

AMSTON LAKE HEALTH COMMITTEE
Regular meeting March 3, 2020, 7:00 PM
Minutes

ALA Clubhouse, 16 Wood Acres Road, Amston, CT 06231

Call to Order: 7:01 PM

Roll Call of members:

Attending: Jeff Arpin, Dave Bareiss, Robert Bielert, Joyce Clark, Kathy Feldman, Frank Hoisl, Teri Nixon, Les Parlin,

Absent: John Arnestad, Patty Arnestad, Geoff Bright, Al Fichtel, Kathy Garvie, Steven Reagan, Henry Shah

Attending Guest: Kelley Roy

Approve February Meeting Minutes

1st Joyce Clark, 2nd Dave Bareiss

Budget preparation – Reviewed and agreed the following should be in the 2020-2021 Health Budget. Jeff to draft an RFQ for submittal to AER. Jeff noted he had provided AER a heads up for an expected RFQ.

- AER Limnologist
 - Phytoplankton testing, Deep water Stormwater and *E. coli* results review, Year-end report, presentation
 - AER T&M for emergent issues
 - AER sample shipment costs
 - AER Bathymetry comparison (Have AER quote but may not implement)
 - AER vegetation survey
- Phoenix labs
 - Deep Water, Stormwater and *E. coli* testing
- Erosion control above (Manion, ROW)
 - Work with the town and Joseph E. Polulech, P.E. Civil Engineer to reach agreement on the Manion catch basin design and the 1st two ROW designs (Lollipop and Elsmere)
- Testing supplies to be purchased, HACK DO sensor, pH and Conductivity solutions
- Lake level monitoring equipment, level sensor, gauge a dam
- Lake sediment measurement northeast cove, Volunteers will be used at no cost to the district.
- Connecticut Federation of lakes membership (Action [118](#) - Teri will check what the benefits are for obtaining association membership)
- Barley Straw including installation and removal (algae control)
- Boat inspections in and out
- If any others are thought of to contact Frank for input into the budget

Erosion Control

- **Catch basin measurements, need volunteers (need to set March date for inspection) ([Action 119](#))**
- **Manion Road Catch Basin design modification**
 - It was agreed to send Brandon Handfield response to JEP Engineering Co Design drawing for the Manion catch basins to the author Joseph E. Polulech, P.E. Civil Engineer to decide on the next steps (Jeff forwarded letter to Joe 3/4/2020)
 - Jeff had provided comments to letter and sent to Frank for possible use during future discussions.
- **Plunge Pool Inspection**

- Discussed JEP Engineering high level designs for locations - Lollipop Site (L-12), Cove Road ROW at Southeast Cove (L-4), Meadowbrook ROW (H-13), Elsmere ROW (H-4), Oakland ROW (H-7 & H-8)
- The team that supported the Beaches and ROW walk down with Joseph E. Polulech, P.E. JEP Engineering Co. reported it was an educational walkdown.
- Robert noted he could complete the Lollipop survey by March early April then start on Elsmere so we can move forward with the detention basin designs.
- In reviewing the Elsmere ROW design, it was noted that it would be very difficult to clean a catch basin near the lake and that we should get an alternative design solution. Jeff to prepare a note and send to Joyce so she can add to an email to Joe describing our next steps as follows (Action 113)
 - Request detailed designs for Lollipop (detention basin only) and Elsmere (without catch basin near lake)
 - Hold off on detailed designs for other ROWs at this time

- **Lebanon land conservation interface and lead for Amston lake, need volunteers**

Robert noted he could work with Les as a central point for the committee interfacing with the town of Lebanon. Les will draft a summary email of the discussions and documents the Health Committee can review (Action 114 Completed 3/5/2020). The Lebanon 2020 Plan of Conservation and Development is expected to be issued in June for public comment so our input needs to be in about a month before that time at the very least. It was noted that this plan only gets revised every 10 years so this is our opportunity to attempt to get our needs into the towns plan.

