



Waves

The Newsletter of Hickory Hills Landowners Inc.

www.hickoryhillslake.com

978-582-6365

hickoryhills@net1plus.com

Spring 2018

39 Wildwood Road Purchase A Tribute To All Residents

March 30, 2018, the purchase of 39 Wildwood Road by Hickory Hills was finalized thanks to the overwhelming support and donations received from our residents, Shareholders and neighbors. The Board of Directors held a few extra Board meetings this past March with the goal of ensuring all the information gathered was analyzed properly and our community was equipped with as many facts as could be gathered in the short time available.

While this may have taken some late hours, the Board would like to express their profound thanks to the many residents who expressed their deep appreciation for persevering with a positive message and offering the opportunity for individuals and businesses to make a difference supporting the conservation of our lake and protecting an important natural resource within our surrounding area. We recognize it was an incredible effort by everyone involved and thank you for the stewardship opportunity on your behalf.

Together, we raised over \$70K and are honored by the commitment and vitality of our lake community. You have shown through your voice, as well as your actions that you value and care about the conservation of our environment, our lake and their health.

All funds received were used directly for the purchase of this 17 acre parcel of undeveloped land. You have the Board of Directors commitment, voted at the April, 2018 Board meeting, to change its zoning for recreational use only and its upcoming dedication to our residents for generations to come.

We are proud and honored for the opportunity to serve you and hope to see you in the woods soon!

Board of Directors, HHLI

Help Wanted: Youth Program Director & Assistants

The Board of Directors would like to offer a youth program again this summer. Each year we find this program to be a huge success and a welcomed event.



We are looking for a Director and 2 assistants for the 2018 season. The program would run approximately six weeks, 3 hours per day, three days per week at the Island Road Beach offering sports, crafts and nature activities. If you are interested in

running the program or being one of the assistants to the Director please contact us and include your experience to the HHL office email at hickoryhills@net1plus.com.

Take a Hike!

Hiking season is here! Time to enjoy some natural scenery with a hike through Hickory Woods! So set aside

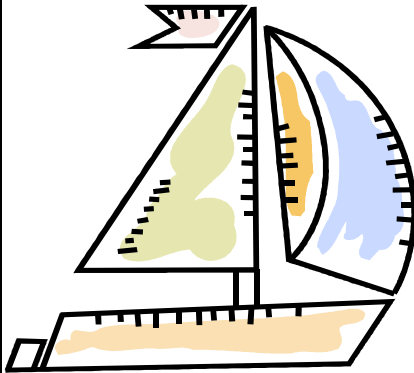


Saturday, May 12th with a rain date of May 13th and meet me at the trail head at 10 a.m. at our new trailhead at 39 Wildwood Road for a walking tour of our newest property there, Hickory Woods and the Town Forest which abuts it.

The walk is a beginner level hike, and will take us at a slow pace through the woods. We will cover approximately 3 miles, so bring your favorite walking stick and water, and we'll be off! Text or email to confirm or to make arrangements for other dates! Name and **Contact information removed for web viewing.**



Spring 2018



**Hickory Hills 2018
Annual Boat Parade
July 7th, Saturday at Noon
From Island Road Beach**



2018 Annual Bills

The 2018 HHL annual license fee statements were mailed on April 1st and are due by May 1st. Included is this seasons Boat Launch Schedule (also found on our website).

Don't forget to update your email address and phone numbers. We only send 1 or 2 emails a month in the summer (rarely any off-summer), and we keep all contact information private.

We also ask you to make any changes on the provided boat form for boat purchases and edits to existing boats.

To obtain a **FREE** car sticker which enables you to park in the resident-only beach lots, **please include a copy of your current vehicle registration.** This is one of the few ways we have to insure only residents are using our lake facilities. Even if you had a car sticker before, we cannot issue stickers without first seeing a copy of your current vehicle registration.

Landlords please ensure the office has current names & phone numbers for your tenants and register any boats they have; provide them with IDs; and give a copy of the license you receive from the office. We appreciate your help & cooperation in keeping our records up to date.

