



## Meeting Minutes April 13, 2009

The meeting was called to order at 7:06p.m.

### Attendance

<input checked="" type="checkbox"/> Matt Boulay	<input checked="" type="checkbox"/> Keith Kluzak	<input checked="" type="checkbox"/> Bob Erickson
<input checked="" type="checkbox"/> Sue Boulay	<input type="checkbox"/> Mike Kohser	<input checked="" type="checkbox"/> Ray Romon
<input checked="" type="checkbox"/> Larry Klante	<input checked="" type="checkbox"/> Jen Schulenberg	<input type="checkbox"/>
<input checked="" type="checkbox"/> Denise Klokow	<input type="checkbox"/> Scott Selkirk	<input type="checkbox"/>
<input type="checkbox"/> Dianna Kluzak	<input checked="" type="checkbox"/> Fred Wenthe	<input type="checkbox"/>

### Called to order at 7:05

#### Meeting minutes

Jen motioned to approve March's meeting minutes. Keith 2<sup>nd</sup>.

#### Cyrus Trail

Keith met with Cyrus Trail road association to discuss maintenance of the drainage project. The Cyrus Trail homeowners did not want to be liable for upkeep of the drainage. Larry brought up the concern of one berm washing out. Fred will look at the situation and then talk to Tony about what needs to be done.

#### Special Guest – Ray Romon – Lake Zumbro Siltation Bathymetry

The purpose of inviting Ray was to get more information on remapping the lake bottom which will help us move closer to TMDL.

Copy of presentation:



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Some notes taken during the presentation.

- Lake Zumbro has 2 boards. One is non-profit. The other is more of a club... It's possible to have the exact same board. 2 separate meetings. (non-profit can't lobby for \$)
- Lake Zumbro is a hydroelectric reservoir. They are looking to dredge it.
- \$175,000 from state and matching funds locally for dredging. \$10M estimated to complete dredging project.
- Just formed joint powers board that will be empowered for taxation to get matching funds.
- 2005 – first analysis by Ray
- Boat Used: 24' pontoon
- GPS needs real time breadcrumb. Min 10,000 points. Captures data 1/sec

#### General Mapping Procedure:

1. Calibrate equipment each time. Pole to measure depth.
2. Measure shoreline outline where land meets water (in winter – walk, in summer – get boat as close as possible).
3. East/West transects
4. North/South transects
5. Get a 30 foot grid. (stay 16 seconds inside each grid)
6. Need to watch sonar screen for artifacts and make sure you still have enough accuracy (South side of lake with hill might be missing some satellites)
7. Need a water level for each time measurements are taken.
8. Check that cross sections are within 1-2"
9. ESRI – sells software (Ray wrote his own)

- Ray used Kreiging interpolation for data plots. Averaging elsewhere.
- Main reason Zumbro is impaired is because of the Rochester sewage plant 10 miles upstream, TMDL and Mercury. Phosphorus because of agricultural run-off and Rochester Sewage plant. Hot temps promote algae blooms. Rochester is restricted to max phosphorus (no matter how much load)
- In 2005 – can't even get through southern tip of lake
- \$4/cu yard is the LOW END pricing for dredging
- Dredge pumps use diesel fuels (so cost is dependant on cost of diesel)
- Lake Zumbro is going after Agriculture inlets – state law that says you can't cultivate within a 50 ft buffer of stream. Ethanol plants are a big problem.
- Rochester public utilities (northern Rochester) wanted to do geothermal. He helped them with their mapping.
- \$3000 (estimate) for him to do our lake. (He will need to give us a better idea of pricing because he'll have to update his software because of the island)
- We should discuss whether or not we want to hire him for the mapping at the picnic.

#### **501c3**

Application process is lengthy. There is an attorney on the lake.

If we want to lobby, we can work through a local organization.

Need copies of all minutes and newsletters. Need all bank statements and financial.

All fund raising activities and details of projects.

Signatures of 2 original board members.

Need to file board members at the beginning of the organization.

Another option: August meeting can be the 1<sup>st</sup> meeting.  
Would need to notify board members.  
Annual fees are for Aug 1<sup>st</sup> through July 31<sup>st</sup>.  
Get all work/forms done and then start new Aug 1<sup>st</sup>.  
Let people know at summer picnic. (Something in writing.)  
Do we need to rename our organization?

### **Water Sampling**

Agreed that we should continue to take water sampling and pay the cost to get measurement information.

Bob suggested we call Henry Quade to see if he would come to analyze our lake.  
He also suggested we hire Donny Ingram to take aerial shots.

Fred discussed grants for rain gardens.

Jen motioned to adjourn.  
Larry 2<sup>nd</sup>.

**Meeting adjourned at 9:10pm**