

Lake Lemon Conservancy District

March 2010

Special points of interest:

- If you have recently purchased or sold property at Lake Lemon, please contact the LLCOD Office at 812-334-0233, so we can update our database.
- The LLCOD strongly encourages all freeholders to subscribe to the LLCOD 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 llcodoffice@aol.com.

2010 LLCOD Annual Meeting Summary

The LLCOD Fifteenth Annual Meeting took place on February 3, 2010 at the Benton Township Senior Citizens Building. **Tim Specht**, District II and **Pam Dugan**, District VI were elected as Board Directors. They will serve a four (4) year term. The Board of Directors elected officers for 2010 are: Marty Mann, Chairman; Dave Hobson, Vice-Chairman; and Dennis Friesel, Treasurer.

A copy of the District's 2009 Annual Report is enclosed.

Sublease Renewal Time

2010 Sublease Agreements were mailed to participating freeholders in January. The final date for Sublease renewal is May 31, 2010. If you have any questions about the Sublease program please contact the LLCOD office.

Winter Drawdown Summary

On December 1st, 2009 the LLCOD opened the dam's sluice gate to begin the winter drawdown process. Though the success of the drawdown is largely dependent on precipitation, the LLCOD hoped to achieve another 6ft drawdown this year. Last year it took 40 days to reach the 6ft drawdown level. This year a six foot drawdown was achieved by the middle of January and the sluice gate was closed on Tuesday, January 12. Freezing temperatures during the drawdown last year were very effective at killing vegetation root structures in the lake. Let's hope this years drawdown is as effective, thus saving thousands of dollars in our weed control budget.



<u>Board of Directors</u>	<u>Term</u>	<u>District</u>
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Bruce Cassal	2013	I
Tim Specht	2014	II
Marty Mann Chairman	2012	III
John Schell	2013	IV
Dennis Friesel Treasurer	2012	V
Pam Dugan	2014	VI
Dave Hobson Vice Chairman	2011	VII
Rachel Atz Ex-Officio (CBU)		
Bob Madden Manager		

Adam Casey
Biologist

The LLCOD 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.

2010 Boating Permits

LLCOD Boat Permits will go on sale March 20th. Daily and season permits may be purchased at the LLCOD office/gatehouse (Riddle Point Park) and Schell Marina on North Shore Drive. All boats on Lake Lemon are required to have a valid LLCOD permit. Please remember to purchase your permit before you launch your boat or personal watercraft for the 2010 season.

	<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

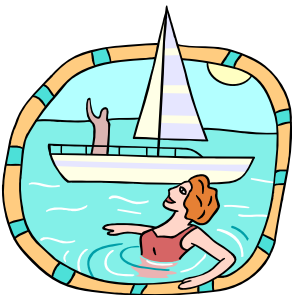
* Riddle Point Park only

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

- 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 LLCDO office/gatehouse or at <http://www.boat-ed.com/in/handbook/>
- Please contact the LLCDO office if you find a buoy marker that has been displaced during the winter months.



Lake Lemon Fishery Survey

On Wednesday, October 7th Lake Lemon underwent its first fishery survey in over 9 years. The survey included more than 25 locations around the lake and will be used to assess the overall condition of our fishery. During the survey, electro-fishing techniques were used to collect the fish. A collection boat contained a large electrode that was hung overboard into the water. When turned on, fish within the range of the current become stunned and float to the surface. Stunned fish are then collected with a net and given to a processing boat to be weighed and measured. Technicians from Aquatic Control Inc. were on the lake from about 8 p.m. to 6 a.m. the next morning. The official report was completed in mid-January of 2010 and is available at www.LakeLemon.org.



A safe haven during troublesome times

The Kirtland's snake is an endangered resident of Indiana. Though potentially unfamiliar to many lake residents, the Kirtland's snakes of Lake Lemon have a rather large population size for Indiana. Mature Kirtland's snakes are less than two feet in length. They can be identified by their brown base color, black spots, red belly and black top of the head. Preferred habitat includes marsh areas and swampy woodlands, which Lake Lemon has a bounty of. When threatened, individuals will flatten out like a ribbon. However, do not be alarmed, this snake contains no poisonous venom. If you happen to see one we would appreciate if you took a picture (if possible) and reported the sighting to Jeff Johnson at 812-334-2193. Mr. Johnson works in collaboration with the Indiana Department of Natural Resources to study populations of this snake. Remember though, if you see one, it is illegal to possess, transport, kill or harass the Kirtland's snake. For those that dislike or are afraid of snakes, and would prefer to keep them away from homes, it is recommended to not have piles of debris, rocks, or wood near your home. If you see a Kirtland's, consider yourself lucky, they are very secretive and seldom seen.



Ordinance Enforcement Continued for 2010

The District will continue its enforcement of the City of Bloomington Municipal Code 11.04 Entitled "Lake Lemon" in 2010. 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 LLCDO Office or Gate House.)

