



Eagle Spring Lake
 Management District
 PO Box 196
 Eagle, WI 53119
 eaglespringlake.us

Newsletter Number 42

July 2006

Inside this issue:

2005 Annual Meeting Minutes	2 & 5
Activity Reports	3
• Legislative Update	
• Dam Operations	
• Aquatic Plant Mgmt.	
• District Property	
• Watershed Study	
Budget	4 & 5
Boating Safety Classes	5
Shoreline Restoration	5

Eagle Spring Lake Management District's

Annual Meeting
Saturday, August 5, 2006
9:00 a.m.

In the Eagle Municipal Building

Please bring this Newsletter to the meeting!!!

✓ Check out our minutes on our website
 (www.eaglespringlake.us)
 or Email
 eagleslmd@yahoo.com

An election will be held at the Annual Meeting to fill **one position** created by the **expiring term of Tom Weier**.

Nominations will be taken from the floor or if you would like to be listed on the ballot, please contact Gina Krause by July 27th. Nick Wambach and Chris Hinz have expressed their interests in running.

Nominating Committee: John Mann - - 594-8972 John Rageth - - 594-2707

Fast Boat Traffic/Ski Route

Do you support a potential significant change to our counter clockwise fast boat traffic (which includes ski channel sections A and B - See ESL Map in Activity Report section of this newsletter) to just the main section of the lake?

Ever since we have been working with the DNR to improve our lake's water quality, one of the significant issues has been - should the Ski Channel (Section B) be Slow-No-Wake? The DNR thinks it should but Board members and some lake residents involved have safety concerns, thus resisting a change.

Because of land-to island distances and current/future State law, Section A of the fast boat traffic route could remain but only into the Northwest Bay, effectively confining ski/tubing to the center of the lake.

If you want to study this issue please go to our website for the

following information:

- Letter from Tom Day to Eagle Lake Patrol Officers dated September 20, 2005.
- Responses from Patrol Officers Nork, Braeger dated September 26, & October 3, 2005.
- Sensitive Area Survey document from the DNR.
- Letter from Tom Day to SEWRPC dated December 14, 2005.
- SEWRPC response dated December 27, 2005.

If you don't have access to our website and would like copies of these documents, please call Gina Krause at 594-3583.

The August 5, 2006 Annual Meeting Agenda (7.b) includes this issue and it is likely that an advisory vote will be taken.

Agenda



1. Call to Order
2. Approval of August 6, 2005 Minutes
3. Activity Reports (Refer to July Newsletter)
 - a. Legislative Update
 - b. Dam Operations/Lake Water Level
 - c. Aquatic Plant (AP) Management
 - AP Harvesting/Collecting
 - Chemical Treatment
 - d. District Property
 - e. Watershed Study
 - f. Audit - Jan. 1, 2005 - Dec. 31, 2005
4. Election of Commissioner
5. Approval of 2007 Proposed Budget
6. Old Business
 - a. Temporary Environmental Water Level Reduction
 - b. District Boat Launch Discussion
7. New Business
 - a. Shoreline Protection Funding
 - b. Fast Boating Traffic/Ski Route
8. Adjourn

Unapproved Minutes - August 6, 2005

Tom Day, chairperson, called the Annual Meeting of the Eagle Spring Lake Management District to order at 9:05 am. Other Board members/employees in attendance were, Tom Weier, Nate Cobb, Jim Pasterski, Jeff Prokop, and Eagle Spring Lake Management District Bookkeeper/Administrative Assistant Gina Krause. County Waukesha Representative Karen McNelly arrived at 9:30 am due to a DNR presentation. Town of Eagle Representative Don Malek, was excused. Thirty-four residents and one guest were in attendance.

T. Day opened the meeting with various handouts and overhead presentations on Waukesha County Shoreland, Floodland Protection Ordinance – 3.04(9) and volunteers needed for various projects.

APPROVAL OF MINUTES- Minutes for the August 7, 2004 Annual Meeting were published in the District's July newsletter. Therefore, the minutes were not read. John Mann made a **Motion** to accept the Annual Meeting minutes as written. Second by Robert Buss, motion carried.