Floating Logs

We'd like to thank everyone who removes floating logs found around the lake!

We are designating an area to store future logs on the land **between the Boat COVE and before the start of the Island Rd Beach** (to the right of the COVE if you're looking at the beach from the water).

Please refrain from bringing floating logs near the temporary boat ramp (closest to Park St Ter) where the DASH & Security boats dock. It has become dangerous jumping off the boats with DASH equipment as well as a hazard parking the boats.

If you're interested in helping with this effort of removal, please contact the office at hickoryhills@net1plus.com or 582-0145.



Annual Town Meeting and Elections



Town Meeting will be held Saturday, May 5, 2018 at 9am at the Middle/High School Auditorium. The Annual Town Elections will be held Saturday, May 19, 2018 at 7am - 5pm at T.C. Passios Elementary School. Be sure to get out and cast your vote on all of

the important issues for our lake and dam [such as Article 21 on the Annual Town Meeting Warrant.](#) [See page 10 & 11 for more information.](#)

Floating Dock with Ladder FOR SALE: \$150.00

Proceeds are being donated directly to Fanwort removal efforts by your neighbors the Consalvo's!

If interested, contact them at (978) 870-8621





Stay Clear Of Dive Flags

The DASH Team Divers are a great group of people. Some not only volunteer scuba dive to remove the invasive weed Fanwort from our water, they also scuba survey the deeper areas for us marking plants along the way.
If you see a **Red & White Dive Flag** floating in the water, **STAY CLEAR PLEASE.**

This indicates a diver is under water close by.
To join in on the fun and become one of our DASH or SURVEY Divers, send an email to fanwort@hickoryhillslake.com today.

Make It Wright — Handyman

I have over 10 years experience as a Handyman specializing in Small Jobs around the home.

As we live here on Hickory Hills, I'm readily available to handle your repairs such as:

Winterizing, Siding, Calking, Trim, Deck Repair, Door replacement, Tile repair, Cabinet & shelving, Locks, Painting, Sheds, Sheet rock repair and more...

FREE ESTIMATES — 10% OFF for Hickory Hills residents and seniors.

Chuck Wright — 978 501-1182

chuckwr08@comcast.net — License #182405

LANDFILL OPEN FOR YARD DEBRIS

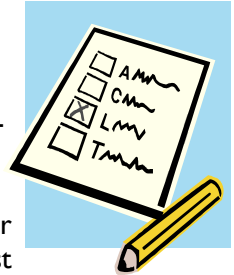
Lunenburg's Landfill off Young's Road will be open Saturday's until **May 19th 8am - 4pm** (travel permitted only on TOWN EASEMENT).

The accepted materials are grass clippings, bark mulch, wood chips, leaves, brush-diameter not to exceed three inches and some shrubbery & plantings, all containers must be removed.

No household trash, garbage or rubbish of any kind can remain at the landfill.



Board of Directors Nominations



The Nominating Committee is accepting names of people interested in serving on the Board of Directors during 2018-2019. Any shareholder who would like to be nominated must notify the Nominating Committee in writing through our office via email at hickoryhills@net1plus.com or by mail to P. O. Box 298 by May 15. Please include a short bio describing a bit about yourself and experience and why you'd like to be a member of the Board of Directors. The names and biographical data on selected nominees will be mailed or emailed to shareholders in mid July.

Island Road Office Opens May 2nd



The office on Island Road will reopen May 2nd on Monday's, Wednesday's & Thursday's from 9am - 11am. The drop box located next to the door is there for your convenience and checked often each week. Feel free to drop in envelopes anytime to pay your bills.

Stop by the Island Road Office to purchase bumper stickers, HHL t-shirts & sweatshirts, Boat Stickers & ID Cards.

To contact the Office, feel free to send an email to hickoryhills@net1plus.com or call 978 582-6365.

