

## Papakeechee Protective Association

### LAPSI Team Meeting 9/14/12, 7:00pm PPA Building

#### Minutes

Attendees (Alphabetically): Bernie Ebetino, Kendall Floyd, John Hart, Mack & Jodi Hedges, Mark and Jan Laurent, Steve Longstreet, Terry Radtke, Anthony Serianni, Virginia Surso, Diane Tulloh

#### Review of action items:

John

- Ask Terry to attend meeting: Terry will attend as much as he can.
- Web site discussion with the board: Discussion did not take place and he hopes to get it on the next board meeting agenda.
- Research mapping software: He finally found something apple compatible, although he didn't readily have a title. "Only for plotting the depths". Appears to work pretty well. Also discussed self-contained unit that also does weed density (about \$10,000, whereas a service costs \$5,000). Discussed the possibility to hire/rent this on a collaborative nature, possibly with WACF.

Kendall

- Discussed web options recommended by his web developer which included:
  - Web site hosting by hostgator.com for about \$6/month for "unlimited" space
  - Manage web content using wordpress.org.
  - One of these two tools allowed for one click installs of such things as
    - Calendar
    - Media player
    - Mobile size page
- Kendall to attend next board meeting to discuss options(2<sup>nd</sup> Saturday of the month)

#### Weed Treatment Discussion - Terry Radtke

- Curley Leaf Pond Weed – first weed to grow after ice melt
- Since there was little ice cover this year, the Curly Leaf "went crazy" and started early. Terry put chemical in 2 weeks earlier than usual.
- Then he starts removing the dead curly leaf and the large leaf pond weed. In some earlier years chemical may not have been applied early enough. However, we haven't had too much large leaf "to speak of" due to the low water level.
- Terry showed a map he had made which shows weed dumping area and curly leaf areas. Terry will e-mail the map.
- John passed out document supplied by Terry on what he does.

## Dredging Discussion - Steve Longstreet with Gary Brainard of Dredge Recourses on speaker phone:

Gary has visited our lake twice. He can send photos of past jobs and references. They do not have a web site.

### The Preparation:

- determine what we want dredged
  - They work in open lakes all the time.
  - Can only dredge up to the “Angle of repose” – the angle of lake bottom must be at same angle as land approach.
  - Can dig 1 to 3 feet depending on what DNR allows.
  - Suggested putting a cap on a 1” PVC pipe. Mark it in 1 foot increments. Push it in as far as you can. This will give you an idea of how deep the muck is.
  - The dredge they have is for a small localized area (physical dredge). Larger areas are done through hydraulic dredging. (Permitting a nightmare for hydraulic dredging).
  - Do dredged areas fill back in? Depends on “angle of repose”. If you simply dig a hole, it won’t take long to fill back in.
- have a survey run to acquire the number of cubic yards we would remove
- get permitted
  - Todd Bowlen does all permitting. He is out of Ft. Wayne.
    - He’ll need us to supply him with a boat
    - He will likely survey the perimeter/circumference of entire lake. Doesn’t normally survey the center since it is seldom dredged since the DNR won’t let you dredge over 7’ deep
    - The survey will include muck depth
    - He may survey the center if we pay him extra.
      - We would want to know the resolution of the survey.
    - We are better off getting a survey of the whole lake (rather than just targeted dredging areas). This way if people want to jump in once the project has already started and also have their areas dredged we will already have the survey.
  - permit, take 3 – 5 months
  - permitted through EPA, DNR, and corps of engineers
  - Permitted based on “normal pool” (height in feet above sea level; Terry said 867’)
  - If they don’t need us to get a permit, then they have to tell us that they are not required to do so.
  - Keep in mind that the DRN does not have a plat of our lake prior to dredging. May give us play room in permitting.
- Schedule a time
  - Timing: takes about 1day/500cubic yards. Depends on how far the barges and trucks have to travel.

- They work as soon as the ice is off and quit when the ice is on. They are booked for the summer so they would have to do us in either the spring or fall. They schedule first come first serve.