ACTIVITY REPORTS

Legislative Update- T. Day briefly reviewed July Newsletter Legislative Updates containing some issues that are being dealt with by the Legislature or the DNR. The Wisconsin Minimum Shoreland Zoning Standard hearings have been extended until August 26, 2005. There is Shoreline Protection Grant money available (75% funding up to \$100,000) for anyone wanting to do a Shoreline Restoration. Also a brief summary of the new Proposed Aquatic Plant Harvesting Regulations that we must follow and how this will require more time of the people harvesting and to prepare harvesting reports, permits, etc. Discussion followed of where and types of weeds that can be harvested and what other limitations the District has to follow.

Dam Operations- N. Cobb gave a report of progress that has been made towards meeting the necessary Emergency 500 Year Flood Plan. Since last year we have been rated as "significant", down from "high hazard". We now have nine years left to complete this plan. The District was approached by the Nature Conservancy and others to consider adding a fish ladder to the emergency spillway. N. Cobb is in the process of acquiring bids for either modifying the Wambold Dam or adding an emergency spillway at the Kroll Site.

Aquatic Plant Management - T. Day presented an overhead on areas chemically treated since 1999. Last year's fall treatment in Mary's Bay and this spring's chemical treatment was very successful in knocking out the Eurasian Water Milfoil (EWM). No weed cutting on the lake thus far this summer except in Jacks Bay, which is being cut every 10-14 days to keep up with the growth of EWM. This spring samples of EWM were taken and sent in to determine if the EWM in those areas is a hybrid. Morphologically the plants do not look like a hybrid, at this time the DNA results on those samples have not come back. Hopefully the results of these samples will help the District get better control of the EWM. The District is planning to chemically treat Jacks Bay in September after getting the results of the samples taken. Discussion continued as to why we are still chemically treating Jacks Bay and other areas of the lake. J. Pasterski commented, along with other riparian owners, that it is up to the property owners to keep the weeds raked, it is the property owners who don't rake that are adding to the problem.

District Property – T. Day stated that by next year's Annual Meeting the Board should be ready to make a recommendation as to whether the District boat launch should remain open or closed for use year round. Residents made comments of how many people may be launching and parking at the Pub, using the area for a turn around, contractor use, and now that the Public Launch is opened do we really need the District Launch to be opened other than for the harvester. T. Day commented that he could start asking contractors to possibly start using the Public Launch and he would like to start a committee of residents to be involved in solving these issues. Landscaping is pending further decisions made in regards to the emergency spillway.

Watershed Study- T. Day plans to have all the studies completed by this fall/winter. Results thus far have shown that we have a 1-2 foot marl layer that is mostly calcium carbonate and is easily re-suspended by boating activity and wind. The compaction studies showed that we would not get a lot of compaction after re-suspension. All the studies are suggesting that we need to get rid of the marl. How we are going to be able to do that is yet to be determined. Chris Hinz is involved in the spawning study and soon we will be getting the results. Riparian owners stated that they are not noticing any spawning activity in Jacks Bay and along the West Shoreline. A consultant is calculating the amount of calcium we

have in our water, how it binds with the phosphorus and how it accumulates in our lake over time. Calcium calculations should be completed in September and aging of the marl layer should be completed this winter. A plan for approval by riparian owners is expected to be completed by next year. Further discussion continued in regards to how our water clarity compares to other lakes and what alternatives we are going to have to get rid of this marl layer.

Audit- Day read the letter from William K. Koepfer:

"I have reviewed the financial statements, bank statements, and cleared checks and deposits for the period of January 1, 2004 through December 31, 2004 and find these records free from material misstatement. Acceptable accounting procedures have been followed".

There were no questions.

ELECTION OF COMMISSIONERS – Nate Cobb and Jeff Prokop terms for Commissioner have expired.

T. Day stated that Nate Cobb and Matthew Thew are both interested candidates for serving on the Board. T. Day asked John Mann and John Rageth from the Election Committee for further possible candidates, they stated that they could not locate anyone to run. T. Day asked for nominations from the floor "three calls". There being no nominations from the floor J. Pasterski made a **Motion** to close nominations and second by Janet Prokop, motion carried. Jim Wilhelm made a **Motion** to have a verbal vote and approve unanimous vote of Nate Cobb and Matthew Thew, second by John Mann. Vote as follows: All were in favor of electing Nate Cobb and Matthew Thew – none opposed. Nate Cobb has been reinstated for another three year term and Matthew Thew has been elected for his first three year term.

APPROVAL OF 2005 PROPOSED BUDGET- Day presented (on overhead) the Budget for the year 2006.