Annual Shareholder Meeting Reminder

The Hickory Hills Landowners Annual Shareholder meeting is scheduled for Saturday, September 15, 2018. In order to participate in the meeting and the management of Hickory Hills Landowners Inc., you must be a shareholder. Any resident interested in purchasing a share can send a one time fee of \$240.00 (checks made out to Hickory Hills Landowners, Inc.). Shareholders receive a 50% discount for IDs, boat stickers and First Right of Refusal release fees. If you have additional questions regarding becoming a shareholder please email the office at hickoryhills@net1plus.com or call 978 582-6365.





Looking To Help Our Lake?

Come Join the DASH or Survey Teams!



The **invasive weed Fanwort**, continues to be found in our lake. Dedicated volunteers continue visual surveys regularly marking the plant with Orange H-shaped plastic markers for future removal by the Diver Assisted Suction Harvester (DASH) above. Our volunteer DASH teams will be focusing on shorelines and coves this season.



We hired AB Aquatics, Inc. to remove 4,865 gallons of Fanwort in 2 weeks last season! Their divers perform 6 hours of active suction harvesting per day and focused on newly discovered large patches from our deep water areas found by using Fish Finders. Pictured above are bags of Fanwort harvested from one day's work.



We are VERY excited to have AB Aquatics, Inc. come back this season to harvest Fanwort for up to 6 more weeks!



Remember, If We Don't Find It, We Can't Remove It

Fanwort Surveyors travel in any kind of boat or by snorkeling and mark plants with Orange H-shaped markers. Yellow markers indicate it's been removed and to please verify.

If a team has 4 members, the Captain's ask a team member to survey once a month so each zone is covered weekly. **It just takes once a month for you to help save our lake :)**

To sign up on either the DASH or Survey teams, please contact Donna Fortune or Stacey Manseau (DASH Co-Chairs) or Nicole Waters (Survey Chair) by emailing fanwort@hickoryhillslake.com or contact the office at hickoryhills@net1plus.com or 978-582-6365.



Interested in Fanwort Surveying? Here's how it works

We're a TEAM!

TEAM GOAL – Each team surveys their assigned zone at least once per week (preferably on a sunny, clear, calm day). Mornings or late afternoon seem to work best to view it. Wearing polarized glasses reduces glare, making plants easier to see.

TEAM CAPTAINS - Answer questions and create a team schedule.

If you haven't received your survey schedule, email your captain or fanwort@hickoryhillslake.com

MARKERS – H-shaped orange markers mark each group of plant(s) in the lake. Release the weight into the water. String unraveling stops when weight hits the lake bottom. The DASH harvests plants & replaces Orange markers with Yellow. Your team then verifies Fanwort is removed.

Return Yellow markers to any Marker Bucket - DASH needs them to mark harvested locations!



MARKER PLACEMENT– 5' in front of plant: shore ---> plant ---> marker

MARKER SUPPLIES – Milk crates are located on docks or beaches around the lake and stocked with Orange Markers for Surveyor's to mark Fanwort plants. The location of crates is indicated by a RED STAR on the map.



REPORT FANWORT LOCATION – If you think you found Fanwort, drop a orange marker there and send an email to: fanwort@hickoryhillslake.com. Include the Zone # and Property # or Zone # and Island # it's closest to.

Report Like This → Zone #, Property/Island #, short description (small/large, 10' off shore, etc), # of Plants, # of Markers

GOOGLE MAP GPS LOCATION – Sending GPS Location of Fanwort with your smart phone. This is Optional



1) OPEN the GOOGLE MAPS APP

2) Press and hold the **BLUE DOT** that's marking your location. You'll notice a "DROPPED PIN" message now displays.

3) Select the words "Dropped Pin" that just appeared below the map

4 & 5) Select the word "SHARE", then select your email account.

6) The pre-populated email just created, includes a link to your GPS location, so just add the Zone #, Property # and how many plants it's marking to the email, and send it to fanwort@hickoryhillslake.com to report your sighting.

GPS location will be helpful to survey again there at a later time or early next season by divers & DASH teams

Additional Survey Tips:

1) It's helpful to have a marker ready to toss close to the plant as you spot it. This helps you find it again as you float away a little and then you're able to slowly paddle back and adjust the marker at the proper spot.

