

Papakeechee Protective Association

LAPSI Team Meeting 8/16/13, 7:00pm

Minutes

Attendees (Alphabetically): Kendall Floyd, John & Georganna Hart, Mack & Jodi Hedges, Mark Laurent, Anthony Serianni, Rosalie Sorg, Virginia Surso, Diane Tulloh

Old Business:

Water Testing – Hannah: Hannah borrowed a dissolved oxygen (DO) meter and completed taking readings. There appears to be a layer where DO drops. See data and graphs Hannah sent (8/15/13 and also pasted below). Excellent is considered 90% or greater; good = 89%-75%, fair = 74%-60%, poor = less than 60%. DO should be higher in colder water, but this was not the case on Papakeechee. She suspects extremely low levels near bottom are due to decomposition. Anthony expressed potential need to read DO on several occasions. He also discussed how best to plot results. Anthony again mentioned using a hypersurface (a 3D plot).

It appears that the northeast bay has higher levels of DO than the other bays.

Anthony said DO may be related to turbidity since turbidity inhibits plant growth which would otherwise release oxygen.

We should eventually test phosphorus (P) and nitrogen (N). We may not be able to do this on our own.

E. coli: Usually correlated with other pathogens. Certain types can make us very sick. Used Goshen Micrology Laboratory's Easygel. Used one foot column of water using a rubber hose. Hannah has found some indications of E. coli. No E. coli was found at 12 points. However, two are deemed "unswimmable" due to E. Coli levels. Discussed and made plans to retest the high E. coli data points. Anthony and Hannah planned on going to Goshen and getting an extra 10 test kits, then performing the tests over Monday and Tuesday.

Hannah discussed the calculation of the E. coli rating.

Again, we discussed privacy issues revolving around publication/sharing of data.

Anthony said we are nowhere near sharing data at this point, certainly premature to draw any conclusions, but should start taking about it. ...and of course the data would only be shared with the board, perhaps with our recommendations. We also discussed the possibility of having somebody from the outside interpret/evaluate our data and then that individual could share it with the board.

Hannah has the protocols and S.O.P.s on flash drive.

A big "thanks" to Hannah!!!

Discussed possibility of using a Google drive, Hostgator FTP, etc... for data storage.

Sociological component; from questionnaires: Many people reported that they will stay for the next 10 years. Average age 64. 89% have not attended a lake seminar within last year. 74% felt the lake was moderately healthy. Interpret data as pretty good canvas to get people involved. Talked about interviewing some other people on the lake.

Possibility of scheduling more seminars for our residents. Maybe bring in 2-3 people over the year.

We should start a database of resources, contacts, vendors, etc...

Hannah is going to the annual WACF meeting to distribute the sociological component questionnaire.

John: WACF Talks & Eats: Three speakers, regional DRN guy (Jed Pearson) talked about health of lake area. Two cleanest are Knapp and then Gordy. So clean they are talking about stocking Cisco. (Knapp is getting sewers next year.) John and Georganna won the WACF door prize which is two tickets to the NAMLS annual conference.

Lake Mapping: John passed around his computer with current bathymetric map. He's still taking readings to "saturate" it with more data points.

Miscellaneous:

1. John mentioned that we (LAPSI) received a \$50 donation at the annual meeting.
2. Anthony at Ron Corson: 30-40 years ago people were posing the same questions we are currently asking. They (Papakeechee) even contracted to insert tubes into the lake to increase the DO. Anthony looked at this today.
3. John: Ask Carl Kyper if he wants to be a guest speaker. Koher resident. He used to do water testing over on Wawasee. We said "yes" we are interested in having him speak to us.
4. Anthony – High resolution aerial shot. Anthony purchased one at one meter resolution. Kendall to forward out to the team. Anthony is still looking for a higher resolution
5. Wikipedia page: Anthony brought to the attention of Steve Herndon. Steve responded with "look into it". Mark mentioned Mail Journal article that we may be able to use. Anthony to look at how easy it is to change.
6. Hannah had a shirt made. Think about logo. Nice to have an ecological theme.

Finances - Virginia: Provided a simple checkbook and a list of the donations. Provided to Kendall for Minutes.

Approval of Minutes from Previous Meeting: Yes.

Next meeting: 7:00pm on 9/6/13 at PPA Bldg.

Next Board Meeting: 9/7/13, 8:00am

Preliminary graphed DO results:

