



**Lakes Commission Meeting
March 19, 2019
7:00 p.m.**



Ken Funk	Lake Waterford	Kevin Lowry	Village at Large
Tom Heinrich	Lake Springledge	Carlos Menor Salazar	Village at Large
Brad Winter	Lake Potomac	Dave Kraft	Village at Large
Pat Dickson	Lake Linden	Kevin Klahs	Director of Operations
P.J. Hilbert	Village at Large	Jim Stout	Park District Liaison
Caly Winter	Village at Large	Dominic Marturano	Mayor
			bold = present

- I. Call to Order - The meeting was called to order at 7:00 pm
- II. Roll Call - Members of the Lakes Commission were present as indicated in **bold** above.
- III. Approval of Minutes
A motion was made by P.J. and seconded by Dave to approve the minutes of the meeting of January 15, 2019. The motion carried.

IV. Communications and Correspondence

- ILMA Report – Ken gave a report on highlights of the ILMA conference that he attended. He said that 145 people were in attendance for a variety of informative workshops/sessions. Two presentations that Ken spoke about were relevant to dredging. One session, on hydraulic dredging, was presented by Michael Kohutko of OSR Systems. Ken reminded members of the LLC that Michael’s father, Rich, evaluated Lake Potomac years ago for a dredging demonstration project.

A second presentation on dredging, conducted by Rob Rinkenberger of ILM (Integrated Lakes Management) urged not to “jump into” dredging. Rather, according to the presenter, it is important to take a step back and take into account what is causing the problem. Development of a watershed plan is recommended before deciding upon dredging.

- John Filippo, resident and VLMP lake monitor for Lake Linden informed the LLC that he received a communication indicating that the VLMP program was being suspended for the 2019 season. Tom added that he received the notification as well. Tom said that the discontinuation of the program was coming at an inopportune time as the LLC is in the process of drafting measurable goals for its lakes. Without data on water clarity, dissolved oxygen, suspended solids, etc., it will be difficult to form measurable goals. Dave added that the program’s coordinator with the Illinois EPA left his employment, and no one was available to take over the responsibilities of the program. The announcement went on to say that the Illinois EPA is working on possible ways to get the program re-instated for 2020 or other ways to keep the program alive.

- Janega Park carp fishing derby – Jim Stout confirmed that the Janega Park carp fishing derby will be held on the morning of Saturday, May 18. The LLC will donate leftover prizes from last year’s “Fishing Pool for Kids” at the Earth Day celebration to the Lindenhurst Park District for distribution to children participating in the fishing derby.

V. Old Business

- Communications to shoreline residents – Tom reported that he had finalized the information to be sent to shoreline residents except that the tri-fold brochure needed to be updated to reflect the names of the new LLC commissioners. It had been agreed at the last LLC meeting that the mailing would be sent in mid-April. Kevin K. asked if an electronic copy of the tri-fold brochure could be sent to him after it was updated. In addition, Kevin indicated to Tom, that when all was ready to be sent, Tom should bring the materials to Kevin for mailing by Village personnel.
- ILM Contract – Dave reported that there is one more year left on ILM’s contract for the treatment of the Village lakes. He went on to say that he had an opportunity to read over the Village’s contract with ILM and shared the following thoughts:
 - The contract appears to be rather open-ended, allowing ILM significant latitude in interpreting what is needed for our lakes.
 - There is no written plan from ILM summarizing their approach in treating the lakes.
 - It may be beneficial for ILM to suggest what should be done to our lakes in terms of treatment and maintenance. In this way, ILM would be providing more professional help and guidance in their area of expertise. Such input from ILM should be reasonably expected and would be advantageous to both parties (ILM and the Village).
 - It may be beneficial to meet with ILM in the very near future to discuss our needs and concerns for the lakes. Following such a meeting with ILM, it would behoove the LLC to meet and discuss recommendations and thoughts going forward.

Ken added that perhaps new products for treatment should be recommended or at least discussed.