2) The H-shaped markers sometimes need one manual flip after it's reached the bottom in order to sit flat on top of the water.

FANWORT FACTS:

- July 22, 2011 two board members discovered hundreds of plants in our Boat Cove – survey's began & on September 11, 2011, about 5 plants in Queen's Cove were found next
- As of 2017, every part of our lake has seen Fanwort
- No known lake has ever eradicated Fanwort
- Our mission is to keep Fanwort at bay (maintenance mode)
- 5 Ways to reduce Fanwort are DASH, Hand Pulling, Benthic Barriers, Drawdown and Chemicals
- Fanwort is not the only invasive weed found in other lakes
- Boat trailers are the highest risk of invasive weed entry
- Fanwort spreads by fragmentation – breaking it, i.e. motors, fishing lures, turbidity, auto-fragments on it's own in the Fall

FANWORT





Spring 2018

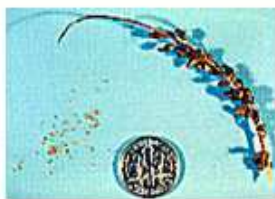
PURPLE LOOSESTRIFE

Purple Loosestrife is an invasive weed found at the shorelines here at Hickory Hills Lake. It can grow between 2 and 7 feet high. Purple loosestrife invades marshes and lakeshores, replacing wetland plants. The plant can form dense, impenetrable stands which are unsuitable as cover, food, or nesting sites for a wide range of native wetland animals. Once in aquatic systems, seeds are easily spread by moving water and wetland animals.

IDENTIFYING PURPLE LOOSESTRIFE



Flower: Individual flowers have five or six pink-purple petals surrounding small, yellow centers. Each flower spike is made up of many individual flowers.



Seed Capsule: As flowers begin to drop off, capsules containing many tiny seeds appear in their place. Depending on where you live, plants may go to seed as early as late July.

Seed: Each mature plant can produce up to 2.7 million seeds annually. As tiny as grains of sand, seeds are easily spread by water, wind, wildlife and humans. Germination can occur the following season, but seeds may lay dormant for several years before sprouting.



Leaves: Leaves are downy, with smooth edges. They are usually arranged opposite each other in pairs which alternate down the stalk at 90 degree angles, however, they may appear in groups of three.

Stalks: Stalks are square, five or six-sided, woody, as tall as 2 meters (over 6 feet) with several stalks on mature plants.



Rootstock: On mature plants, rootstocks are extensive and can send out up to 30 to 50 shoots, creating a dense web which chokes out other plant life.

REMOVING PURPLE LOOSESTRIFE

It easiest to remove plants with larger roots by easing the root out with a garden fork. Remove as much of the root system as possible, because broken roots may sprout new plants.

Once flower petals start to drop from the bottom of the spike, the plant begins to produce seed. Remove all of the flowering spikes by bending them over a plastic bag and cutting them off in the bag. Cutting of stems or pulling can now begin without fear of spreading the tiny seeds.