Receipts: These were estimated conservatively. There were no questions on the receipts.

Expenditures: This year we should be under budget for expenses. The River Sampling may show slightly higher than actual and this is due to previous billing errors received. This project is 75% funded by a grant and Phantom Lakes Management District is helping share the local costs. A question arose to what the \$5,000 & \$3,000 in consulting was allotted for and T. Day stated that was to help with costs of the Emergency Spillway Study. There were no further questions.

Funds: The levy allows us to put \$5,000 in our Lake Improvement Fund and \$15,000 into our Equipment Fund. Question arose if our Equipment Fund would be sufficient for purchasing of a new harvester. T. Day responded that with the help of grant money, we should not have to borrow when the time comes to purchase a new harvester. There were no further questions.

Thomas Casey made a Motion to approve the Proposed 2006 Budget. Second by John Rageth, motion carried. Janet Prokop made a Motion to approve the Levy of \$60,000. Second by Timothy Donovan, motion carried.

OLD BUSINESS – There were no other questions or concerns.

NEW BUSINESS

Periodic Drawdowns – T. Day reported that the Watershed Study is being looking at by numerous different people, the DNR, Nature Conservancy, Professors from UW Milwaukee, and local residents. There have been several technical committee meetings and the public is welcome. The committee has talked about drawdowns and is now discussing the possibility of a Temporary Environmental Water Level Reduction and how this may environmentally improve our lake. A permit would have to be applied for and the Nature Conservancy will be doing more research for this has both positive and negative results. Discussions continued; the water level recovery rate will have to be further looked into, what season would be the best, and how this could possibly help with the bulrush beds which in turn will help with the spawning of Northerns and wildlife. The earliest this could be done is in 2006, no commitment has been made at this time.

Other – T. Day stated that the District is waiting for the DNR to finish various tasks at the Public Boat Launch so that we can post appropriate signage. Discussion continued as to the safety issues that have arisen without the proper signage being displayed. N. Cobb suggested that residents can help by making sure their guests know the rules. Other

Activity Reports

The following is a brief summary for the Annual Meeting Agenda topics under Activity Reports to facilitate discussion at the Annual Meeting.

Legislative Update

- **Piers** - Governor Doyle vetoed a bill creating new rules for piers but issued an "executive order" which he said would exempt 99% of existing piers from regulations. If your pier is 8 feet or less in width and the loading platform (end section) is less than 300 square feet and your pier does not restrict the public use of the waterway, you should be ok.
- **DNR Spring Rules Hearings on April 10, 2006** - Question #69 asked for support of a Uniform Slow-No-Wake from Shorelines (currently law is 100 feet from piers) passed in all 72 counties, 3480 Yes, 925 No! There was some concern as to how this would apply to rivers, i.e. the Fox. IF THIS BECAME A LAW OUR FAST BOAT TRAFFIC WOULD BE CONFINED TO THE CENTER OF THE LAKE! The ski channel route would be SLOW-NO-WAKE! For our annual meeting, I will try to get more information as to how this would progress to become a law. As some of you may know, this issue has been a major topic of discussion at technical committee meetings (Watershed Study - Efforts to Improve the Quality of our Lake). Please refer to related information in this newsletter!

Dam Operations/Lake Water Levels

- Some communications have occurred between the Lake District and the DNR concerning a resolution of our lake level issue, but as of this writing the disagreement has not been resolved.
- **Emergency Spillway Requirements** - A report from Ayres Associates (contract \$16,000) will be discussed at the Annual Meeting. Information prior to Annual Meeting may be on our website (eaglespringlake.us).

