



Lake Orono Improvement Association INC.

Thursday March 25, 2010

Elk River Country Club

Annual Meeting Agenda and Minutes

Call to Order -

Meeting called to Order by Paul Sheets, LOIA President @ 7:50 pm

Introduction of Guests –

Paul Sheets introduced City of Elk River Mayor Stephanie Klingzing, Councilman Nick Zerwas, Councilman Matt Westgaard, Sherburne Soil and Water Conservation District (SWCD) Watershed Coordinator Tiffany Determan, Sheriff Joel Brott and Deputy Joe Shannon.

Secretary's Report - Approve 2009 Annual Meeting Minutes:

Paul Sheets provided a summary of the 2009 LOIA Annual Meeting Minutes. A motion was made and seconded to approve the 2009 minutes. Motion was carried by a unanimous vote.

Treasurer Report – 2009 Financial Report and 2010 Budget

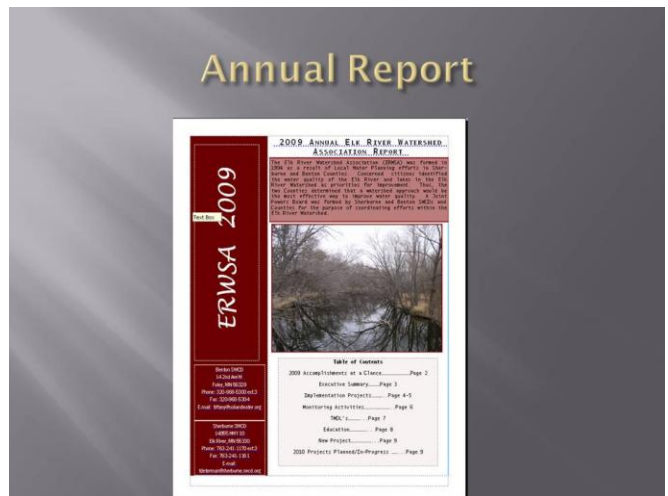
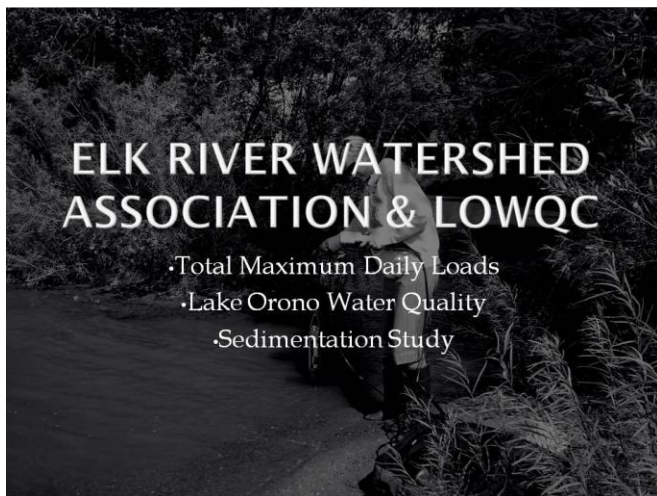
Charlene Sheets, LOIA Treasurer provided the 2009 Financial Report and 2010 Budget. A motion was made and seconded to approve the financial report. Motion was carried by a unanimous vote.