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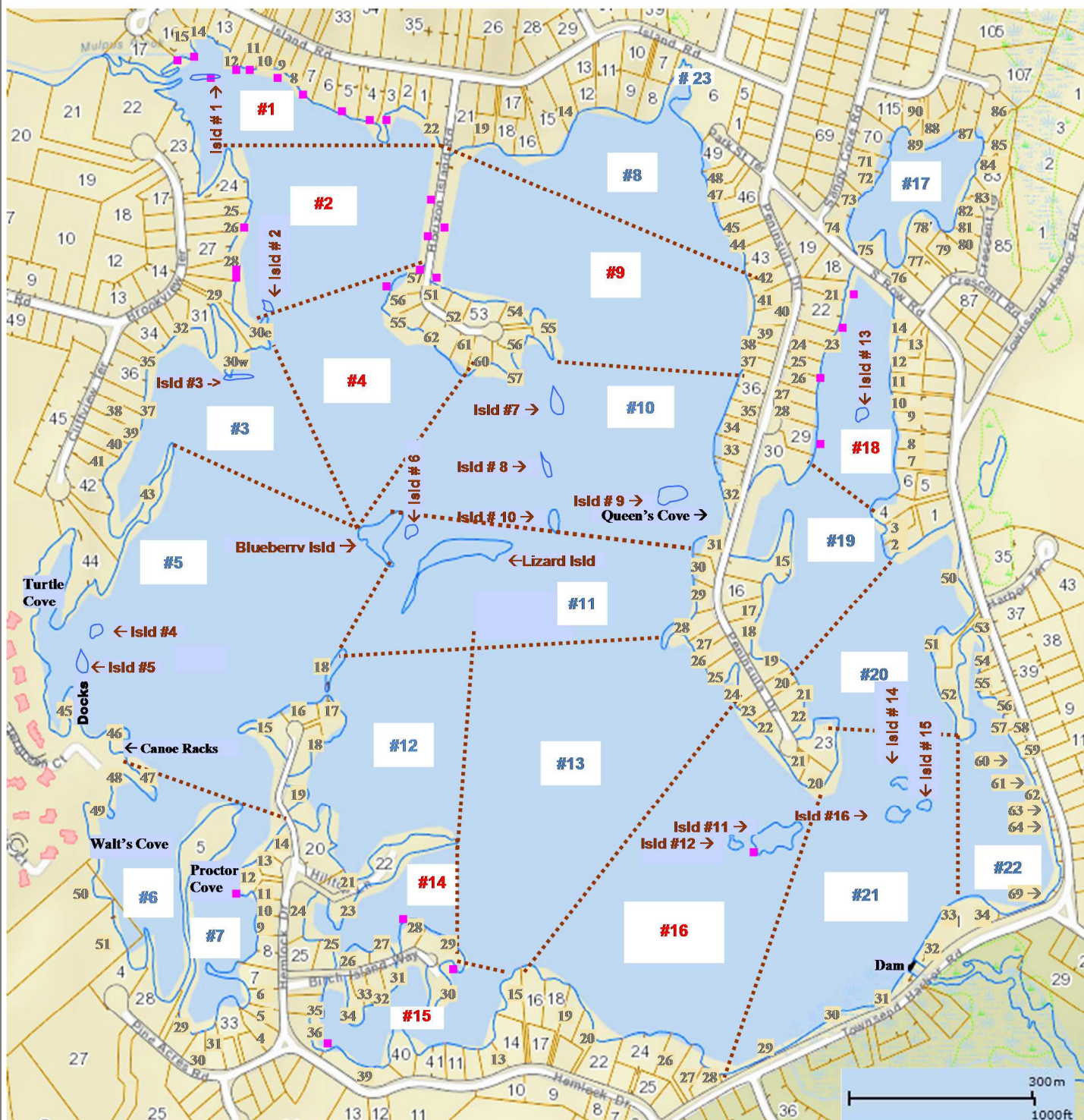
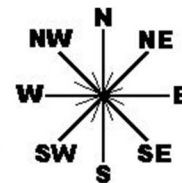
PURPLE LOOSESTRIFE ZONE MAP

NOTE: SOME LOCATIONS ARE ESTIMATES

PURPLE LOOSESTRIFE IS REMOVED FROM RED ZONES BELOW EACH YEAR

Please Consider Helping by Removing This Plant From Our Shorelines

PURPLE LOOSESTRIFE IS MARKED BELOW BY A PURPLE SQUARE



Last updated 4/30/18



Spring 2018

Safety Reminders



Please help us keep our Islands safe from fire and follow our **no fires on islands** policy. Another important safety policy is **no towing from boats** -exception is bringing a broken boat safely home. **Right of Way: Canoes, kayaks, stand up paddle boards and sailboats ALWAYS have the right of way on the lake.** Motorboats must maintain a distance to prevent wash from motors splashing or causing excessive rocking of other boats are state laws. A link to the Massachusetts Boater Safety Handbook is available from our website.