- **Barley Straw distribution map**

Discussed how the mapping could be performed and that we will use the guidance from Kathy Feldman sent out on barley straw use to minimize algae in our lake. Dave noted he would request help in an email and set a date to mark and document where barley straw bales need to be installed. (Action completed 3/4/2020)

2020 Water Test Program

- It was noted that stormwater and Deepwater sample collections do not occur from noon on Friday until noon on Sunday due to the limited hold time of the samples and that the lab is not open during the weekend.
- Joyce will look for flows at inlets during her lake walks and report to the committee for evaluation of a new site. (Action 115)
- Discussed Dropping sites L20 and L33 and Adding L4 but need to investigate stormwater data
- Teri, and Les noted they could help Stormwater Collection site review team as volunteers
- We reviewed the current Storm water collection team/backups, (Al/Jeff 4 sites, Jeff/Dave 3 sites Dave/Les 3 sites, Joyce/Kathy F. 3 sites) We are trying to get backups that are not already part of the collection team. Frank will send out an email blast asking for volunteers noting we collect in the rain and that training is required and will be performed by the ALHC.
- Deep water collection team and backups, need volunteers (Currently Jeff/Fran (wife) / Dave) We would like to get others to understand what is performed and a possible boat backup. Jeff prepared procedures for stormwater and Deepwater collections. The Stormwater procedure was validated last year and will be used this year. The Deepwater was just prepared this year and needs to be validated by using during a sample collection to make sure it is accurate. The procedures were sent to a limited team for review.
- Kathy Feldman noted she could be the Phoenix, Chain of Custody, bottle order, collection interface backup for Jeff. Kathy was the initial person who interfaced with Phoenix labs and currently understands the process.

Lake Filling for 2020 spring preparation

- Started increasing lake level starting March 1st by installing additional weir boards. We are starting a bit earlier this year because there is no snow melt and all the precipitation was in the form of rain and already out of the lake.
- It was agreed to add the Lake level monitor, Internet (\$200), Staff Gauge (\$50) to the budget.

AER year end reporting

- Report version 3 was approved 2/17/2020, Frank is adding to LHC website
- Jeff requested AER to submit letter transmitting approved report along with Invoice for report and walkdown
- Jeff was requested to prepare the Request For Quotation (RFQ) for AER in accordance with the budget items above. (Action 112)
- Discussed the Northeast cove and other areas walkdown by AER and plans to measure the “muck” depth this year to better understand the amount of debris there and to possibly measure again to map differences to see if we should do anything.

Committee volunteering and Interface

- How to interface between committees efficiently and effectively
 - Members of the beaches and ROWS committee that are also on Lake health noted
 - Each Beach or ROW have a lead person
 - Work performed on those areas are only approved by those people
 - Lake health noted that during the AER visit concern was raised over brush removal at Cove ROW near the area where water flows to the lake. The brush stabilizes the land so it does not wash into the lake. Frank will send the beaches and ROWS committee the lake health items we need to be contacted for. (Action [116???](#))
 - Frank noted that the different committees will be issuing meeting minutes going forward so the Health committee can review [Action 117](#)

Action Items, review and new

Actions quickly reviewed with no immediate attention needed.

New actions created and itemized below or closed in these meeting minutes

Activities in progress no updates required at this time due to amount of Agenda items

Remaining sewer hookup status (Tracking Spreadsheet updated)

Lebanon

Jeff or Joyce or Les to support future meetings to follow results of letters to unconnected properties

Hebron

All required properties confirmed to be connected, 1 home missing connection date.

Lake Health Historical activity update

- Added Barley straw quantity for 2017, earlier dates being investigated (Anita)

Amston Lake Management Plan

- Team for detailed review Joyce Clark, Les Parlin. Jeff to set up meeting

Future activities

- Hand book review, mentioned at BOD meeting some time ago
- Ordinances review and enforcement, remind us all of our rules
- Discussion of Pet waste at the Beaches and ROWS

