

GARDNER LAKE AUTHORITY
270 HARTFORD RD.
SALEM, CT 06420

Agenda for November 14, 2019
Salem Town Hall
7:00 p.m.

- 1) Member Roll Call
- 2) Minutes of October meeting: Review and Approve
- 3) Administration, Correspondence & Communication
- 4) Treasurer's Report from September 18, 2019 to October 17, 2019: Review and Approve
- 5) Committee Business
 - A) Law Enforcement Patrol
 - B) Boating
 - C) Water Quality Sampling
 - In-House reports (GLA & Ecosystem Consulting Service)
 - Outside reports (Health District, DEEP)
 - D) Review of Timeline
- 6) Old Business
- 7) New Business
 - A) Approval of 2019 Annual Report
 - B) Approval of 2020 Meeting Dates
 - C) Preparation and Approval of 2020 Annual Budget
- 8) Public Comment
- 9) Adjournment

GARDNER LAKE AUTHORITY

270 Hartford Road
Salem, CT 06240

Meeting Minutes of October 10, 2019
Montville Public Safety Building

The meeting was called to order at 7:00 p.m. by Kate Johnson, Acting Chair.

Attendees

Bozrah: Scott Soderberg
Montville: Bill Wrobel, Kate Johnson
Salem: Bob Neddo, Chris Rios

Excused: Henry Granger, Mike Magliano, Suzanne Bennett

Guests in attendance: State Representative Kathleen McCarty, State Representative Kevin Ryan, Bill Schultz, Sue Coffee, John Hummel, Gary Grenier and Val Hornat

Ecosystem Consulting Service, Inc. Presentation

Dr. Robert Kortmann, owner of Ecosystem Consulting Service, Inc. presented the 2019 Aquatic Macrophyte Survey & Limnological Monitoring Results. In early spring an alga bloom in the north end of the lake by the tributaries was reported. Early season samples were collected and sent to Ecosystem for analysis. The samples were identified as green alga, which is not an uncommon alga to see in lakes early in the season. The question was raised if this was perhaps due to the high precipitation levels during the drawdown that kept lake levels higher than normal, but no clear determination was made.

Dr. Kortmann's survey was conducted at the end of July/early August. He reported that fanwort became present in Gardner Lake around 2005-2006. It is still present but does not produce a nuisance condition, and has not hindered the native plants growing in the lake. There is a small presence of phragmites on the southeastern shoreline and fanwort fragments were found near Sucker Brook on the northwestern shoreline. Additionally by Sucker Brook, a native pondweed colony appeared.

The standard depth for dissolved oxygen readings and turbidity is six meters, and is taken at the deep hole at the northern side of the island. Sampling results indicated that the water between the surface and six meters is well mixed by the wind, and has maintained good clarity.

A pigment connected to cyanobacteria, phycocyanin, is present in the lake. This can be a normal occurrence, and is good to keep an eye on, but is not alarming.

Higher phosphorous and nitrogen levels were present at collection site #1 at the southeastern end of the lake. Another area to keep an eye on is collection site #5 at the north end of the lake. Wetland soils draining into the lake are depositing phosphorous, nitrogen and ammonia.

Dr. Kortmann recommends expanding the volunteer Client Co-op Monitoring Program to include phytoplankton grab samples, with 3-4 samples to be collected in a season, beginning in April. With climate variability, lakes in CT are losing phytoplankton levels. He also recommended that volunteer monitoring could start earlier, ideally 3-4 weeks after final ice is out in order to check the phosphorous count at that point. Dr. Kortmann will send a revised 2020 monitoring contract with amendments as discussed.

State Representative Kathleen McCarty spoke of state legislators' awareness of issues that occurred this past season, and noted that they are well informed and ready to be of support at the State level. Kathleen spoke

about the hazards of PFAS fire foam getting into waterbodies, and listened to citizen concerns about the threat of road salt getting into Gardner Lake and other local waters near CT roads.

