



Loon Lakes Management Association  
P.O. Box 50  
Antioch, IL 60002

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# 2017 Annual Report

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## A Year in Review

Loon Lake Management Association was created to promote understanding and comprehensive management of East and West Loon Lakes and their watershed ecosystems. Loon Lake Management Association provides a coordinated and unified effort for the implementation of policies and programs for the long-term management, restoration and protection of East and West Loon Lakes, including the management of the lakes' watershed (6500 acres) and other natural resources and manmade features within the defined area.

Submitted December 2017 to the Lake County Health Department  
by the Board of Directors of Loon Lakes Management Association

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# The Year in Review

## Health of East and West Loon Lakes

### Plant and Algae Control

#### Harvesting

The year 2017 started out peacefully with no immediate issues with the harvesting equipment. However, as February approached, the harvesting crew were notified that the Antioch Township was not selling diesel fuel to contractors anymore. Diesel fuel is needed to run the harvester and the truck used by LLMA to cut weeds on the lakes. A new contract with Avalon Oil was submitted in June. In addition, a new auxiliary fuel tank for the harvester was needed but portable fuel cans were used instead.

The relocation of our storage shed became an issue but was remedied by the North Shore Association's Board agreeing to store the shed.

The harvester was placed in the lake on June 1, 2017, even though the crew did not start harvesting until June 15, 2017. A new contract was written with Temple Farms for the dumping of weeds for the 2017 season.

Harvesting crew had issues with the colossal amount of weeds this year and spent an exorbitant amount of time in East Loon Lake, to the detriment of West Loon Lake residents. The harvester did not get into West Loon Lake until after July 4, 2017. Also, the harvester, again, fell into disrepair in June.

Our Harvesting budget was discussed and it was suggested that the budget may have to be increased in 2018 to include West Loon Lake in the treatment of the milfoil next year.

July brought flooding of both lakes and No Wake signs were posted for 2 weeks. During that time, no harvesting was done. The team tried to keep up with the weeds this year but were fighting a losing battle. The team spent 11 weeks cutting 282 loads out of both lakes.

They picked up 75 loads of weeds from homeowners at a cost to LLMA of \$47.78/load. It was decided this weed pickup was not fiscally advantageous to our harvesting budget and will eliminate the program in 2018. Because of this elimination, other alternatives to the weed pickup service were investigated.

#### Herbicidal Treatment

In April, 2017, Gerry Urbanozo conducted a plant survey with a new Sonar system which gave us better information on plant growth. Plant growth in 2017 reached record highs due to little to no ice coverage during the winter months and the flooding of the lakes in July. There was also an increase of the curly leaf pondweed, which normally disappears around middle of June, was noted.

RFPs to four companies to treat 20 acres of milfoil were sent out and Clarke Aquatic Services, Inc. made the lowest bid for \$244/surface acre or \$4,880 for 2,4-D treatment. LLMA hired Clarke Aquatic Services, Inc. to treat 20 acres of milfoil by the end of July.

Because of Loon Lakes' endangered minnows, this year, the state's laws were changed to require an EcoCAT study and an approval from the IDNR fish biologist to move forward with treating the lakes. This did not apply to our lakes because of our Incidental Take Agreement we have with the state, but we still could not treat the water until the water level receded from the July flooding. Because of the late start in treating the weeds, the treatment of the weeds was not very effective.

### **Water Clarity**

Dave Tatak and Tom Keefe were trained on the VLMP equipment by the Lake County Health Department representative in June. However, readings were greatly diminished from June to August due to an algae bloom caused from the July flooding. A purchase of a new Dissolve Oxygen Meter was allocated to the 2018 budget.

### **Fish Management**

Threatened & Endangered Fish Study: Tom sent out 3 RFP's and received only 1 response from Deuchler Environmental for \$4,500.

This year, LLMA stocked the lakes with 2,900 fish. After discussions with Frank Jakubicek, a Department of Natural Resources district fisheries biologist, it was decided to stock the lakes with 2,000 channel cats and 900 walleye for \$2,500. Keystone Hatcheries, a VHS certified fish stocking company, has been supplying LLMA with fish for the last few years and has given us a discount of 50% off the price of the fish and no tax. The stocking took place at the end of October without any problems.

