

AMSTON LAKE HEALTH COMMITTEE

Regular meeting May 7, 2020, 7:00 PM

Minutes

Via ZOOM meeting

Call to Order: 7:16 PM

Roll Call of members:

Attending: Jeff Arpin, Dave Bareiss, Joyce Clark, Kathy Feldman, Frank Hoisl, Al Fichtel, Les Parlin

Absent: John Arnestad, Patty Arnestad, Robert Bielert, Geoff Bright, Kathy Garvie, Teri Nixon, Steven Reagan, Henry Shah

Attending Guest: none

Approve March Meeting Minutes

1st Jeff Arpin, 2nd Les Parlin

Beaches and ROWs

- Updates to ongoing or future efforts
 - Frank took an action to get other committees to post agendas and minutes on the website (Action 120)
- Pet Waste
 - Kathy Feldman previously shared information about pet waste with the committee and will ask the author if we can share with the community (Action 121)

Budget Review

Reviewed the following budget and all agree acceptable and to use going into 2020/2021

Item	Description	2019 B	2019 E	2020
Lake Health Projects/Plans		\$2,400	\$	
Water Testing	Deep Water, Stormwater and <i>E. coli</i> testing	\$16,762	\$15,567	\$17,989
Barley Straw	6 Bales, rope, floatation, 18 tube preparation, Install Removal Volunteer	\$5,000	\$1,498	\$800
Aquatic Plant Control	See Limnologist	\$	\$0	\$
Limnologist Fees	Bathymetry comparison, Aquatic plant survey, Review and report monthly on testing, Year-end report	\$8,500	\$9,150	\$11,750
Plunge pools - New/Upgrade	Manion, Lollipop	\$5,000	\$4,870	\$7,000
Fish Restocking		\$	\$	
Other Lake Health Expense	Lake level indication, Scanning, DO, pH and Conductivity Calibration, CFL membership	\$150	\$732	\$300
Boat Inspection - Into Lake		\$800	\$470	\$800
Boat Inspection - Out of Lake		\$500	\$330	\$500
Total		\$39,112	\$32,617	\$39,139

Discussed the Plunge Pool efforts to include Lollipop basin construction and possibly additional design efforts for Manion Catch basin design. It is expected the Manion catch basin construction efforts to be \$25k to \$30K with the current information known.

Also discussed was the Manion effort cost split seeing it is both helping lake health by minimizing debris entering the lake and also helping control erosion on the Lebanon roads.

(Action completed 5/6/2020) – Jeff to send preliminary design of lollipop to attending ALHC members

(Action completed 5/6/2020 in these minutes) Jeff to find out Lebanon's fiscal year, "Board of Finance fiscal year, which begins July 1st"

Lake level monitoring equipment, level sensor, gauge for dam were purchased, received and will be installed in the coming weeks

Erosion Control

- Lake sediment measurement north cove – Tabled for further discussion
- Much discussion of the need for this effort and what we would do once measured.
- There are volunteers to perform this effort (Kathy F, Dave, Joyce, Les, Jeff),
- Do we compare to other areas around the lake to determine if it's a normal lake progression we cannot control?
- Do we use the 1996 and 2018 Bathymetry comparisons (Modified Action 74) Jeff to try to get information from NEAR for better accuracy data for 1996)?
- Team measured catch basins and sent updated Storm Water spreadsheet to the committee, this is now 2 years of data collected
- **Manion Road Catch Basin design modification**
 - April 16 meeting scheduled between JEP, ALHC and Lebanon Town for design comment closure was delayed to June by the town due to COVID-19
- **Plunge Pool Design progress**
 - JEP engineering has developed a design for Lollipop and provided to ALHC 5/4/2020, other designs delayed until Manion design meeting with the town
 - Civil Engineering Survey progress for Lollipop (Action Jeff Completed 5/6/2020) Send Robert a note about discussion with Joyce and survey progress)
 - Civil Engineering Survey Efforts for Elsmere, Robert not in attendance, no update
 - Future ROW design effort (hold until Lollipop and Elsmere show results)
- **Lebanon land conservation interface**
 - Les completed Action 114 but reopened to add scope on the same subject
 - Les and Robert report progress from last meeting, Interface with Lebanon and increased health for Amston Lake
 - Les reported that Phil Chester was all for including a recommendation that the Town conduct a Drainage Master Plan in the Lebanon 2020 Plan of Conservation and Development that would include Amston Lake.
 - Les will get an update from the town and send to the committee (Modified Action 114)
- **Barley Straw distribution map**
 - Team issued recommendation document to ALHC not to implement bales this year but with some pushback the people doing the walkdown decided to implement some bales at H11 location
 - AER was in agreement to install Barley Straw in selected locations to learn how effective
 - Team needs to document location with and without Barley straw to document changes at least monthly
 - Present result of bale installation efforts, 6 tubes at H11, 6 tubes at H16
 - Studies show approximately a 60-day effectiveness so we will change out around July, we are able to make 6 more tubes, 3 for each location
- **Dam**
 - Installation of grating, Frank will contact Jeff to install some time before May 18th
 - Maintenance of emergency gate valve, Frank to contact Carl Wool to assist in the maintenance because they have performed this function before. (Action 122)