Sheriff Joel Brott -

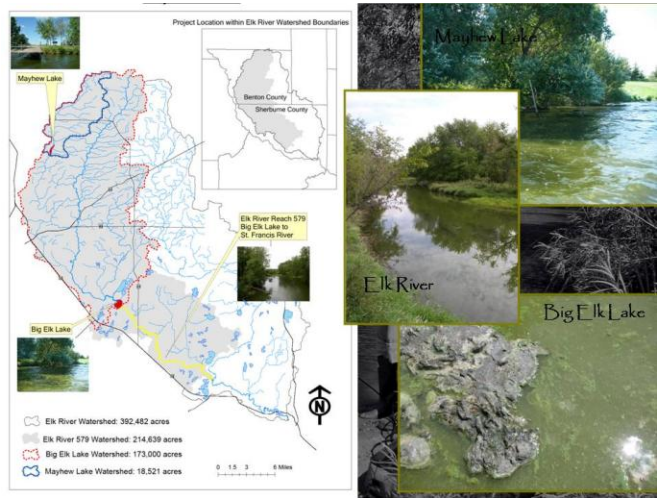
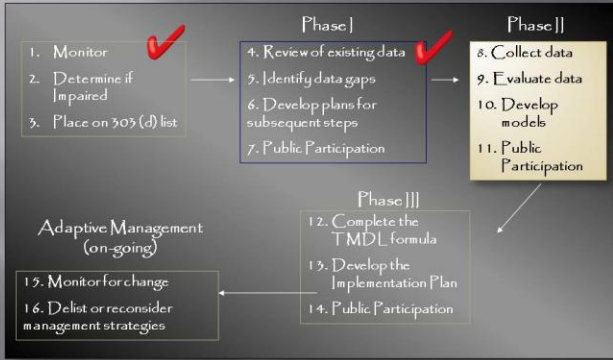
Sheriff Joel Brott provided a few remarks to help remind us of the importance of water safety. This was followed by a presentation from Deputy Joe Shannon on Lake usage laws, a summary of Lake Orono violations last year and an overview of water safety equipment and safety tips.

Soil and Water Conservation District Update -

Tiffany Determan, Sherburne Soil and Water Conservation District (SWCD) Watershed Coordinator provided a presentation on 2009 Watershed activities along with the 2010 plans. Charts are as follows:

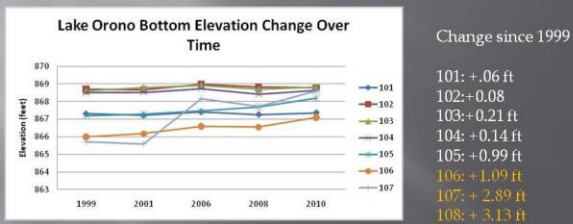


TMDLs - Update

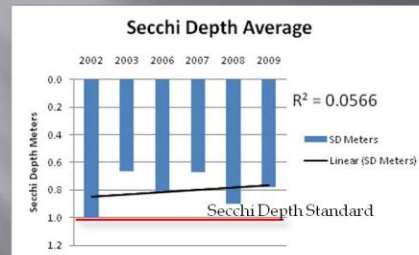


Lake Orono is on the impaired waters list, so there will be a TMDL study completed for the lake. The TMDL will be done through a new process developed by the MPCA called the Major Watershed Project

Bottom Elevation Change Over Time



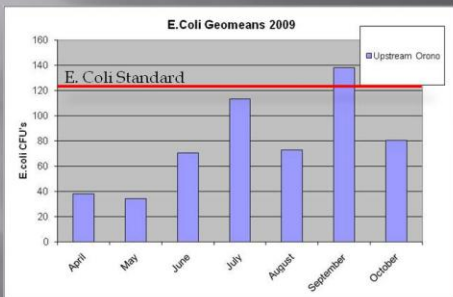
Water Quality



Very weak trend towards decreasing water clarity.

Water quality over the last 10

E. Coli above Lake Orono

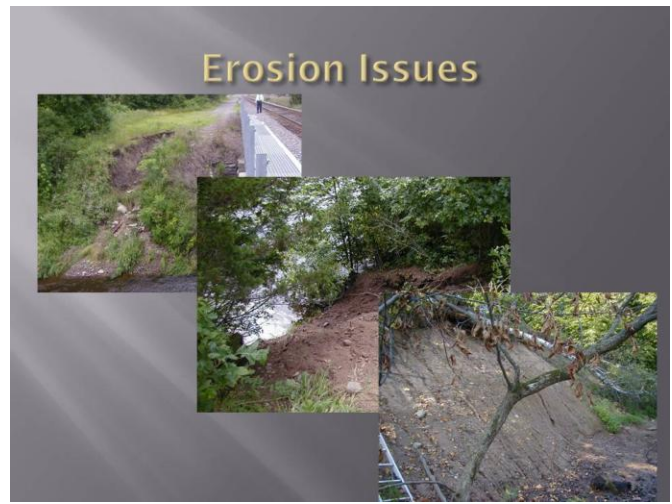
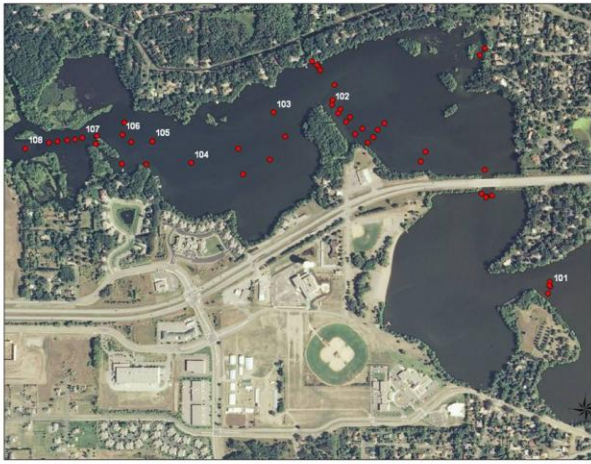