#### The Process:

- Getting on lake
  - Need a place to back trailer into water. 12 feet wide and straight shot with semi. Needs 3-4' depth at launch.
- Two barges
  - Excavator barge, sits away from shore about 30'
  - Haul barge
  - Barge is 40x12x5, draft about 4 inches empty, 3.5 feet full
  - Barges pushed by tug boat which has a regular boat engine on it.
- Material removal
  - Need a place to get truck to water's edge
  - Material moved to truck, and dumped on an upland site.
  - If dumped on our property we don't need a permit. If it is not our property we need a permit to dump "off site". They have established dumping sites.

#### Cost:

- Survey costs \$1250-2500
- Permit about \$240
- Estimates are available only after the survey. Rough estimates are undependable and can be a waste.
- Minimum "move in fee" of \$20,000 or \$8-9 per cubic yard (whichever is greater)
- Price per cubic yard depends on how far it needs hauled to dump site
- Volume calculated by counting dump trucks of material removed (dump truck holding 14cu yards), or calculated by area x depth removed
- Replacing with sand
  - price of material (approx. same price as cu/yard coming out, cu yard of sand is approx. \$8-9\$/cu yard, \$150-175/truck load) and \$150/hour
  - must dredge down to hard pan before putting sand in.
  - Sand doesn't appear to be likely in our instance. They'll (the permitting agencies) only let you restore the shore to what it previously was (ex: beach back to beach)

#### General discussion:

- First step - get \$2500, do good survey which will have good GPS points.
- No one recalls the lake ever being dredged.
- Dredging may help in weed control.

- Steve will get the survey guy's (Todd) contact info to John. John will then contact him to inquire about a survey.
- Bernie stated that we must be clear on the DNR's position. We have received an e-mail from the DNR in Indianapolis which states that we are a private lake and they do not care about what we do with the weeds. This may apply to permitting for dredging. Bernie will e-mail this DNR guy to inquire about dredging.
- John to bring up at next board meeting if we can pay for the survey.

#### **Water tests – Terry Radtke**

- County performed the water test. Not all results are in. Nitrates were fine. One or two petroleum tests were broken in shipment. Still awaiting final report.
- They sampled 8 or 12 areas and marked them on a map.
- Since county did test for free, we would like them to do it each year.
- Also could get testing through Clean Lakes Program.
- Concerns were expressed at meeting regarding failing septic systems. It was pointed out that by accumulating enough data we should be able to pinpoint problem areas.
- Bernie has access to archives of water tests.

#### **WACF Ecology Committee – Anthony Serianni:**

- Issues raised at meeting:
  - e-coli
  - correlation between e-coli and swans
  - our plant disposal after harvesting
  - potential impact from the Stuckman group (we automatically test for petroleum there) – yet the Stuckman properties drain toward Turkey Creek, away from us
  - are there any sewers on the lake (yes, some probably on hatchery)
  - What single concern does WACF have in regards to Papakeechee? Water quality. Why? 20% of Wawasee water comes from Papakeechee.
- Tony agreed to attend the WACF ecology meetings regularly, although others are welcome.
- Should we reciprocate by inviting WACF to our committee? Sensitivity of collaboration. Let's get some more done before we invite WACF.
- WACF is appreciative of the contact we have made.
- Tony added last sentence of Mission in regards to “non-sports policy” because of... WACF asked about dam project and wondered if we were not able to pay for it whether we would become public. The answer was “we will stay private”.
- They have a e-coli and fertilizer run-off problems.

#### **Funding option through Omicron - John Hart**

- Board voted to match the donated funds.

### **Revisions to LAPSI doc - Tony**

- Team members are to continue to send suggestions to Tony.

### **WACF Annual Meeting – Virginia Surso**

- Professor Bill Jones Limnologist from Clean Lakes Program gave presentation on lake sustainability.

### **General Discussion:**

- State DNR web site, on which Tony found: Study on late 80s. Lots of maps which may be valuable. Tony will send out link.
- Terry mentioned a study done by Perdue on our lake back in 70s (google aquatic weed control). Take time to print out material and you can look through it as they talk (is there an audio component?). There's a picture of when the weeds laid across the lake. Our chemical blocks the carotene which allows the plants to create the color they need to grow.
- Bernie made arrangements to get a fireproof safe for document storage. Maybe next week.
- Tony stated that we are at a point where we need to start making some priorities.

**Next meeting: 10/12. 7:00pm at PPA building.**