Minutes

The minutes of the September 12, 2019 meeting were presented. Chris Rios made a motion to accept the September minutes; seconded by Bill Wrobel. The motion was unanimously accepted.

Attachments

- Treasurer's Report through 9/17/2019.
- Client Monitoring Field Data Sheet 9/13/2019.

Administration, Correspondence & Communication

- **Press Release:** Sent to Norwich Bulletin and New London Day announcing tonight's meeting and guest speaker Dr. Robert Kortmann. The Day requests a 2-week lead time for press releases. The press release was also sent to *Friends of Gardner Lake* Facebook page.
- **Client Monitoring Field Data Sheet:** Dated 9/13/2019.
- **2018-19 Drawdown Invoice:** Dated 9/18/2019, in the amount of \$2,094.91. Approval was tabled until a review of dates could be conducted.
- **Montville Yearly Reminders:** Dated 9/27/19, was received from Montville Town Clerk Katie Sandberg.
- **Email Letter to DEEP Regarding 2018-19 Drawdown:** Dated 10/10/19, to Mike Lambert, Bureau Chief of Outdoor Recreation; Jack Hine and Scott Dawley, both with DEEP Parks, inquiring about the levels of the dam gate openings last season.
- **CFL Fall Forum:** Scott and Kate attended the forum on Saturday, September 21 at the Connecticut Agricultural Experiment Station in New Haven. The forum focused on invasive plant controls in CT lakes.

Treasurer's Report

Scott Soderberg presented the October Treasurer's Report (August 17, 2019 to September 17, 2019). Bill Wrobel made a motion to approve the October Treasurer's Report; seconded by Chris Rios. The motion passed unanimously.

Committee Business

- Law Enforcement Patrol:** GLA will need the patrol stats from August 2 to Labor Day to include in the 2019 GLA Annual Report. Bill Wrobel spoke with Lt. Dave Radford about ongoing water patrol training.
- Boating:** Completed for the season.
- Water Quality Sampling:** Scott reported that there is one more Client Co-op sampling to be collected in October to complete the season's testing. Scott freezes collected samples and arranges to meet with an Ecosystem staff member in Groton to send samples to Dr. Kortmann – to save on shipping/transportation costs.

Old Business

- **Oxoboxo Dam Repair:** There is no new update aside from a permit application being currently under review.

New Business None.

Public Comment

Sue Coffee: Sue expressed concern about the large number of fishing tournaments and negligence of lake rules by anglers coming in via the boat launch.

Next Meeting Date

The next meeting will be held on Thursday, November 14, 2019 at the Salem Town Hall at 7:00 pm.

Adjournment

Scott Soderberg made a motion to adjourn at 9:04 p.m.; seconded by Chris Rios. The motion passed unanimously.

Respectfully submitted,

A handwritten signature in cursive script that reads "Kate Johnson". The signature is written in black ink on a light green rectangular background.

Kate Johnson,
Secretary

GARDNER LAKE AUTHORITY
 270 Hartford Road
 Salem, CT 06420
Serving the Towns of Bozrah, Montville and Salem
Budget for January 1, 2019 to December 31, 2019