LOWQC- Sediment Study



1998-sediment study and 1999 dredging of 120,000 cubic yards including a settling basin at the mouth of the lake.

Concern that Settling basin may need dredging. Wenck will do a report on the data collected, recommend a course of action and quantify costs of associated operation and maintenance.



Major Watershed Project NEW!

Clean Water Legacy Act- 2006:
Framework & Resources for restoration
and protection

10-year Cycle

Step 1: Monitor and gather data and information (2 years)

Step 2: Assess the data (2 years)

Step 3: Establish implementation strategies to meet standards (3-5 years)

Step 4: Implement water quality activities (3-5 years)

This is a way that all of the lakes and streams within a watershed can be assessed to determine which are meeting water quality standards and which are not and to develop a watershed plan to protect and/or restore waters. Instead of completing individual TMDLs for each waterbody individually they will be done in batches. According to the MPCA's work plan, all lakes currently on the impaired waters list will have TMDLs completed on them prior to 2013. This will include Lake Orono.

With this plan the waters will be monitored every 10 years to determine the status.

- Also talk about benefits: Ongoing, predicable cycle for water quality management and evaluation
- Integrating watershed protection and restoration needs into a single management plan
- More efficient approach to addressing impairments,
- Common framework for monitoring, TMDL studies, and implementation strategies,
- Increased stakeholder interest and local support,
- Improved collaboration and innovation,
- Reduction in the cost of improving the quality of waters.

City of Elk River Updates –

City of Elk River Mayor Stephanie Klingzing, Councilman Nick Zerwas, Councilman Matt Westgaard provided a few remarks and fielded questions from the membership. The City staff was complimentary of the LOIA involvement with the City and the County to support Lake Orono environmental and economic concerns.

Committee Reports – Committee Chairs

Membership, Safety, Conservation, Communications,
Lake Orono Water Quality Committee

The Lake Orono Water Quality Committee provided a report of the 2009 activities and the plan for 2010. Charts are as follows:



Lake Orono Improvement Association

Lake Orono
City of Elk River Planning Session
December 2009



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Lake Opportunities

- Impaired Water Quality**
 - The most public of issues
 - Fecal Coliform & Phosphorus are the main offenders
 - Working to identify largest contributors
 - We need to reduce the number of Beach postings
- Invasive Aquatic Vegetation Issue** (Curly Leaf Pondweed)
 - A problem that requires intervention
 - Looking for help to aggressively address this issue
 - The longer we wait, the more expensive (environmentally and economically)
 - LOIA supports the lake draw down control technique
 - A long term plan is needed
- Dredging Strategy**
 - 10 years have passed since the Dredging
 - Studies are needed to determine best path forward
 - Cost and environmental impact avoidance




Caution – Impaired water quality
 Potential health risk if swallowed
 For detailed information, please click here





Lake Opportunities

- Conservation Activities**
 - Annual stocking of game fish will continue
 - 2009 and 2010 will be suspended due to planned lake draw down in the fall of 2010 to support CLP control
- Lake Management Plan**
 - Addresses Long term lake viability
 - A comprehensive plan that includes:
 - Impaired Water Quality
 - Invasive Aquatic Vegetation Control
 - Waterway Navigation Preservation
 - Erosion
 - Conservation
 - Describes the Partnerships between the City, County, State & Community
 - Seeking grant funds to update this living document