### **Lakes Management**

Several concerns from homeowners throughout the year included the high and low water levels due to beaver dam building at the outflow on Sequoit Creek. In response, our president contacted Stormwater Management, the Lake County Forest Preserve, and the Lake County Health Dept. to monitor the beaver activity to sustain water levels to keep down flooding. A water gauge was placed on the sea walls to determine a safe water level.

In March, The Forest Preserve took the initiative and buried a 40ft. pipe under the water through the dam in order to regulate the water flow and allow water to continue flowing even if the beavers built a higher dam.

The beaver problem continued in May as Erik Ring from Highway Township Dept., contacted LLMA about flooding on Stanton Street in the Wedgewood Association. The problem escalated in June with damage to NICC's trees.

It was called to our attention in February that an annexation of a parcel of land on 173 in Antioch was being petitioned to be rezoned to commercial property, and might be a cause for alarm for our watershed in the future. The President attended the zoning meetings and reported the property was zoned back to B3 zoning.

## Channel between East and West Loon Lakes

Permit applications were approved by the Army Corp of Engineers and the DNR, and a contract was accepted from Integrated Lakes Management for \$24,516.00. This included the staging of equipment, dredging ,and pumping of bags on Summers Park. This did not include re-landscaping of Summers Park or the disposing of the dredged material. Fox Trucking, was contracted to dispose of the material after the dredging was completed. The final dredging cost was \$15,710.

The dredging process began in September of 2017 and took approximately 2 weeks to complete. The dewatering of the bags in Summers Park took approximately 2 weeks and a special meeting was held to vote on potential bids for the disposition of the fill from the channel and the landscaping of Summers Park.

A estimate was received for \$6,500 for the clean up and distribution of the debris, and the clean up and grading of Summers Park.

## Educate and Communicate

Regular posting to our website and facebook pages kept our members informed about our meeting dates, officers, minutes and events.

As our Annual Picnic approached the website and facebook pages were utilized to ask for volunteers, tents, food, and raffle prizes. Updates were made to our posters regarding our progress with the Channel Dredging.

## Annual Meeting

Due to the flooding of Summers Park, the annual meeting of Loon Lakes Management Association was held on Saturday, August 19, 2017 at the North Shores Community Park. The business that was conducted during the meeting was the election of officers. The slate of officers and their terms were:

Vice President	Joan Lahey	Dec. 2017 to Nov. 2019
Secretary	Karen Tatak	Dec. 2017 to Nov. 2019

Hamburgers and hotdogs were provided by LLMA. Tents, tables, grills, a PA system, and raffle merchandise were donated by our Association's homeowners and local businesses. The picnic came in under budget for expenses, and \$2,081 was made from raffles for Phase II of the channel dredging project.

## A Look at the Future

We understand the needs of the lakes and the importance of balance. The Conservation Plan assists us in finding and maintaining this balance. Also, the plan will help us prioritize and budget for projects both short-term and long-term. This plan will be our guide and launching point to keep Loon Lakes the quality lake it has been for centuries. Our 2018 priorities will be weed control, fish stocking and fundraising for a new harvester.

## **Equipment Inventory**

2017-2018 LLMA Equipment Inventory Spreadsheet attached

## **Water Quality Monitoring Data**

All reports have been forwarded to Lake County Health Dept.