District Property

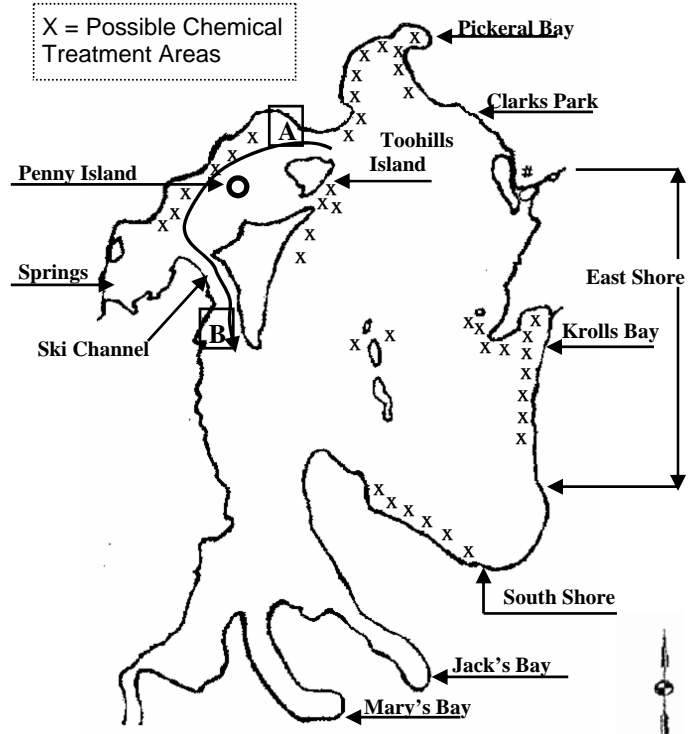
- The Emergency Spillway requirements (yet to be determined) may impact a final landscaping design for this property. You are encouraged to use the public boat launch this fall. The District boat launch discussion (continued use or not) will probably be on the 2007 Annual Meeting Agenda.

Aquatic Plant Management Program/

Chemical Treatment

- As of this writing, the September 2005 Jacks Bay chemical treatment appears to be very successful. **Please reverse your motor prior to entering Jacks Bay so there is less chance of transporting Eurasian Water Milfoil (EWM) into the Bay. Residents in the Bay can have a significant impact on extending the treatment success by watching for EWM plants and promptly removing them (raking or hand pulling).** Most likely regrowth will occur near where your boats are docked.
- Harvesting of EWM started May 22nd and will continue thru out the summer as required. A fall chemical (2, 4-D) treatment will be considered for the areas indicated in the map (top right side of this page). By Annual Meeting time, most likely the approval process for a permit and potential grant money will have started.
- If you have any questions or concerns about this program please call 594-3231.

Eagle Spring Lake Map



Watershed Study

Laboratory results for the May 24, 2005 core samples were received May 17, 2006. As of this writing the report is being reviewed, circulated and will be discussed by the Lake Management Board and its technical committee. The summary results are listed below and will be discussed at the Annual Meeting.

1. The sediment core study found that the rate of infilling of the lake varies throughout the lake. The area in the northern part of the lake (Es-2, Es-3) have the highest rate while western area (Es-4) is the lowest. All of the cores penetrated to a depth that encompassed the time period since the lake was created by the placement of the dam which raised the water level.
2. The concentration of marl (CaCO₃) is unchanged in the upper part of all of the cores. This means that marl deposition has not increased during the 100+ years in relation to other materials, e.g. organic matter and clastics (iron, aluminium, magnesium, oxygen, and hydrogen compounds).
3. The lake's bulk sedimentation rate steadily increased from the mid - 1800s until about 1980. After 1980, the rate significantly increased by about 2.5 times. The increase in the rate was because of increased deposition of marl, organic matter, and clastic materials at similar rates.
4. It appears that at the time of the invasion of Eurasian Water Milfoil (EWM), mid - 1980s, there was a significant change in the deposition of material in the lake. Circumstantial evidence indicates this could be related to the EWM. It may be that the EWM has a higher production rate than native plants. This would result in increased marl and organic matter deposition. The increase in clastic deposition may be because the dense plant beds trap more sediments.

I may be too optimistic but I am hopeful we can now enter into meaningful discussions with the DNR as to how best to solve our water quality problems on Eagle Spring Lake (the re-suspension of marl (CaCO₃) during spring-summer months).