Lake Orono 2010 Plan

Activity	Time Line	Resources	Cost Estimate	Funding Source
Curly Leaf Pond Weed Control	Oct 2010	LOIA, Elk River Community, City of Elk River, Sherburne SWCD, DNR, Elk River Utilities, S2S	Labor	LOIA, City of Elk River, DNR, Elk River Utilities, S2S
Fish Stocking	Deferred in 2010 due to planned lake draw down	n/a	n/a	n/a
Water Testing	On Going	LOIA, City of Elk River, Sherburne SWCD	Labor and Lab Costs	LOIA, City of Elk River, Sherburne SWCD
Dredging Study	Summer 2010	LOIA, City of Elk River, Wenk	\$5,000	City of Elk River

Keep Lake Orono a Valuable Economic and Environmental Resource




Curly Leaf Pondweed Control Plan

The Lake Drawdown Process:


- 75% of Lake Property Owners need to sign a Petition asking the City of Elk River to apply for a Lake Drawdown permit from the MN DNR. (by law, the City must apply for the permit)
 - Petition signing is in process, estimate completion by the end of 2009
- The City of Elk River is required to hold a Public Hearing on the Issue
- The City Council needs to approve the Permit Application before it can be submitted to the MN DNR
- The MN DNR will require at least 40 - 45 days for processing of the application. Preliminary discussions them indicate that they will likely approve the permit as long as proper provisions are made for wildlife survival, most notably, the Blanding Turtles
- The Elk River Municipal Utilities can then start the gradual drawdown process – assuming the weather conditions are adequate
- Given the timelines for this process, the draw down would likely occur in the fall of 2010

The draw down will occur in the fall of 2010



Curly Leaf Pondweed Control Plan

- A team consisting of the Sherburne County Soil and Water Conservation District, City of Elk River Environmental staff and the Lake Orono Improvement Association Water Quality Committee has concluded the best resolution is a managed lake drawdown in the fall to allow a hard freeze kill of this damaging weed.
- The water elevation adjustments would be done during the timeframe of mid- to late October in a gradual manner when average daytime temperatures are still 50 – 55 degrees Fahrenheit. This technique will facilitate a proper environment for animal species adaptation during this temporary action. The water level would remain down until a hard freeze occurs.
- This will allow us to achieve the environmental objective of Invasive Curly Leaf Pondweed reduction while accounting for all desired species survival, most notably, the threatened Blanding Turtles.



If the Curly Leaf Pondweed continues to be prevalent, LOIA will continue to work with the City to follow the lake draw down process in the fall of 2010.

2010 Open Positions –

Election of Secretary and Parliamentarian

A nomination of Lee McCullough for Secretary accepted. No other nominations were submitted. A vote to elect Lee McCullough as Secretary was unanimous.

A nomination of Ed Buttweiler for Parliamentarian was accepted. No other nominations were submitted. A vote to elect Ed Buttweiler as Parliamentarian was unanimous.

Election of District Representatives 1 and 2 - Incumbent Reps are: District 1- Ed Bury, District 2 - John Weicht

A nomination of Ed Bury for District 1 representative was accepted. No other nominations were submitted. A vote to elect Ed Bury as District 1 representative was unanimous.

A nomination of John Weicht for District 2 representative was accepted. No other nominations were submitted. A vote to elect John Weicht as District 2 representative was unanimous.

2010 Event Poll Results & Date Setting

Smelt Fry -	Wednesday May 12, 2010
Progressive Dinner -	Saturday July 31, 2010
Luau on the Lake -	Saturday September 11, 2010
2010 Annual Meeting -	Thursday March 24, 2011

New Business

The Lake Orono Improvement Association was Incorporated in 1971. 2011 will be our 40th Anniversary. The Board of Directors will start a planning to effort to celebrate this landmark. Paul Sheets solicited all members to be on the lookout for and Lake Orono memorabilia to be displayed at the celebration.

Adjourn -

A motion was made and seconded to adjourn the meeting. Motion was carried by a unanimous vote. Meeting was adjourned at 9:20 pm.

Minutes prepared and submitted by Paul Sheets