To: Lake Lemon Conservancy District Board of Directors and Freeholders
From: Bob Madden, Manager
Subject: 2009 Annual Report
Date: February 3, 2010

This report is a summary of the most significant operational events and administrative accomplishments LLCD addressed in 2009.

1. BOARD OF DIRECTORS:

Two (2) LLCD Board positions were filled in 2009. John Schell was elected to a four (4) year term in Sub Area IV and Bruce Cassal was re-elected to a four (4) year term in Sub Area I. Both terms will expire in 2013. Board officers for 2009 were Marty Mann, Chairman; Dave Hobson, Vice-Chairman; and Dennis Friesel, Treasurer.

2. PERSONNEL:

Staff for 2009 included Brandon Cain, Jake Morrow, and Patrick Campbell, Gate Attendants; Adam Casey, Lake Biologist; and Ed Schoff, Maintenance Technician.

3. GATE HOUSE OPERATIONS:

The 2009 boating season started on Saturday, March 21st, and ended on Sunday, November 29th. Boat permits and launch fees collected in 2009 totaled \$118,112.00. The District hosted 32 fishing tournaments.

4. 2009 BOATING SAFETY/ENFORCEMENT:

- A. There were no boating accidents reported to LLCD or IDNR Law Enforcement in 2009.
- B. IDNR Law Enforcement had a visible presence on the reservoir in 2009. 36 arrest warrants and 17 warning tickets were issued.
- C. LLCD Lake Patrol issued 5 City of Bloomington Ordinance violation citations for failure to obtain a LLCD Boat Permit.

5. 2009 AQUATIC PLANT MANAGEMENT:

On July 28th, Aquatic Control, Inc. treated 36.8 acres of Eurasian watermilfoil and other weeds around docks and in boating lanes, in addition to treating 13.2 acres of spatterdock at the east end of the lake. On August 20th and again on September 28th, Aquatic Control performed additional treatments for lotus and spatter dock at locations on both the east and west end of the lake. The additional treatments totaled about 8 acres of spatterdock. This concluded the 2009 weed control efforts. Total expense for 2009 weed treatments was \$20,919.25.

6. 2009 WINTER DRAWDOWN:

During the 2009 winter lake drawdown Lake Lemon experienced an extended period of freezing temperatures. This exposure of near shoreline benthic zones resulted in the freezing of the exposed substrate up to several inches in areas of the lake. Studies have shown this to greatly decrease the abundance of aquatic vegetation, especially for rooted species such as Eurasian watermilfoil and Spatterdock that generally grow back from existent root structures. We believe that the winter drawdown was largely responsible for our greatly decreased weed abundance during the 2009 season. Additionally, concentrating game fish such as bass with feeder fish during the drawdown is very beneficial for the fishery.

7. 2009 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 multiple times a month during the boating season. The monitoring will help LLCD identify any changes in water quality over time. In 2009, 10 Secchi disk readings were taken, with an average clarity depth of 3.6 feet.

8. 2009 WILDLIFE CONTROL:

On April 13th, 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 23rd, 17 nests were treated on the islands, totaling 116 eggs. A follow up inspection showed that there were no new nests or eggs, and none of the treated eggs had hatched. This is an ongoing effort to help control the Canadian goose population on Lake Lemon.

9. 2009 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 2009 results are expected in May 2010 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.

10. RIDDLE POINT PARK:

- A.** The park opened on Saturday, May 23rd. Park admissions were charged daily thru Monday, September 7th. 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 \$24,393.00.
- B.** The Riddle Point Park shelter was rented 14 times. The shelter rental fee was \$125.00/day. Total shelter rental fees collected were \$1,750.00.
- C.** Fee's for three events hosted by the IU Women's Rowing Team; the annual Lemonhead regatta hosted by the Riddle Point Rowing Association; and the Lake Lemon Triathlon generated an additional \$1,250.00 in revenues.
- D.** The LLCD Board hosted the Independence Day Fireworks Show at Riddle Point Park on July 3rd. Smart Displays, LLC, Bloomington, IN, conducted the show at a cost of \$6,600.00. Donations and contributions collected for the event totaled \$5,895.38.

11. SHORELINE PROJECT PERMITS:

- A.** Fifteen (15) permits were issued to lake freeholders in 2009. These projects dealt primarily with shoreline erosion control, sea wall construction, and minor dredging. Since 1996, 287 shoreline permits have been issued to Conservancy freeholders.

12. LLCD SEDIMENTATION REMOVAL PROGRAM:

- A.** No priority areas were dredged in 2009 as the LLCD was in the process of bidding and purchasing necessary dredging equipment for an LLCD in-house management dredging operation in 2010. Dredging will begin again in 2010.
- B.** The District continued the process of acquiring a second disposal site on the east end of the reservoir.

13. 2010 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 process of obtaining a sedimentation disposal site on the east end of the reservoir.
- III. Implement and manage the district's in-house dredging operation.
- IV. Finalize financial plans for establishing an LLCED Endowment Fund.