Beach Clean Up Day



Our annual Beach Clean up day is on for **Saturday, May 19th** at 10:00 a.m.. The Land & Resource Committee is looking for volunteers to help clean up the HHL beaches. Meet your neighbors at any of the three beaches with your rakes. Anyone with a truck who can come & take some yard waste to the dump would be greatly appreciated. If people would like to bring baked goods, that would be great! Remember, our beaches are only as beautiful as we keep them. If you happen to be in the area on May 19, join your neighbors for our Spring cleanup. Hope to see you there!

Got Weeds?

The Lake Management Group of Hickory Hills Lake is excited to be able to offer owners of lakefront property a simple means to allow them to use their waterfront **free of the nuisance of lake-bottom weeds.**

The Lake Management Group (LMG) has been installing **benthic barriers** to help control lake-bottom weeds, and this will be the third year that we are offering to purchase materials at cost for any lakefront landowner who would like to deploy them on their own waterfront (materials paid by landowner). We ask that any interested party donate some volunteer time for the activities of the LMG.



The benthic barriers are composed of biodegradable burlap sheeting and are held in place on the bottom with burlap sandbags, also biodegradable. The barrier prevents light from getting to the weeds, killing them in about 10 weeks. We suggest that the barriers be left in place to decompose, but they can be removed if you desire.

We have a limited amount of materials on hand and may have to place orders based on demand. Pricing is based on actual costs with no markup. The barriers are most effective when placed early in the season before weeds get too large.

Pricing (2018) – based on cost plus shipping and handling

Burlap sheeting and sandbags:

10' x 30' with 21 sandbags, one buoy: \$ 65

Waterfront 30' x 30', incl 3 strips, 50 sandbags: \$160

Actual costs may vary slightly due to inflation and actual shipping expenses. Sale is contingent on approval of application by Hickory Hills Board. *We will provide instruction but installation is by homeowner.*

IF YOU MIGHT BE INTERESTED, EMAIL wmg@hickoryhillslake.com

If you are interested in more than a 30' x 30' benthic barrier or have installed one previously and want to expand your coverage, please put in your request and the Hickory Hills Board will consider your particular situation.



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There is no poop fairy — Please clean up after your dog

While most dog owners have never heard of the mythical figure, they said they wished it was real.

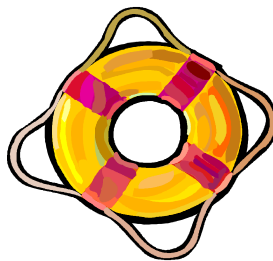


Not only is dog feces unpleasant to look at and smell, it can also make people and other dogs sick. Dog waste contains harmful bacteria and parasites such as E. coli, giardia and salmonella that pets or people can pick up if they come in contact with it.

Bacteria from dog waste can also contaminate groundwater and bodies of water such as creeks, rivers and lakes.

Dog waste also does not biodegrade as quickly as other animal waste. Because of the type of food that dogs eat, dog waste can take up to a year to decompose. The more hard waste left behind, the more it accumulates.

Boating Basics Course



"Boat Massachusetts" is offered to the public at no charge. The primary purpose of the course is to foster safe boat operation through increased awareness of required safety equipment, safe boating practices and legal responsibilities.

Youth 12 to 15 who successfully complete the course, will be issued a Safety Certificate allowing them to operate a boat without adult supervision, as required by state law. All graduates will be issued a course completion diploma and a Safety Certificate. Taking the class as a family is encouraged and has proven to be highly rewarding.

To find all the course schedules go to the Mass Environmental Police website at <https://www.mass.gov/service-details/boating-safety-course-schedule> or call 508-759-0002.

SEVEN GABLES REALTY

DEBBIE CONSALVO

DAN CONSALVO

102 Horizon Island Rd.
Lunenburg, MA

Debbie 978-870-8621
deb7gablesrealty@gmail.com

Now is a great time if you are thinking about Selling!

Call today to see how much MORE value your home gets from living on this beautiful lake.

Living here ourselves gives YOU the advantage!

We are offering HH residents who sell their home through us this year a

½ % discount on our Commission price!!!