## **Fiscal Audit of Expenditures**

Attached

**LOON LAKES MANAGEMENT ASSOCIATION INVENTORY - 2017-2018**

QUANTITY	MANUFACTURER	MODEL	MODEL YR	PURCHASE DATE	LOCATION	SERIAL NUMBER	CURRENT VALUE	PURCHASE PRICE	LOCATED
1	Aquarius	HM-22- Harvester	1995	Apr-95	Antioch Tnship	LV138			YES
1	Aquarius	TRC-12 Trailer/conveyor	1995	Apr-95	Antioch Tnship	1D9C1L322RN202084			YES
1	GMC	1 Ton 4X4 Pick-up Truck	2003	Feb-03	Antioch Tnship	1GTHK24183E231960			YES
13	SUR-MARK	Bouys, #46104	NA	5/98 & 9/99	LCFP property	NA	\$100 @		YES
1		Bimini Tops (for harvesters)	NA	Oct-98	LCFP property	NA			YES
1	Raytheon	Marine VHF Radio (hand held), Model # RAY 100-VHF	NA		LCFP property	101513			YES
3	Raytheon	Marine VHF Radios, Model # RAY 45 VHF	NA		LCFP property	308764, 308761, 300957	\$227 @		YES
2		Life Ring Buoy (Throwable)			LCFP property				YES
1		2pc Shepards crook	NA		LCFP property				YES
1	Craftsman	Mechanics tool set w/case	NA		LCFP property				YES
1	Craftsman	Metric wrench set w/case	NA		LCFP property				YES
1		Portable Drill w/case	NA		in Truck				YES
1		Engraving tool	NA		LCFP property				YES
		Various hand tools & Parts	NA		LCFP property				YES
2		Life Jackets	NA		LCFP property		\$50 @		YES
1		Coring Equipment - 3"PVC	NA	2000	LCFP property	NA	\$184.00		YES
1	Briggs & Straton	3 1/2 HP Engine	NA	2001	LCFP property		\$194.99		YES
1	Thompson	Cyclone Seeder	NA	2001	LCFP property		\$150.00		YES
1	Coleman	Power Inverter	2005	2005	LCFP property	5SAES1C0660943			YES
1	Ramsey	9500 Winch	2005	2005	LCFP property	K35304049			YES
1	Hand Cutters	NA	NA	2007	T Keefe	NA	\$165.00		YES
1	Lake Rakes	NA	NA	2007	T Keefe	NA	\$110.00		YES
1	Garmin GPS	Trex 20 Handheld GPS	NA	2012	B Lomas		\$214.99		YES
1	YSI	Pro 2030	NA	2011	B Lomas		1542.47		YES
1	Canon	Power Shot		2012					YES
1 Each	Hand Cutter & Rake	NA	NA	2007	North Shore	NA	\$275.00		YES
1 Each	Hand Cutter & Rake	NA	NA	2007	Oak Drive	NA	\$275.00		YES
1 Each	Hand Cutter & Rake	NA	NA	2007	Beach View	NA	\$275.00		YES
1 Each	Hand Cutter & Rake	NA	NA	2007	Lagoona	NA	\$275.00		YES
1	Lake Rake	NA	NA	2007	Harvester Crew	NA	\$165.00		YES
1 Each	Hand Cutter & Rake	NA	NA	2007	Del Monte Gardens	NA	\$275.00		YES
1 Each	Hand Cutter & Rake	NA	NA	2007	East Loon Lake Sh	NA	\$275.00		YES
1 Each	Hand Cutter & Rake	NA	NA	2007	Villa Rica	NA	\$275.00		YES
1	Lowrance Elite	Lowrance Elite-5 HDI 83/200 Dual Frequency Fishfinder/Chartplotter w/Base Maps	2015	2015	Harvester Crew	N/A			YES
<b>Equipment Property Disposed of</b>									
1	Packard Bell	Computer w/ monitor & Canon bubble jet printer			Donated		\$0		
1	Aquamarine	H5-2000 Harvester	1988	Jul-88	LCFP property	AMA2691H5200			
1	Aquamarine	TC-200 TRAILER/CONVEYOR	1988	Jul-88	LCFP property	AMA2692TC200			
1	Easy Winch	Portable Winch	NA	199	LCFP property	NA	\$100.00		
1	YS1	Model # 95, Dissolved Oxygen Meter, hand held w/50' cable			Svoboda	97J0473AD	Disposed of		
2	Advantage	1000 Full face respirators	NA	2000	LCFP property	NA	\$114 @		
1	Bushnell	800 Laser rangerfinder, Model # 20-0880		Jul-99		600442	\$399 @		NO
1	Proforce	Air Compressor	2005	2005		C29500171			NO
1	Hand Cutters	NA	NA	2007		NA	\$165.00		NO
1	Lake Rakes	NA	NA	2007		NA	\$110.00		NO



*"Community united to preserve and maintain a precious resource."*

December 22, 2017

On Friday November 24, 2017, an audit of the payment activities of the LLMA treasurer was conducted. The audit was conducted by Tom Keefe, Joan Lahey, and Maureen Lahey.

All the transactions for fiscal year 2017 were reviewed. The audit team randomly chose transactions and asked to be provided the backup materials for the transactions. A total of 10 different transactions were reviewed. A total of 85 checks were written in fiscal 2017. It was determined that the transactions were in order, and that proper backup for the transactions was provided.

The current balance in the LLMA checkbook reflects the correct balance.

Very Truly Yours,

Jim Hammerlund  
Treasurer, LLMA