



P.O. Box 202, Balsam, Lake, WI 54810

## BALSAM LAKE PROTECTION AND REHABILITATION DISTRICT

**Regular Meeting February 20, 2016  
Polk Business Center Meeting Room**

### MINUTES

**CALL TO ORDER:** The meeting was called to order at 8:37 a.m. by Ray Sloss.

**COMMISSIONERS PRESENT:** Ray Sloss, Carl Holmgren, Rod Preble, Howard Seim, Tom Kelly and Ed McGlynn.

**COMMISSIONERS ABSENT:** Bill Mork

**OTHERS PRESENT:** Mindi Anderson, Caroline Rediske, Matt Berg, Cheryl Clemmens, and Bill James

**APPROVE AGENDA:** A motion was made by Howard Seim and seconded by Tom Kelly to approve the agenda. Approved.

**APPROVE MINUTES:**

- A motion was made by Howard Seim and seconded by Ed McGlynn to approve the minutes from January 16<sup>th</sup>, 2015 meeting. Approved.

**PUBLIC COMMENTS:**

- None

**ANNOUNCEMENTS:**

- A motion was made by Ray Sloss and seconded by Ed McGlynn to share internet access with JJ Web service. Approved.
- Cheryl Clemmons won an award.
- Chris Nelson is running for District 4
- Lakes Convention in March 30 –April 1. Need to know who is going, so reservations can be made

## TREASURER'S REPORT:

- Carl reported that as of January 16<sup>th</sup>, 2015 we had a Bank Balance of \$184,905.35. Includes Checking (\$121,710.53), Protection Fund Checking (\$63,187.39), and Savings (\$7.47) and payment of Claims totaling \$16,244.99 for the period January 16, 2016 thru February 20<sup>th</sup>, 2016.
- A motion was made by Tom Kelly and seconded by Howard Seim to approve the Treasurer report and pay claims as presented with the grant being changed to zero with no negative numbers. Approved.

## COMMITTEE REPORTS:

- **WATER QUALITY-EAST BALSAM (Ed / RAY)**
  - Bill James reports:
    - East Balsam phosphorous levels
    - Sediment~land use water shed
    - Internal phosphorous loading
      - Stratification zonation
      - Light zonation
      - Dissolved oxygen zonation
    - Iron used by aerobic phosphorous
      - Prereleased from iron under aerobic conditions
      - Phosphorous accolades in the hypolimnion (bottom waters)
      - More algae
    - Water Quality issues
      - Most of it comes from internal sources (50%)
      - Watershed (37%)
      - Precipitation (13%)
    - Research Elements
      - Examine seasonal water quality
      - Experimentally quantify internal P loading from intact sediment cores –
      - Quantify vertical variations in sediment characteristics and mobile phosphorus pools
      - Estimate alum dosage
    - Alum dosage determination
      - Apply to surface of the water
      - Forms a precipitate  $Al(OH)_3$  that settles to the sediment •
      - Irreversibly binds sediment P that is bound to Fe •
      - Can result in dramatic decreases in internal P loading for years •
      - Temporarily lowers pH
    - Pros and Cons
      - Shown to have long-term effectiveness (5-20 years)
      - Safe when dosage is professionally estimated
      - Generally safe for fish and other biota
      - Causes temporary decline in pH – must maintain it above 6
      - Shallow lakes with resuspension can affect the alum floc
      - Watershed P sources should be relatively low
    - Conclusion
      - East Balsam is eutrophic with potentially harmful cyanobacterial blooms

- Findings indicate internal P loading is important in driving these blooms
  - Alum application to control internal P loading will result in much improved conditions – lower bloom frequency (Barr study)
  - Alum treatment will be expensive and more than one application will be necessary for successfully meeting WQ goals
  - Alum dosage concentration will be high to increase effectiveness and longevity

- **AQUATIC PLANT CONTROL: (Rod / Carl)**

- **Harvesting: Rod**

- We don't want to get the attorney involved against the loan place
  - Hoping to hear from them by the beginning of the week
  - We have other options if the loan falls through, looking at banks
  - We'll need loans to build the buildings
  - Keep posting in dockside
  - If needed contact Adam Jarcow
  - Dennis would like us to sign and will need the other 1/3 balance (\$45,881.66) 1/3(\$55881.66) Final (\$55,881.66) for a total cost of (\$167,645.00)
  - Letter of Credit
  - BLCP 1<sup>st</sup> \$59,725.25
  - \$27,605.25
  - \$10,000.00 Truck
  - \$17,605.25
- |  |                     |
|--|---------------------|
|  | \$167,645.00        |
|  | \$ 30,00.00         |
|  | <u>\$ 29,120.00</u> |
|  | \$142,120.00        |
- Matt will email and give the go ahead when we can harvest

- **Herbicide: Carl**

- Permit is in
- Newsletter and it's on the website
- Kevin Wagner will do the testing again this year, will have him use the GPS so it is more accurate

- **CLEAN BOATS CLEAN WATER: (Carl)**

- Working on it
- Getting referral names
- Working up monitor schedules
- Training will be held tentatively April 27th

- **DOCKSIDE NEWSLETTER: (Ray)**

- Will need articles by mid March

- **EDUCATION: (Ray)**

- None

- **WEBSITE: (Ray)**

- None

- **PUBLIC APPOINTMENTS:**

**Balsam Lake Village: (Tom)**

- Nothing

**Polk County: (Carl)**

- None

- **SEDIMENTATION PROJECT: (Howard / Rod)**
  - Dredging provision has been removed (SB469)
- **WATERFRONT RUNOFF PROGRAM (WRP): (Tom)**
  - None
- **CONSERVANCIES: (Ray)**
  - Leich residents are not interest in selling
  - Pat Johnson are possibly interest in selling
- **BLPRD EXECUTIVE:**
  - None

**OLD BUSINESS:**

- None

**NEW BUSINESS**

- None

**FUTURE AGENDA:**

- Next meeting March 19<sup>th</sup>, 2016
- Lakes Conference March 30<sup>th</sup>-April 1st

**ACTION ITEMS:**

- Carl will draft a E-mail blast for BLHA to review and distribute for members to send their Pro/Con thoughts to Sen. Sheila Harsdorf and Rep. Adam Jarchow related to dredging (AB-600).
- Bill to get on the May agenda at the Village to talk about the boat landing and charging \$5.00 to each boat during a fishing tournament.
- Ray to get a mailer together alerting the lake district about AB-600.
- Bill to start ground work for loan process.

**ADJOURN:** There being no further business, a motion was made by Howard Seim and seconded by Rod Preble to adjourn the meeting at 12:30 a.m. Approved.

Respectfully submitted:

Mindi Anderson, Administrative Assistant for  
Carl Holmgren Secretary/Treasurer

**Next meeting: March 16<sup>th</sup>, 2016 at 8:30 a.m. at the Polk Business Center**