**Eagle Spring Lake Management District
Income and Expenses
Unapproved Budget 2007**

General Operating Fund (G.O.F.)					
	Actual 2005	Budget 2006	Actual * 2006	Estimated 2006	Budget 2007
Income					
Beginning Balance	22,610.52	15,497	22,873.32	22,873	10,978
Receipts					
CD Transfer to Money Market	-	-	-	-	-
Grants:					
• ESL Carp Preservation Group	1,601.00	3,000			2,000
• LPL-902-04 Hydrolic, Wells	-	-			
• LPL-903-04 Sediment Impact	-	-	2,106.63	-	-
• RP-102-05 Muk. River Watershed Study	-	-			
• RBF - 1058 Spring Chem. Treatment 2005	3,036.50	-	-		
• RBF - 1023 Fall Chem. Treatment 2004	376.25	-	-		
• RBF - 1085 Fall Chem. Treatment 2005	850.00	-	850.00		
• RBF Fall Chem. Treatment 2006				7,500	
• River Protection Grant				7,500	
Interest	740.86	250	671.87	900	600
Levy - Town of Eagle	60,000.00	60,000	46,401.42	60,000	60,000
Miscellaneous	100.00	100	211.00	-	
Payment In Lieu of Taxes	2,786.36	2,800	1,295.28	1,295	1,000
Total Income	\$ 69,490.97	\$ 66,150	\$ 51,536.20	\$ 77,195	\$ 63,600
Total Balance	\$ 92,101.49	\$ 81,647	\$ 74,409.52	\$ 100,068	\$ 74,578
Expense					
Administrative Expenses					
Conventions	1,304.17	1,500	60.00	200	1,500
Financial Clerk	3,533.40	5,300	2,451.80	5,000	5,300
Miscellaneous	1,088.03	1,300	960.39	1,300	1,300
Newsletters and Notices	774.42	1,200	314.00	1,000	1,000
Newspaper - Legal	980.59	1,200	492.06	1,200	1,300
WAL Dues	330.00	350	-	350	350
Total Administrative Expenses	\$ 8,010.61	\$ 10,850	\$ 4,278.25	\$ 9,050	\$ 10,750
Weed Expenses					
Chemical Weed Management	9,668.00	5,000	-	15,000	5,000
Gas and Oil	208.49	500	113.43	500	550
Weed - Payroll	710.00	2,000	505.00	1,500	1,500
Permits - Harvesting	300.00	-	-	-	-
Remove/Put in Harvesters	321.00	500	201.50	500	500
Repairs and Maintenance	2,051.12	2,000	476.35	2,000	2,000
Truck Title	119.50	125	-	5	-
Total Weed Expenses	\$ 13,378.11	\$ 10,125	\$ 1,296.28	\$ 19,505	\$ 9,550
All Other Accounts Expenses					
Board/Dam Salaries	5,600.00	5,600	-	5,600	5,600
Employer Taxes and Contribution	791.78	1,000	234.61	1,000	1,000
Consulting	75.00	3,000	-	16,000	5,000
Dam Maintenance	1,975.00	1,000	-	500	1,000
District Property	310.50	300	-	200	300
Donations	68.16	75	-	75	75
Fireworks	6,000.00	6,500	3,000.00	6,000	6,500
Insurance *	3,910.00	3,300	2,805.00	3,710	3,710
Legal Fees	-	1,000	-	-	1,000
Septic Survey	300.00	300	-	300	300
LPT-177-02 Phase 1 - Watershed Study	546.22	-	0.00	-	-
LPL-902-04 Hydrolic, Wells	1,318.20	-	3,195.00	4,000	-
LPL-903-04 Sediment Impact	2,979.04	-	0.00	-	-
RP-102-05 Muk. River Watershed Study	3,965.05	7,000	867.40	3,000	-
River Protection Grant	-	-	-	-	6,500
Water Sampling Lab	-	-	150	150	-
Total Other Accounts Expenses	\$ 27,838.95	\$ 29,075	\$ 10,252.01	\$ 40,535	\$ 30,985
Total Expenses	\$ 49,227.67	\$ 50,050	\$ 15,826.54	\$ 69,090	\$ 51,285