Dan 978-235-3548
dan7gablesrealty@gmail.com

Swimming Float for sale \$150

12x12', needs paint but otherwise solid, has barrels. It's in the water, just tow it away.

Contact Pete 978-852-2701





Dam Overtopping Project Update - Dam Committee

Most of our Hickory Hills neighbors are aware of the "Dam Project" we have been working on for the past few years. I would like to give you an update on the overall progress of the project.

Background

Just to refresh everyone's memory, the Office of Dam Safety changed the requirements of large dams (which HHL dam is) after the near failure of the Mill River dam in Taunton in 2005. Before 2005, the requirement for large dams was to withstand a 500 year flood which in our watershed is the equivalent of 11.7 inches of rain in 24 hours. Our dam meets that requirement because all the water will flow through the main and auxiliary spillway, (i.e. the concrete portion of the dam) down the Mulpus Brook.

Sometime after the 2005 event, the requirement was changed to a 1/2 Probable Maximum Flood (1/2 PMF). For our watershed that equates to 15.5 inches of rain in 24 hours. For our Dam, the models suggest this amount of water will fill the concrete portion of the dam and overtop the earthen portion of the dam by 3 inches. If it were to do that, the state is concerned the earthen embankment could erode away and the dam could open sending billions of gallons of water downstream.

(I once thought this amount of rain was improbable in our lifetime but several years ago, parts of western MA received over 18 inches of rain in just 24 hours and just last year, parts of Texas received over 50 inches of rain in 48 hours, so unfortunately, these large storms are becoming more frequent.)

The Solution

The Dam Committee (J. Fortune, E. Manseau, J. Bingham, S. Douglas, P. Bertram, J. Beale and T. Bertram) along with the dam engineering experts, Tighe and Bond (T&B), have been working on a solution to meet the 1/2 PMF requirement. Since the main concern is erosion of the embankment, T&B have designed a solution using GeoWeb overtopping protection. To apply GeoWeb to our dam, the surface of the embankment will be scrapped down 4 inches. The webbing is rolled out and then stretched into place and anchored down over the main body of the embankment. It will be cemented into place where it meets a solid surface (road, telephone pole, gatepost etc.). Finally, the GeoWeb is backfilled with crushed stone on top and loam on the sides where new grass will be planted. The result will be an erosion proof, green lawn along the entire length of the earthen portion of the dam.

Progress So Far

To begin such a project, Hickory Hills Landowners Inc. (HHLI) must have the design approved by 1) Office of Dam Safety, 2) Department of Environmental Protection (DEP), 3) Lunenburg Conservation Commission (LCC), and 4) Lunenburg Selectmen and 5) Town vote. To get approval, we created a 400+ page binder with forms, designs, Hydrology studies, wetlands studies etc. to submit to each of the groups above. I'm happy to say our hard work has paid off and we have approval from the first three groups.

The Selectmen are aware and in favor of HHLI meeting the state requirements, so we believe with the Office of Dam Safety, DEP and LCC approvals, they will also approve. The final hurdle will be town vote. Since our dam is adjacent to Townsend Harbor Road, in some areas the legal easement from the road

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falls on the dam. Since the overtopping needs to connect to the road surface in order to be fully effective, work will need to be done with-in this easement. For any permanent changes to be made with-in the easement (in this case adding the overtopping protection), the town must approve it at Town Meeting. A positive vote will be required in order for us to proceed.

Please attend the May 5, 2018 Lunenburg town meeting and support this article.

What's Next?

With your support on May 5th, we believe the project will be approved by the town. Once it has, the Dam Committee will send out Requests for Proposal (RFP) to state qualified vendors to do the work. This RFP process will take us into the summer of 2018. Our goal is to have a vendor selected by the end of summer and complete the project in the fall of 2018. The project is expected to take up to 4 weeks.

TYPICAL APPLICATIONS:

- Cut or fill embankment slopes
- Containment dikes and levees
- Shoreline revetments
- Geomembrane protection
- Landfill lining, covers, and drainage
- Storm water basins
- Waste water lagoons
- Dam faces and spillways
- Abutment protection

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