2020 Water Test Program

- Testing supplies HACK DO sensor, pH, and Conductivity solutions,
 - purchased and received

- 2020 Testing program confirmed by AER in proposal,
 - Added Turbidity to stormwater collection testing
 - Lowered the minimum testing threshold for Nitrite and Alkalinity because last year results were off scale low. 1st results show readings we can now measure and see results
- Storm water Collection sites determined for 2020/21
 - Stormwater sites removed H15, L20, L33, sites added L4, L8, and L19 based on walkdown by Joyce Clark and Kathleen Feldman and following AER guidance.
- April Storm water collection completed, results issued and sent to AER, Spreadsheet updated
- May Storm Water collection completed, results issued and sent to AER, Spreadsheet to be updated
- Frank report on Email blast for Storm water testers,
 - Frank note no response from blast, very concerning the public is not interested in lake health.
- Phoenix backup, Chain of Custody, bottle order, collection interface. (Kathy Feldman)
 - Kathy ready to do a trial with Jeff for deep water, possibly in a month.
- Updated storm water and deep-water procedure revision issued 03/30/2020 to be in agreement with 2020 test plan

Committee Interface

- Committee membership requirements, Like BOD? meeting attendance, Action owner, other ideas
 - Frank to draft a note defining the requirements to be a committee member in good standing. We will use this to keep the committee active. (Action 123)
- Minutes for Committees expected on website? ROW, Finance, Security, Others
 - This is important so other committees can learn what is going on
 - Frank to work with the web master to get implemented (Action 117)
- Shouldn't ALHC define our meeting dates on the website so the district can attend if they want?
 - Frank to discuss with web master (Action 117)

Remaining sewer hookup status (Tracking Spreadsheet updated)

Lebanon

Continue to check on connection status with town for unconnected properties

WPCA agreed to move Lebanon sewer mandatory connection from May 29 to August 28th to be consistent with the state 90-day deferral guidelines due to COVID 19.

Lebanon worked to get people the ability to get a low interest loan.

It is believed another home was very recently connected (possibly 326 Deepwood drive), this is expected to be reported at the next LWPCA meeting for confirmation. Continued good progress on this project to get all residence connected to keep our lake clean.

Hebron

Jeff supported March WPCA meeting and noted ALHC was very happy with their support to validate all properties connected, no further action needed.

Lake Health Historical activity update

- Set up meeting to confirm 2019 completed activities

Amston Lake Management Plan

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

Lake Health Historical documentation

- Jeff scanned over 40 documents that need to be added to the health website
- Previous effort brings the electronic copy documentation to over 130 documents
- Jeff updated the historical records database to define documents that are available in electronic media (pdf, work, xls)
- Need to define how to be available to ALHC, BOD, General public as applicable,
 - Frank took Action to coordinate between Jeff and Web master to get this to occur, (Action 124)
- What else needs to be available electronically

Future activities

- Handbook review, mentioned at BOD meeting some time ago
- Ordinances review and enforcement, remind us all of our rules
 - Jeff noted he reviewed and had some concerns in the Lake rules and will send his comments to the members attending the meeting

Additional item Identified at meeting

AI Noted he had seen a plant in the Cove ROW that he had not seen before. Since the AI had captured pictures and ALHC sent to AER for review. An action plan will be developed as we learn more.

