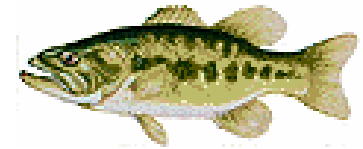




**Lakes Commission Meeting
October 20, 2009
7:30 p.m.**



Bob Blameuser	Lake Potomac	Greg Koenig	Village at Large
Jim Cousineau	Lake Linden	Jim O'Neal	Village at Large
Tom Heinrich	Lake Springledge	Tony Skwerski	Village at Large
Ken Funk	Lake Waterford	Matt Formica	Village Administrator
Kathy Georgen	Village at Large	Renee Metzelaar	Village Trustee
Glenn Green	Village at Large	Jim Stout	LPD Liaison

bold = present

I. Call to Order

Meeting was called to order at 7:30pm

II. Roll Call

Members of the Lakes Commission were present as indicated in bold above.

III. Approval of Minutes

Minutes from the Sept 15th meeting were reviewed. Jim S. made a motion to approve the meeting minutes. It was seconded by Jim O. The motion carried unanimously.

IV. Communications and Correspondence

- A resident email has been received concerning midnight fishing on Lake Waterford and replacement of a removed sign at Teal Access.
- An email was received from IDNR fisheries biologist Vic Santucci about the benefits of stocking redear sunfish in Lake Potomac to help control the snail population.
- An email was received from Jim Blumenstein, who found our web site wanting to glean from our experience in lake/pond management.
- Ken has been contacted to join our village engineer at a meeting with the Country Place association to discuss the storm water retention ponds.

V. Old Business

Lake Potomac Fish Stocking – Greg K. reported that on Friday Oct 16th, Tom Werenski from Richmond Fisheries delivered and released 140 largemouth bass (5-8”), 140 bluebill (3-5”) and fathead minnows at a cost of \$430. Per IDNR recommendation a bag of redear sunfish at a cost of \$70 were ordered from Lake County Fish Sale. They are due to arrive Saturday Oct. 24th. Bob B. will receive the order. They are recommended because they eat snails which are prolific in Lake Potomac. Stocking photos are on our web site.

VI. New Business

Special Presentation: Sediment Removal Systems - Brian Kohutko (nephew of Rich Kohutko) gave a talk about their technique for muck removal. Some interesting points from the talk are as follows:

- A vacuum system pumping at 35,000 gph under the direction of a diver can remove about 20,000 gph of muck and sediment and deposit it on land 2000 ft from the pump or into filter bags or pillows holding up to ~500 cu/yd (100 x 23 x 6.5 ft) in about 7 days. A full bag is about 600 tons.

- The bag of muck over time allows the water to leech out and the muck usually compresses about 10 to 1 to about 1500 ft³ of reusable, nutrient rich soil in 2.5-3 months. It is reported not to smell after a day or so.
 - Removal of sediment is not considered dredging and therefore does not require the normal permit process.
 - The company charges for time and materials at a rate of \$2000 per day. About 1/8 acre of sediment 1 ft deep can be removed in a day or about an acre-foot per week.
 - \$2,000 per day and about 1/8 acre = \$16,000 per acre plus the cost of the bag which is \$3,800. Removal of the dry sediment is an extra trucking expense.
 - References are available – Knollwood Country Club currently has a “pillow” on site.
 - “Punching holes” to provide depth to all fish to winter over is recommended if whole lake sediment removal is not planned with an aerator in the newly created deeper area.
 - Sediment removal can be done in small increments over multiple years.
 - Their web site is www.pondclean.com
- Discussion of Options for Lake Potomac

Following the presentation there was a general discussion centered first on listing many of the possible options for improving our lakes in general and Lake Potomac in specific. General comments are included:

 - a. General Dredging – best long term option for any lake and pond, but the most expensive, requires permitting, most disruptive and invasive to the area.
 - b. Sediment removal – the main thrust of the presentation and by consensus of all present seemed to be the most likely option worthy of further investigation.
 - c. Bacterial treatments – an expensive bacterial treatment (similar to septic tank and sanitary system treatment – e.g. Aquafix, Inc. The Bugman) that has shown marginal results in uncontrolled lake bio-systems.
 - d. Raise lake water level by raising the dam a few inches – may not be feasible for storm water retention capacity reasons as well as shoreline issues.
 - e. Aerate – various aerators from electrical to solar powered are available. Biologist recommendations and opinions as to value vary with specific application, water depth, lake volume, etc.
 - f. Status quo – maintain the lake as is with fish stocking following fish kills. The lake has done surprisingly well over the past ten years since restoration. However, each year sediment gets added to all our lakes and they are getting shallower. Lake Potomac is the shallowest with an average depth of 2 – 2.5 ft. Jim S. shared that silt receptors have been added to the Janega park project that are clean-outs to keep that newly dredged area from silt buildup. They could be added at storm drain inflows for our lakes.
 - g. We should have objectives for Lake Potomac before deciding a course of action.

Direction was solicited for the commission from Village Administrator Matt F. and Trustee Renee. Matt shared the current economic impact of the village and our commission. Tax revenue is expected to decline by 20%, eight positions have been eliminated from village staff and more cuts to LLC operating expenses could be expected. There was a consensus that it would be worth investigating a trial removal of sediment with discussion on funding. The status of our grant investigation is pending. However, obtaining funding is usually a lengthy application procedure and approval process, usually requires matching money and can open the village to regulations that come with accepting state funds.

Since the cost of a one week trial of sediment removal per the presentation was in the \$20-30K range, some resident participants suggested and were willing to have Lake

Potomac homeowners “chip in” to improve their property values. Matt F. shared the concept of a Specific Service Area (SSA) which creates a specific taxing vehicle to all such resident funding of a project.

As a result of all the discussion the following action plans were agreed upon:

1. Grant options will be investigated.
 2. SRS will be asked to check the depth of sediment/muck in Lake Potomac and give us a cost/work proposal for a trial sediment removal.
 3. The village will investigate the feasibility and details relating to the use of an SSA; feasibility of raising the dam/water level; what if any land might be available for depositing sediment; and if there is any definitive designation of Lake Potomac or the original area as a “marsh”.
 4. Jim S. will check with the Janega park project organization for helpful information regarding removal of excavated material.
 5. Bob and Tom H. will investigate references and experiences with SRS and the sediment “pillows”.
- Lake Reports:
Ken reported the water temperature has dropped to 48 degrees already on Lake Waterford. Tom H. and Bob also reported macrophytes and algae have died back and the clarity is high on their lakes as well. The fish have been at a low level of activity for some time.

VII. Staff Reports and Future Agenda Items

Matt F. reported to the LLC that the village board has approved the use of Geomelt, a mixture of beet juice, 5% calcium chloride and salt brine for de-icing village streets. This should have a positive impact on our lakes by reducing the amount of salt entering our storm drains. The village and LLC web site will undergo updating. The LLC was thanked on behalf of the village board for all its volunteer work.

VIII. Public Participation

Five residents attended the meeting and joined in the questioning and discussions. John & Terri Hermanson, 756 Beck Rd; Dan & Terry Patch, 747 Federal Pkwy; and Bonnie Parkman 689 Federal Pkwy.

IX. Adjournment

A motion was made by Jim O to adjourn the meeting; seconded by Glenn. The motion carried unanimously. The meeting adjourned at 9:20 pm.

Respectfully submitted,

Kenneth W. Funk for
Kathy Georgen, Recording Secretary

Next Meeting: Tuesday, November 17, 2009