As the discussion continued, Mayor Marturano suggested that such a meeting with ILM be held at the beginning of each year. He went on to recommend that if ILM is to be successful in managing our lakes, the Village and LLC need to define what “manage” actually means. In turn, Kevin K. asked for possible meeting times and dates for the proposed meeting with ILM to discuss these kinds of details.

- Lake Recommendations and Goals – It was reported that Ken and Dave discussed recommendations and goals for Waterford. In addition, Dave acknowledged that he had received recommendations and goals for Springledge, as submitted by Tom and Kevin L. This topic of recommendations and goals will be discussed more fully in future meetings.
- Lake data acquisition and utilization – A discussion ensued about how it would be beneficial for ILM to track and incorporate VLMP data so the conditions of the lakes could be tracked more continuously and comprehensively.

- LLC Web site and Village Voice – In Pat’s absence, discussions of the LLC web site and Village Voice were tabled.
- Budget – Kevin K. informed the LLC that its budget proposal was fine as submitted with a more discretionary line item. Kevin went on to say that the budget has not yet been approved by the Village Board.

VI. New Business

- Dredging project initiative – Ken reminded members of the LLC that Pat had formed a group of residents interested in studying the feasibility of a dredging project for our lakes. Ken added that he provided that group with a series of questions that will likely need to be addressed before discussions and plans are complete. Ken continued by saying that it would be very unlikely to be able to procure grant money for a dredging project that impacted only those few residents who reside on our Village lakes. Nevertheless, the possibility of procuring grant money for dredging might be increased by proposing a plan that positively impacted the entire watershed rather than just the Lindenhurst lakes. A more comprehensive plan that impacts the entire watershed might include redesigning lake connections and/or the diversion of treated water from the water treatment plant into the watershed. Ken said that he had the opportunity to speak briefly with Karen Clementi, ILMA official and Vice President of Deuchler Environmental Engineering, Inc. Ms. Clementi offered a suggestion that a starting point would be to get the sanitary district and the LLC to have a discussion on shared resources. Then project ideas could be brought to the Des Plaines River Watershed Workgroup (DRWW). Ms. Clementi suggested the DRWW might be looking for projects to include in their Nutrient Implementation Plan.
- Peat bog removal – Dave informed members of the LLC that he spoke with representatives of ILM about the possibility of removing the peat bogs that surface on Lake Waterford. Dave explained that the bogs could be removed, but the cost might be significant and there are no guarantees that they may not resurface again at some unknown point.
- April meeting – After some discussion, it was generally agreed that an LLC meeting should be scheduled to discuss issues and questions emanating from the aforementioned upcoming meeting with ILM representatives. Kevin K. offered to set up the meeting with ILM representatives and then email members of the LLC about the time and date. Subsequently, an LLC meeting will be held on the third Tuesday in April.

VII. Commissioner Report & VLMP Reports –

Waterford – Ken reported that the ice on Waterford has turned black; there were fewer fishermen; and 3 foxes have been spotted near his property.

Linden – Carlos and John reported that coyotes have been observed running on the ice.

Springledge – Tom reported little activity on Springledge but mentioned that a fox has also been observed along the shorelines of Springledge.

Potomac – No report.

VIII. Public Participation: A resident expressed a concern that, in the past, treatments have been skipped for Springledge Lake due to the applicator’s inability to access the launching area. The resident explained that the contractor simply skipped over the lake and did not return until the next scheduled treatment. By this time, the number of algae blooms on Springledge were out of control. The resident requested that the Village consider prohibiting parking in a small area off of the Mallard cul-de-sac where the lake is normally accessed by the applicators so as to prevent this happening in the future.

In addition, the resident expressed a concern that the lake should always have a designated access point for vehicles in the event of an accident or emergency on the lake. The lake is frequented by skaters, hockey players, kayakers, fishermen, etc., and if an emergency occurred, rescue vehicles might not have reliable access and would therefore be unable to respond in a timely fashion. Furthermore, the resident recommended that gravel be added to the often muddy shoreline launching area to allow for safer launching of boats, including those of the applicators.