**Eagle Spring Lake Management District
Unapproved Budget 2007
Fund Accounts**

	Actual 2005	Budget 2006	Actual* 2006	Estimated 2006	Budget 2007
Equipment Fund					
Beginning Balance	79,362.17	112,200	97,127.87	97,128	115,428
Receipts					
Transfer From G.O.F.	15,000.00	15,000	15,000.00	15,000	15,000
Interest	2,765.70	750	1,751.46	3,300	3,300
Expenses					
Transfer to G.O.F.	-	-	-	-	-
Ending Balance	\$ 97,127.87	\$ 127,950	\$ 113,879.33	\$ 115,428	\$ 133,728
Lake Improvement Fund/Land Acquisition Fund (LI/LA)					
Beginning Balance	24,286.11	35,226	30,141.08	30,141	36,161
Receipts					
Transfer From G.O.F.	5,000.00	5,000	5,000.00	5,000.00	5,000
Interest	854.97	200	546.24	1,020.00	1,020
Expenses					
Transfer to G.O.F.	-	-	-	-	-
Ending Balance	\$ 30,141.08	\$ 40,426	\$ 35,687.32	\$ 36,161	\$ 42,181.00
Wastewater Fund (W.W.F.) (\$27,558)					
Beginning Balance	3,197.50	3,318	3,296.23	3,296	3,406
Receipts					
Transfer From G.O.F.	-	-	-	-	-
Interest	98.73	35	56.41	110	110
Expenses					
Transfer to G.O.F.	-	-	-	-	-
Ending Balance	\$ 3,296.23	\$ 3,353	\$ 3,352.64	\$ 3,406	\$ 3,516
* January 1, 2006 - June 30, 2006					

Boating Safety Classes

Boating Safety Class will take place in Mukwonago this year. Dates are as follows: **July 27th & July 28th** from 6-9 pm at the Mukwonago Firehouse - 1111 Fox Street. **July 29th** from 1-5 pm at the Phantom Lakes YMCA Camp. **July 30th** from 1 - 3 pm at the Mukwonago Town Hall on Beulah Road and CTH EE for the final test.

Shoreline Restoration

Riparian land owners can apply for Lake Protection grants for help with shoreline habitat restoration projects providing up to 75% of the cost. These grants are designed to enhance lake quality by reducing the runoff and the shoreline erosion. Any riparian owner is eligible to participate in the grant application to restore their shoreline with the following restrictions and requirements as defined in the Wisconsin Administrative Code NR 191.24. These requirements can be obtained on the internet at <http://www.legis.state.wi.us/rsb/code/nr/nr191.pdf>.

Sites not meeting the requirements of vegetation planting are still eligible for grant funds used to provide technical assistance, project planning and design costs. A riparian owner could apply for

technical and design services (75% funding) and the installation of a partial buffer would be paid with riparian owner's own funds. The Lake District may offer incentive awards. This topic will be discussed at the Annual Meeting.

Riparian owners should be aware that under certain conditions they will be required under local and county ordinances to provide these types of shoreline buffers if they apply for a variance, zoning, or building changes on their property. Contact your local zoning authority to learn more about these requirements.

If you have any questions, please contact Pamela Meyer at 262-594-3119.

Minutes - Continued from page 2

discussion ranged from overflow parking, no parking signs, lake patrol cooperation in handling violations notified of, missing buoy, etc. Matthew Thew suggested to all riparian owners that are seeing violations out on the lake, to get the boat numbers of violators and report it to the lake patrol.

T. Day asked for the cooperation of all lake users, on August 27th due to the increased boat traffic on the lake during a wedding ceremony.

A special thank you was given to Jeff Prokop for his 12 years of service on the Board.

There being no further business, J. Pasterski made a **Motion** to adjourn the meeting. Second by Robert Buss, motion carried. The meeting adjourned at 11:08 pm.

**EAGLE SPRING LAKE
MANAGEMENT
DISTRICT
PO BOX 196
EAGLE, WI 53119**

ESLMD Regular Meetings

We invite the public to join us at our monthly meetings.

Meetings are held the **Third Tuesday of the month at 7:30 pm at the Eagle Municipal Building.**

If you are unable to attend the meetings, the minutes and the agenda for the upcoming meeting are posted in the legal section of *The Mukwonago Chief* and on our website at www.eaglespringlake.us

ELECTED COMMISSIONERS

Nate Cobb - - - - - 594-5440
Tom Day - - - - - 594-3231
Jim Pasterski - - - - - 594-2613
Matthew Thew - - - - - 594-5112
Tom Weier - - - - - 432-5843

APPOINTED COMMISSIONERS

Don Malek - Town of Eagle Representative
594-2304
Pamela Meyer - Waukesha County Representative
594-3119

BOOKKEEPER/ADMINISTRATIVE ASSISTANT

Gina Krause - - - - - 594-3583

TOWN OF EAGLE

Clerk - Sally McMillan
594-5800

ENFORCEMENT OF TOWN ORDINANCES

Waukesha County Sheriff's Department
548-7117

LAKE PATROL

24-hour dispatch **Non-Emergency**
May 1st - October 1st - - - - - 363-6434
Emergency - - - - - 911