

The Reservoir Review

A Newsletter About Life on Neponset Reservoir

JELLYFISH FILTRATION SYSTEM COMPLETED AT EDWARDS BOAT LAUNCH

OVER THE SUMMER, those of you traveling Edwards Road by the new Boat Launch may have occasionally found only one lane open. That was due to the installation of a Jellyfish filtration system. The intent of a Jellyfish filter is to remove high levels of stormwater pollutants including oil, trash, debris, and a high percentage of particulate-bound pollutants including phosphorus, nitrogen, metals and hydrocarbons.



A Jellyfish filter works when stormwater enters the Jellyfish through the inlet pipe and traps floating pollutants behind an access wall and below the cartridge deck. Water is then pushed down below the deck where a “separation skirt” directs oil, trash and debris outside the filtration zone, allowing sand-sized particles to settle in the sump. The water is then directed to the filtration zone and up through the top of the cartridge into a backwash pool. Once the water has filled the backwash pool, clean water overflows and exits via an outlet pipe. What does this mean for our lake? According to the MA Department of Environmental Protection (DEP), phosphorus in itself is an essential nutrient to aquatic plants at low levels, however a high percentage of this mineral is problematic.

Even if you live far from a lake, excess phosphorus, caused by run-off from lawns and septic systems, can cause excess algae. Not only is this hazardous to the lake’s ecosystems, but these algae blooms can be lethal to other aquatic organisms and cause fish kills. The installation of this system will help in keeping our resource healthy.

This project was a joint partnership between NRRC, the Town of Foxborough and the Foxborough Conservation Commission. Thanks go out to all parties for their dedication and support as we move forward toward the common goal of making our resource healthier and more vibrant.

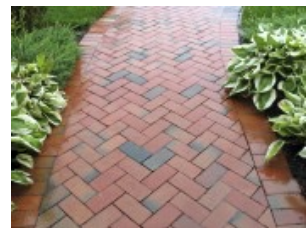
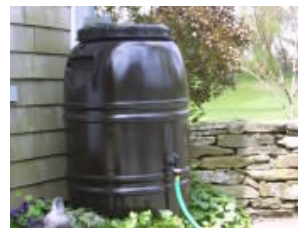


HOW TO REDUCE STORMWATER RUN-OFF

REGARDLESS OF WHERE YOU LIVE, stormwater runoff can play a role in washing pollutants into storm drains, local streams, rivers, ponds and oceans.

Follow these simple steps to help reduce polluted stormwater runoff around your home and business:

1. Always pick up after your dog and throw dog waste into a trash can. Dog waste contains bacteria and parasites that cause disease and pollutes our waters.
2. Build a rain garden to treat runoff.
3. Redirect downspouts so that water flows into grass or shrubs instead of onto a driveway or sidewalk.
4. Place a rain barrel under your downspout to easily capture rain for use around your property.
5. Avoid spraying driveways, roads or sidewalks when irrigating.
6. Use lawn chemicals and ice melt sparingly, use organic whenever possible, and always follow manufacturer's directions.
7. Pick up lawn clippings/leaf litter, especially if near storm drains, and bag (for town pickup) or compost.
8. Use pervious hardscape (like bricks or pavers) on patios, driveways, etc., to allow water to seep into the ground.
9. Install a dry well in your yard to capture excess runoff.
10. Dispose of household chemicals properly. Check with your local DPW if you're not sure about proper disposal.
11. Wash your vehicle near the lawn so that the wash water runoff seeps into the ground and not down the driveway into a storm drain.
12. Drain swimming pools/hot tub water into your lawn. Never down a storm drain.



*Thanks to the Neponset River Watershed Association for this article.
For more on stormwater runoff visit: www.neponset.org.*



WANT TO OWN YOUR OWN ISLAND?

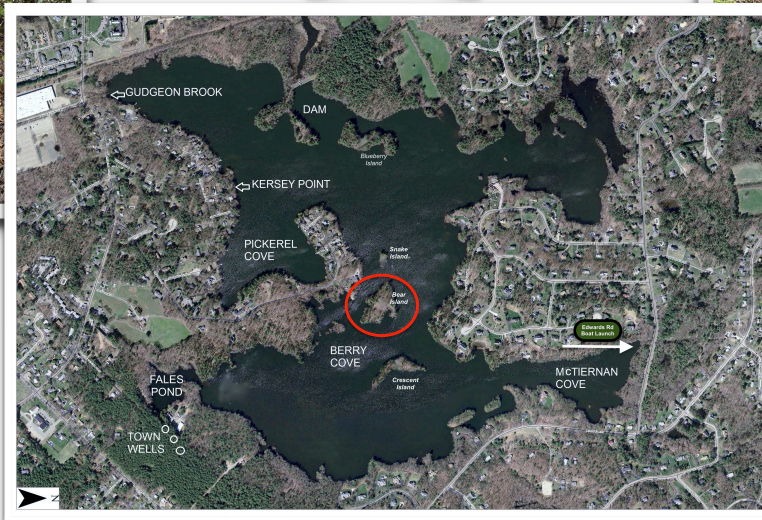
HOW OFTEN have you wanted to say to someone, *"How about we have a camping and fishing weekend on my island?"* Well, you can have that opportunity because BEAR ISLAND on NEPONSET RESERVOIR is FOR SALE!

