

Papakeechee Protective Association

LAPSI Team Meeting 4/12/13, 7:00pm

Minutes

Attendees (Alphabetically): Kendall Floyd, John & Georganna Hart, Jodi Hedges, Anthony Serianni, Diane Tulloh, Jerry Yoder (& Sawyer)

Guests: none

Old Business:

Hannah Becker and the Da Vinci Grant: The grant is available to undergraduates who wish to carry out interdisciplinary research. The proposal was submitted and subsequently funded in the amount of \$4,468. The grant stipulates that the money gets used by Hannah for housing, food, and transportation. Georganna will check on the B&B price. Anthony has already checked pricing for the Brook Pointe Inn.

Hannah's research will start approximately mid-June for a period of 8 weeks (daily week-days). The research will entail lake measurements as well as a sociology component, perhaps studying both Papakeechee and Wawasee to better understand those two communities. Others involved on the project include John Sitter-Engineering, Dan Lapsley-Psychology and Ann Serianni-Social Psychology.

The next step is to write measurement protocols and Anthony will write those with Hannah.

Additional funding possibility: From a donor known for giving to Notre Dame. A proposal was written for an 8 year period in which the donation was split into two \$100,000 endowments. This would go toward Notre Dame's Sustainability Minor program and recipients would draw on the interest of about \$5,000 to \$6,000 per year. We may be able to get some of this money as support for a student doing a project at PPA. Anthony will know more about this mid-May.

Miscellaneous: John reported that the letter from Anthony to the PPA Board was received well.

Mitigated wetland monitoring: The Board still needs to review the proposal from the consulting firm. The proposal still hasn't been found or has materialized. Anthony talked about sample mitigation plans. He indicated there are a bunch of rules and procedures that must be done correctly. For example, twice per summer: plant surveys (so you must have the ability to recognize the plants), look at soil wetness (digging a hole that is a certain number of inches and then time how fast it fills with water). We are waiting to see what the board decides.

Indiana Lakes Management Annual Conference: Nobody from LAPSI attended the conference. WACF received the 2013 Outstanding Lake/Watershed Association of the Year Award.

WACF: Next WACF meeting is on Wednesday 4/17/13 at 4:30pm at the WACF Education Center. Notify Anthony if anyone wants to go. He is planning on attending this meeting and as many others as he can.

Lake Mapping – John: John purchased the Lowrance depth finder. This week he hopes to start familiarizing himself with the unit. He mounted it together with a motorcycle battery as one unit so that it can easily get attached to a paddleboat or kayak. However, since it mounts with a suction cup the surface must be appropriate. With a \$60 option we can better affix to boats using a 1” ball.

We discussed the use of the chemical boat. John said we already have the Board approval to use the chemical boat for any testing purposes. It gets docked at Terry’s during the summer. We felt that data gathered would be a lot better if we use the chemical boat since it is more stable. John will work with Hannah on the Lowrance. John will e-mail the manual to Anthony. We will decide as a team at which locations to test (set way points).

Should we have the sounding (mapping) work done before we start testing? We may start testing prior to having lake mapped. However, John thinks he may be able to get the lake mapped as soon they get the chemical boat in the water. He will first test the process from his paddle boat.

John didn’t buy the Dr. Depth software since Lowrance now provides a subscription service where you send them your data and they will map it. You can then view the map for free on their web site, but you must then buy it. We agreed to use the Lowrance freebie for our initial map.

Papakeechee laboratory and water testing:

Now that we know Hanna is due to be here, we will proceed with equipment acquisition.

Jerry has constructed an oven out of a cooler and a water bed heater. He may buy an indoor-outdoor thermometer with a high/low indicator so he can get a better idea of how stable the temperature can stay. However, we opted to proceed with the purchase of an oven to ensure that we can attain a constant temperature. Jerry is going to continue to work on his oven in the event we need another.

We discussed the use of the chemical boat by Hannah for water testing. John said we already have the Board approval to use the chemical boat for any testing purposes. John will ask board specifically if Hannah can use the boat. Anthony insisted that she wear a PFD any time she is on the water.

We will test turbidity first. Over the next month Anthony will buy the oven and then the other equipment we need for e-Coli testing.

Water in PPA building – John: John called Kosciusko County who said we are not in their jurisdiction since we are not considered residential. They referred him to IDEM South Bend since we are commercial. IDEM said we didn’t use enough water to fall into their jurisdiction. John was then referred to the DNR who checked into it for us. The result: we got verbal permission to use residential setbacks.

The septic is already in place and approved and was simply was never used. We need to trench 15 feet from the building for the well then run pipe to building. The board seemed OK with this but hasn’t yet cut loose with the money. We may want to reach into LAPSI money for this. All we need is a point and some pipe. Everything else can be provided through lake members. John will ask Board if we can use LAPSI funds to complete the water setup.

We hope to have water when Hannah arrives this summer.

Anthony showed us the book *Limnology* by Jacob Kalff which he acquired. It was suggested by Steve Carpenter, a friend of Anthony's from The National Academy of Science. We could possibly invite him (Steve) down.

Approval of Minutes from Previous Meeting:

Approved. Kendall will send to board.

Other old business, etc...

Margaret Mead allegedly wrote several of her ecology (anthropology? – kaf) textbooks at Papakeeche. The book *Letters of Papakeeche* (by Giese?) specifically states that she was here. Virginia says she knows exactly which cottage. (Postscript from Kendall: After a great deal of on-line searching I could not find this book. Could it have been *'Lead Thou Me on': Reflections from Lake Papakeeche* by Vincent J. Giese?)

New Business:

None.

Next meeting: 7:00pm on 5/10/13 at PPA Building