Date	Description	Bank Transactions				Administration Expenses				Education Expenses		Public Health & Safety Expenses				Acct. Bal.
		Checking	Checking Bal.	Savings	Savings Bal.	Secy Fees	Equip/Printer	Publicity	Flyers	Forums	CFL	Police Patrol	Dam Control	Lake Studies	Misc.	
Budgeted Amount:						\$400.00	\$150.00	\$250.00	\$200.00	\$100.00	\$250.00	\$12,000.00	\$2,200.00	\$8,500.00	\$400.00	
1/1/19	Starting Balances	\$636.34	\$636.34	\$399.04	\$399.04											\$1,035.38
2/15/19	Savings interest		\$636.34	\$0.02	\$399.06											\$1,035.40
3/15/19	Savings interest		\$636.34	\$0.02	\$399.08											\$1,035.42
4/15/19	Savings interest		\$636.34	\$0.02	\$399.10											\$1,035.44
5/17/19	Savings interest		\$636.34	\$0.02	\$399.12											\$1,035.46
6/17/19	Savings interest		\$636.34	\$0.02	\$399.14											\$1,035.48
7/17/19	Reimb. K. Johnson-printer, sup.	-\$346.67	\$289.67		\$399.14	\$196.69	\$149.98									\$688.81
7/17/19	Salem payment		\$289.67	\$13,959.00	\$14,358.14											\$14,647.81
7/17/19	Trans from sav (dep on next stmt)		\$289.67	-\$1,000.00	\$13,358.14											\$13,647.81
7/16/19	Savings interest		\$289.67	\$0.13	\$13,358.27											\$13,647.94
7/17/19	Trans to checking	\$1,000.00	\$1,289.67		\$13,358.27											\$14,647.94
8/13/19	Transfer to checking	\$1,000.00	\$2,289.67	-\$1,000.00	\$12,358.27											\$14,647.94
8/16/19	UConn CESE	-\$291.95	\$1,997.72		\$12,358.27									\$291.95		\$14,355.99
8/16/19	Montville payment		\$1,997.72	\$6,980.00	\$19,338.27											\$21,335.99
8/16/19	Bozrah payment		\$1,997.72	\$2,326.00	\$21,664.27											\$23,661.99
8/16/19	Savings interest		\$1,997.72	\$0.59	\$21,664.86											\$23,662.58
9/17/19	Transfer to checking	\$5,000.00	\$6,997.72	-\$5,000.00	\$16,664.86											\$23,662.58
9/17/19	UConn CESE	-\$305.05	\$6,692.67		\$16,664.86									\$305.05		\$23,357.53
9/17/19	Ecosystem Consulting	-\$945.00	\$5,747.67		\$16,664.86									\$945.00		\$22,412.53
9/17/19	Savings interest		\$5,747.67	\$0.92	\$16,665.78											\$22,413.45
Account Balances						\$196.69	\$149.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,542.00	\$0.00	Spent to date
		Checking	Bal. to Date	Savings	Bal. to Date	\$203.31	\$0.02	\$250.00	\$200.00	\$100.00	\$250.00	\$12,000.00	\$2,200.00	\$6,958.00	\$400.00	Remaining
						Secy Fees	Equip/Printer	Publicity	Flyers	Forums	CFL	Police Patrol	Dam Control	Lake Studies	Misc.	Acct. Bal.

2019 Town Requests:

Bozrah:	at 10% =	\$2,326.00		\$24,450.00	2019 Budget
Montville:	at 30% =	\$6,980.00		-\$1,185.00	Less projected year end account balance overage.
Salem:	at 60% =	\$13,959.00		<u>\$23,265.00</u>	
				<u>\$23,265.00</u>	

CLIENT MONITORING FIELD DATA SHEET



**ECOSYSTEM CONSULTING
SERVICE, INC.**

Lake: Gardner Lake

Station: 10m

Date: 9/13/19

Time: 3:00 PM

Stage: One inch over spillway

Weather: Mostly sunny 67 deg. SE wind 8mph

Personnel: Scott Soderberg

Depth (m)	Temp (°C)	DO mg/L	DO %
0.5	22	8.17	93.5
1	21.8	8.08	92.2
2	21.6	7.42	86
3	21.5	8.01	91.1
4	21.5	8.18	92.4
5	21.5	7.93	90.4
6	21.4	7.76	87.9
7	21.4	7.76	87.1
8	21.2	7.18	81.3
9	21	7.31	81.8
10	19.6	1.96	24.8

Secchi Readings:			
	First	Second	Average
Depth:	4	4	4

Notes/Observations:

* Please Only enter data on this sheet.
The "RTRM Calculation Sheet" automatically updates by itself