 Total Cubic Yards

2007 Sediment Removed 13,840 Total Cubic Yards (including 2,320 Private)

2006 Sediment Removed: 9,780 Total Cubic Yards