IX. Adjournment:
 There was a motion made by Tom to adjourn the meeting and seconded by P.J. The meeting ended at 8:14 PM.

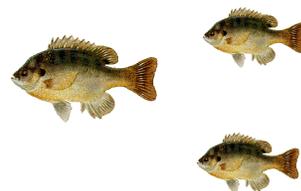
Respectfully submitted,

Tom Heinrich - VP
 Recording Secretary

LLC Public Participants

<u>Name</u>	<u>Address</u>
John S. Filippo	2208 Lake Shore Drive
Judy Heinrich	395 Teal Road

Reminder: Next Meeting Tuesday, April 16, 2019 at 7:00 p.m.



Lindenhurst Watershed Grant Proposal Investigation – Potential Activities

1. What plans does the LCFP have for restoration of Lake Hastings; e.g. carp removal?
2. Does the LCFP have any restoration plans for Hastings Creek?
3. Is Hastings Creek considered “impaired”?
4. Review the LCFP grant and interview personnel involved in putting \$8MM into the impaired N. Mill Creek restoration.
5. Who owns Hastings Creek, the U.S. Waterway, that runs through Lindenhurst property?
6. What part of Hastings Creek runs through the 50 acres north of the waste treatment plant?
7. Does the county have any watershed plan for our area?
8. Who owns the properties through which Hastings Creek flows all the ways to the Des Plaines?
9. What is the IEPA/NPDES goals for the village waste water treatment plant with respect to the reduction of nutrients like phosphorus?
10. Will diversion of water from the treatment plant have any financial or other positive impact on the village goals for nutrient reduction?
11. What is the current state of the art with respect to nutrient reduction from treated waste water?
12. What is the elevation difference, if any, between the treatment plant outflow and Lake Potomac?
13. What is the shortest and most practical location of diverting water to Lake Potomac?
14. What equipment would be needed to make adjustable diversions and at what cost?
15. What is the estimated cost of a study to evaluate this entire project as well as staged phases of the investigation and work?
16. What is the impact of extra nutrients on Hastings Creek?
17. What is the impact of extra nutrients on Lakes Potomac, Waterford and Springledge?
18. What is the impact of extra nutrients on the Des Plaines River?
19. Is there any IEPA plans for restoration or flood mediation work planned for the Des Plaines river?
20. What plans, if any, does the LCFP have for restoration of McDonald Woods or removal of carp?
21. What is the status of the creek the exits Lake Springledge? Is it considered “impaired” and is there any LCFP plan to restore or improve its condition?
22. What is the cost to re-engineer the outflows of Lake Potomac, Waterford and Springledge?
23. What is the maximum water levels required by the village engineer to satisfy the stormwater management requirements?
24. What level of sediments removal is required to be considered beneficial to allow waterflow throughout lakes? Would storm drain sediment apron removal be beneficial enough to justify inclusion in the project?
25. Who can do an engineering water-level study to determine the critical parameters?
26. What are the pros and cons to adding water flow through our lakes beyond storm water inflow, particularly during dry seasons when lake levels drop significantly?
27. Which of the about items are necessary to know and which ones are not?
28. What are the man-hours and related costs to determine the above “necessary” information for a grant proposal?
29. What professional organizations can give guidance to our village and eventually contract to do the work if approved?

30. Consult Karen Clementi, President, ILMA and Deuchler Engineering Corp. who deals with waste treatment management issues and has ideas for us. (kclementi@deuchler.com)
31. Review the phosphorus levels of our lakes with the LCHD ES to determine what an increase in water flow that contains phosphorus would have on our three lakes and McDonald Woods.
32. Increased phosphorus can impact blue-green algae blooms. Would there be in impact and how would it be handled – re: ILM, etc.
33. Get 319 grant application and requirements for approval.
34. Evaluate funding for 50% of the project cost.
35. Identify grant project manager, budget management and cost accountability plans.
36. Maintain adequate records to efficiently complete the final project report.

K.W. Funk
03-18-19