Action Items, review and new

Action items reviewed, Jeff to update

- 45 to expect report in June
- 73 -Jeff to contact NEAR about more detailed 1996 bathymetry information before moving forward with AER comparison effort (In Progress 5/6/2020)
- 78 The email blast was a good Lake health item that the lake owners guide shows and we could do this going forward as a reminder to the public on lake health items they can do to keep the lake healthy. Possibly close this action with email blasts?
- 101 Jeff to send Robert a note about documenting progress Completed 5/6/2020
- 106 – Jeff noted items in the Ordinances we need to consider in this action, Will send to team
- 114 with Les to contact town for update
- 116 with email blast by Frank
- 117 See meeting minutes above for update

Adjournment:

Submitted by Jeff Arpin

Adjournment: 9:08 PM

1st, Joyce Clark 2nd Frank Hoisl

Submitted by Jeff Arpin

Action item list follows

Action Item No	Action Owner	Action Description	Date Assigned	Action Closure	date completed	reviewed with Committee	Print for minutes
6	Frank Hoisl / Jeff Arpin	Miriah to provide the health committee access to the lake management plan	2/28/2018	4/30/20 - Scanned NEAR and other reports, need to get on to server See action 124 for how being closed	5/7/2020	Yes	Yes
29	All	How best we measure lake health committee progress, score card	6/4/2018	12/11/19 - See Action item 97 (1/9/20, Jeff sent Items to present in 2020 to district)		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 Al responded to resolutions, Jeff sent info and resolutions		Yes	Yes
45	Al Fichtel	See action item 40, waiting fish survey report	10/11/2018	4/27/20 - last Mays fish count numbers to be avail after 6/20 1/17/2020 - email update data uploaded and report coming soon,		Yes	Yes
67	Jeff Arpin, Joyce Clark	Continue to meet with Lebanon WPCA to get homes connected	6/5/2019	4/23/20 - WPCA agreed to move Lebanon the sewer mandatory connection from May 29 to August 28th to be consistent with the state 90 day deferral guidelines due to COVEC 19.		Yes	Yes
73	Jeff Arpin	5/7/20 - Added (Jeff to try to get information from NEAR for better accuracy data for 1996 Compare Bathymetry for each period to see what can be learned	7/3/2019	5/7/20 - See updated action description 4/27/20 - AER provided proposal to perform this activity 2/16/2020 - AER can quote once ALHC provides previous reports 1/29/20 - Jeff sent email to AER, Larry	Initial closed 4/27/2020	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	4/30/20 ALHC requested Phone or Zoom type meeting but Town was not in favor, noted possible Early June to face to face meeting. 4/13/20 - Town postponed meeting due to COVID-19		Yes	Yes
101	Robert Bielert	As a licensed Surveyor, Robert could survey the areas identified by Al 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
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 or (in the email blast about sticker policy in 2020) about state boating rules, possibly print out summary in a poster		No	Yes
113	Joyce Clark	prepare future steps for Lollipop and Elsmere ROW designs and send to JEP engineering	3/3/2020	5/1/20 - JEP update - nearly completed the design for the Lollipop Beach Sediment Trap Site at the outlet of the existing 15" RCP near the lake shore. I am holding off on the design for its companion site along Deepwood Drive/Island Beach Road (catch basins and connecting pipes) depending on the discussions and decisions for the Manion/Deepwood Site. I will forward copies of the Sediment Trap design drawings to Joyce when completed.		Yes	Yes

Action Item No.	Action Owner	Action Description	Date Assigned	Action Closure	date completed	reviewed with Committee	Print for minutes
114	Les Parlin	5/7/20 - Added Les to get an update of Lebanon's progress Initial - Add Watershed to the Lebanon Conservation Plan and send email describing the information he has captured through AER, Hebron and Lebanon	3/3/2020	5/7/202 - See Action description addition 5/7/20 - Phil Chester was all for including a recommendation that the Town conduct a Drainage Master Plan in the Lebanon 2020 Plan of Conservation and Development that would include Amston Lake	Initial closed 5/7/2020	Yes	Yes
116	Frank Hoisl	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	3/3/2020			Yes	Yes
117	Frank Hoisl	different committees will be issuing meeting minutes going forward so the Health committee can review	3/3/2020			Yes	Yes
118	Teri Nixon	Connecticut Federation of lakes membership, check what the benefits are for obtaining association membership	3/3/2020			Yes	Yes
120	Frank Hoisl	get other committees to post agendas and minutes on the website	5/7/2020			Yes	Yes
121	Kathy Feldman	Kathy Feldman previously shared information about pet waste with the committee and will ask the author if we can share with the community	5/7/2020			Yes	Yes
122	Frank Hoisl	Maintenance of emergency gate valve, contact Carl Wool to assist in the maintenance because they have performed this function before	5/7/2020			Yes	Yes
123	Frank Hoisl	Draft a note defining the requirements to be a committee member in good standing. We will use this to keep the committee active	5/7/2020			Yes	Yes
124	Frank Hoisl	Action to coordinate between Jeff and Web master on how to get historical documentation available to ALHC, BOD, General public as applicable (Old action 6)	5/7/2020			Yes	Yes