The asking price for the island is **\$90,000**. The island is 2.5 acres with access by kayak, boat or jet ski. While it is non-buildable, there is a structure on it which needs lots of work. The ideas are endless with this little gem.

For more information call, text or email:

Laurie Murphy, RE/MAX Executive Realty

Email: lm2420@yahoo.com or Cell: 781-771-0041



SPOTLIGHT ON...

The Spotted Turtle (*Clemmys guttata*)



Spotted Turtles are relatively small, reaching only five inches in length. Their name comes from the distinctive bright yellow spots that dot their otherwise black carapace (the top of their shell). The pattern and number of spots is unique to each turtle and can be used to identify individuals. Spotted Turtles occupy a wide range of shallow, seasonal, and temporary wetlands in Massachusetts, including vernal pools, shrub swamps, cranberry bogs, emergent wetlands, and ditches.

Spotted Turtles can be hard to find; their cryptic behavior and preference for ephemeral and seasonal wetlands means that these turtles are encountered much less often than the widespread and common Painted Turtle and Snapping Turtle. Although widespread in the eastern United States, it's an uncommon—but not rare—species in Massachusetts.

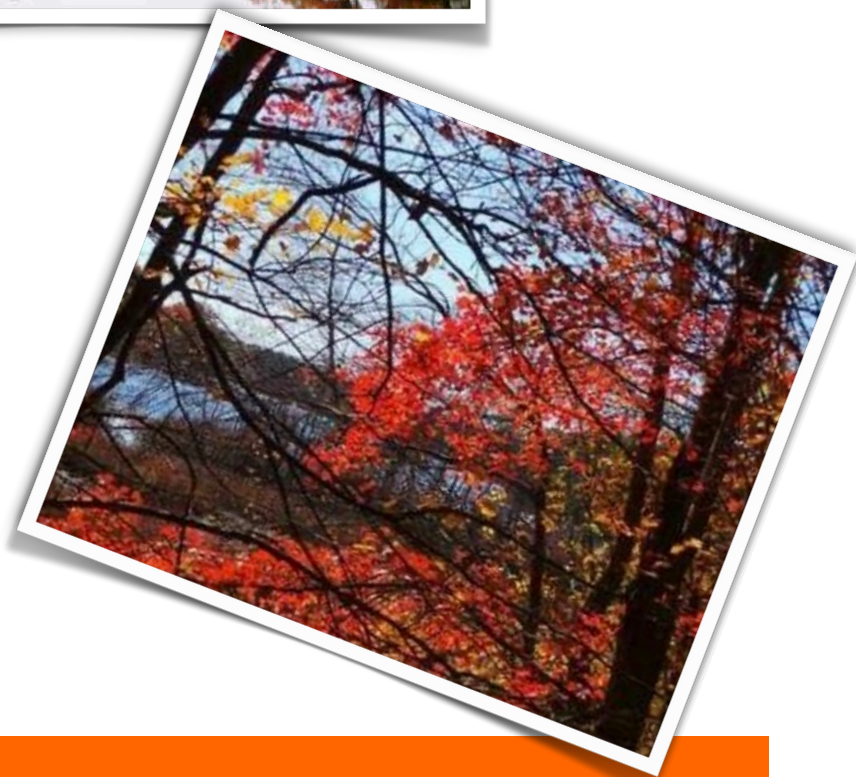
Once listed as a Species of Special Concern under the Massachusetts Endangered Species Act, Spotted Turtles were removed from the list in 2006 due to a widespread distribution in the state and the existence of relatively stable populations in southeastern Massachusetts.

Thanks to mass.gov for this information.

Please help us ensure that Foxborough's rare animals will remain in Town for future generations to enjoy. If you find one of these turtles, please use your cell phone to take a few photos and immediately call Conservation Manager Jane Sears Pierce (508-282-6960) to let her know about your discovery. She will then document your find, which will help to protect its habitat.



FALL COMES TO THE RESERVOIR...



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Please share this publication by forwarding to friends and neighbors
and suggest they sign up for the quarterly publication by going to
our website at www.neponsetreservoir.com and click on the SIGN UP tab.*