Adjournment: 9:34 PM

1st, Frank Hoisl 2nd Les Parlin

Submitted by Jeff Arpin
Action item list follows

| Action Item No | Action Owner | Action Description | Date Assigned | Action Closure | date completed | reviewed with Committe | Print for minutes |
|----------------|--------------------------|---|---------------|---|-----------------|------------------------|-------------------|
| 6 | Frank Hoisl / Jeff Arpin | Miriah to provide the health committee access to the lake management plan information that is not on the Amston Lake web site. | 2/28/2018 | 1/7/2020 - Agree to meet after Lake history efforts are completed 12/13/19 set up meeting to review Historical file to be added to the ALHC web site (file updated 12/30/19) 1/9/2019 - See availability of Allison to meet with the health committee on Web info and access, also see actions 30, 31, 35 11/29/2018 - Structure of web site, Invite Allison to a meeting to | | Yes | Yes |
| 29 | All | How best we measure lake health committee progress, score card | 6/4/2018 | 12/11/19 - See Action item 97 7/3/18 - Possibly how many times we inform the district of lake health conditions | | Yes | Yes |
| 31 | All | Implement Action item 22 comments to Amston Lake Guide for lake management | 5/12/2018 | 1/7/2020 - Agree to meet after Lake history efforts are completed 12/31/19 AI responded to resolutions, Jeff sent info and resolutions | | Yes | Yes |
| 45 | Al Fichtel | See action item 40, waiting fish survey report | 10/11/2018 | 1/17/2020 - email update data uploaded and report coming soon, future surveys very limited due to state budget cuts. | | Yes | Yes |
| 67 | Jeff Arpin, Joyce Clark | Continue to meet with Lebanon WPCA to get homes connected | 6/5/2019 | 1/23/2020 - LWPCA meeting held with 13 unconnected property owners. The target date to get Order to Connect letter out is January 30, 2020, 21 days to appeal in superior court, requirement to connect within 120 days of January letter | | Yes | Yes |
| 73 | Jeff Arpin | Compare Bathymetry for each period to see what can be learned | 7/3/2019 | 2/16/2020 - AER can quote once ALHC provides previous reports 1/29/20 - Jeff sent email to AER, Larry 1/7/2020 - Possibly this could be part of a request to AER, Jeff to request 9/4/19 - Discussed at 9/4/19 ALHC meeting as an important item to do but not critical to do immediately. | | Yes | Yes |
| 74 | Geoffrey Bright | Compare Fish counts for each period to see what can be learned | 7/3/2019 | 7/22/19 - Geoffrey provided results from known fish counts in a spreadsheet and graph. Need to consider adding new data when received and post on lake health web site. | Waiting on DEEP | Yes | Yes |
| 78 | ALHC | Review Candlewood lake home owners guide to see if we want to issue similar information about Amston Lake | 8/30/2019 | Need to have lead person assigned | | Yes | Yes |
| 93 | Frank Hoisl | set up a meeting with the town of Lebanon to discuss the phased approach of the Manion Catch basin | 12/11/2019 | 2/24/20, Jeff provided comments to letter to Frank and suggested to forward to Joe P 2/20/20, Brandod Handfield provided design responses to Lebanon 1st selectman, who sent to ALBOD 2/18/20, Frank provided another reminder to Lebanon 1/7/2020 - Frank noted in late January or early february for meeting, Town wants about a month to review drawings | | Yes | Yes |
| 101 | Robert Bielert | As a licensed Surveyor, Robert could survey the areas identified by AI that needed attention Action item 98. Robert would start with the highest priority item and work through them. | 1/7/2020 | 3/4/2020 - Robert noted he could survey Lollipop by March Early April then survey Elsmere so we could move forward on design modifications 2/18/2020, 2/7/2020 - Email reminder for survey sent | | Yes | Yes |

| Action Item No | Action Owner | Action Description | Date Assigned | Action Closure | date completed | reviewed with Committe | Print for minutes |
|----------------|--------------|--|---------------|---|----------------|------------------------|-------------------|
| 106 | Jeff Arpin | How to monitor lake boating for Amston Lake stickers, state registrations and boating certificates (all motored boats) | 1/25/2020 | Possibly add state registration sticker information to the Inspection record so it is captured Remind residence during boat sticker pickup about state boating rules, possibly print out summary in a poster | | No | Yes |
| 109 | Jeff Arpin | Ask Hebron and Lebanon about changes to snow and ice treatment around Amston lake District | 2/17/20 | 2/28/20 - Sent reminder to hebron 2/19/20 - Jay responded that no changes in snow and ice control, still use salt/sand mixture 2/18/2020 - Send emails to Lebanon Jay Tuttle through town website and hebron Kevin Kelly through normal email | | Yes | Yes |
| 110 | Jeff Arpin | Send the Hebron and Lebanon road snow and ice treatment to the committee | 3/3/2020 | | | Yes | Yes |
| 111 | Joyce Clark | Find out when the town of Lebanon and Hebron plan to sweep roads and clean catch basins | 3/3/2020 | | | Yes | Yes |
| 112 | Jeff Arpin | Prepare RFQ for AERscope of work 2020/2021 | 3/3/2020 | | | Yes | Yes |
| 113 | Joyce Clark | prepare future steps for Lollipop and Elsmere ROW designs and send to JEP engineering | 3/3/2020 | 3/4/2020 - Jeff sent Joyce description of catch basin cleaning concern on the Elsmere proposed design by JEP Engineering | | Yes | Yes |
| 114 | Les Parlin | Add Watershed to the Lebanon Conservation Plan and send email describing the information he has captured through AER, Hebron and Lebanon | 3/3/2020 | | | Yes | Yes |
| 115 | Joyce Clark | During lake walks look for areas that have flow and provide to the committee for evaluation of a new test site | 3/3/2020 | | | Yes | Yes |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |