

# Lake Life

For Members of the Baboosic Lake Association

**July 2009 Edition**

Visit your web site at: <http://www.BaboosicLake.com>

## **ATTENTION AMHERST RESIDENTS OF BABOOSIC LAKE**

Special town meeting on July 14, 2009, 7:00PM at the Souhegan High School. On the ballot is a warrant article for funding of phase four of the Baboosic Lake Community Septic. (See warrant below) You must be a registered Amherst voter to vote on this warrant. You can register at the Amherst Town Hall by 7/7/09. The BLA Board strongly urges you to attend and vote in favor of this warrant article. Your yes vote will allow more homes on and near the lake to connect to the community septic system. This is very important to the continuing improvement of the health of our lake.

### **Town of Amherst JULY 14, 2009 - SPECIAL TOWN MEETING WARRANT ARTICLES**

#### **Article 1: Phase IV Baboosic Lake Community Septic**

To see if the Town will vote to raise and appropriate the sum of \$425,000 (gross budget) for the purpose of designing, purchasing, installing equipment and constructing Phase IV of the Baboosic Lake Community Septic system, and to authorize the issuance of not more than \$425,000 of bonds or notes in accordance with the provisions of the Municipal Finance Act (RSA 33) and, further, to authorize the Selectmen to issue and negotiate such bonds or notes and to determine the conditions and the rate of interest thereon, and to further authorize the Selectmen to offset a portion of said appropriation by applying for, contracting for and expending American Recovery and Reinvestment Act of 2009, (ARRA), funds in the amount not more than \$212,500, with the balance to be raised by the sale of said bonds, and to further authorize the Selectmen to contract for and expend any additional aid or grants that may be available for this project and to further authorize interest earned on this bond to be utilized to pay costs associated with this project, it being further understood that no funds will be raised through taxation and any debt service or other costs associated with this project will be assessed to users of the system in accordance with RSA 149:17, or to take any other action relative thereto.

*This requires a (2/3rd) supermajority (secret yes/no ballot vote) to pass*

## **What to Expect for Lake Quality Trends for the 2009 Season**

As we have discussed in past years, lake quality trends are closely linked to seasonal weather patterns. Take for example the 2008 season. The month of May was dry and cold which fostered a slow melt and low intensity runoff events of the record snowfall. Typically, water bodies with larger watersheds receive the greatest impact from spring rains. Our lakes and shore landowners were quite lucky that the large snow pack melted rather slowly this past spring. June was warmer and wetter, which likely moved, suspended solids, phosphorus and bacteria from the watershed and eventually influenced all New Hampshire lakes during the early summer months. If you pick up your handy VLAP reports, you may likely observe that June chlorophyll may be at its maximum summer level while clarity may be at its lowest level. DES posted another record number of cyanobacteria advisories (14 advisories) during the 2008 season. The increased advisories were likely the result of above average rainfall resulting in increased phosphorus loading from the watershed to the lake and warmer temperatures in August and September. Climate change is certainly the most discussed issue with environmentalists throughout the world. Many limnologists are looking into the impacts of climate change to the world's water bodies. Increased patterns of violent weather that includes high intensity wet fall events and warmer temperatures are all attributed to climate change. Continued high intensity wet fall combined with warmer water will likely result in future increases in cyanobacteria cell production and seasonal duration of surface scums. New Hampshire lakes are clearer than most states, a result of their ability to recover once the ice forms and snow covers the surface. With little sunlight penetration, chlorophyll production is limited. Most of the cyanobacteria, phytoplankton and aquatic macrophytes are forced to limit cell production. Some cyanobacteria can produce akinetes that settle to the bottom and begin cell production once conditions are favorable for growth. Although still a little too early to predict wet fall for the spring, the state has a moderate snow pack from a second season of above average snowfall. If New Hampshire continues the current wet fall patterns, as has been the case during the winter, expect increased runoff, turbidity and phosphorus to our lakes this spring. Expect ice-out on our larger lakes to occur in mid to late April. The combination of sunlight and increased phosphorus will result in a significant spring diatom increase during May and June, high productivity and lower transparency. The increased snowmelt will likely lead to higher water levels this spring decreasing exposure to the near shore littoral zone. Aquatic plant growth will likely begin a little later this season as decreased sunlight penetration and increased turbidity will discourage plant growth, especially exotic plants like milfoil. The increased littoral zone area will likely result in decreased spawning zone competition among the early spawning fish species. As sunlight warms the waters, spawning fish populations may experience a less stressful spawning season resulting in a decreased rate of fish mortality. Dominant populations of green and golden brown algae may occur in many lakes by July. If we have a sunny spring, the appearance of filamentous green algae may become prevalent in early July. Increased amounts of phosphorus loading this spring will likely result in more lakes with cyanobacteria and an increased duration of blooms. I anticipate an earlier appearance of cyanobacteria this season especially in those lakes that have chronic problems. Look for the appearance of cyanobacteria in early July this year. I strongly recommend that lake associations monitor the tributaries and lake for conductivity, turbidity samples for the toxin microcystin. Microcystin is a common toxin produced by many species of cyanobacteria. In 2008, samples from eight of the 26 lakes with beach advisories and/or lake warnings contained toxin concentrations greater than 2.5 parts per billion (ppb). The World Health Organization suggests drinking water should contain toxin

levels of less than 1 ppb and recreational water should contain toxin levels of less than 20 ppb. DES cannot report results greater than 2.5 ppb due to testing limitations; however future tests may be more specific for higher ranges of toxin. Currently, the only way to prevent adverse effects from cyanobacteria toxins is to avoid contact with contaminated water.

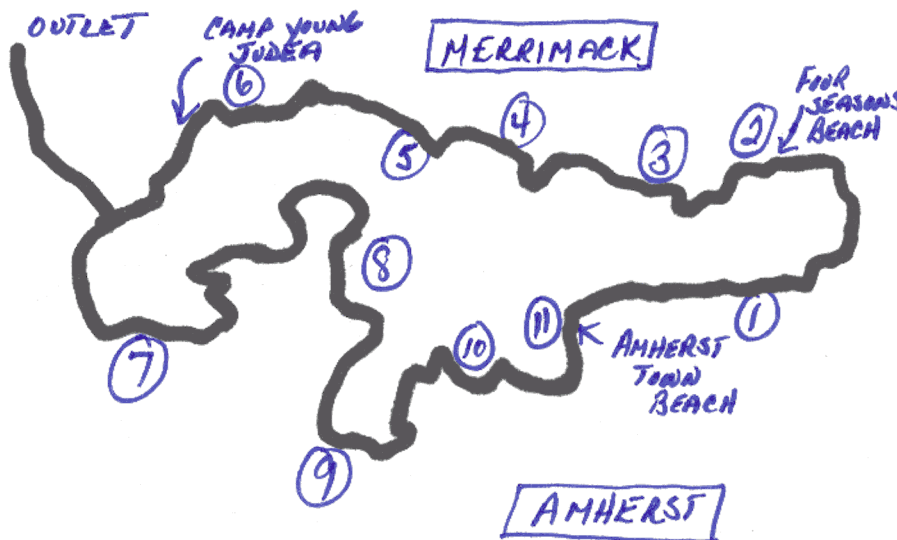
If you suspect a cyanobacteria bloom is occurring at your lake or pond please call DES immediately at (603) 271-3414 or (603) 271-0698.

The above article was on the DES website

**Please note**

There are no results for e-coli testing in this newsletter due to the weeklong rain.

**E-coli Water Testing**



Location	Map Code	E-coli count
Hillside	1	
4 Seasons	2	
Greenwood/Lakeside	3	
Oliver's Pipe	4	
Carter Road	5	
Jebb Road	6	
Far Cove	7	
Seagull Heaven	8	
Washer Cove	9	
Moonbeam	10	
Amherst Town Beach	11	

**\*\*Please note - counts higher than 88ppl will be retested\*\***

**Also please remember not to feed the ducks and geese. Their waste contributes to higher e-coli counts**

## 2009 Social Schedule

Boat Parade – July 5<sup>th</sup> – 2:00PM

Ice Cream Social – July 18<sup>th</sup> – 7 to 9

Cardboard/Sail Boat Races & Olympic Day – August 2<sup>nd</sup> (more info to come)

Ice Cream Social – August 15<sup>th</sup> – 6 to 8

Annual Cookout – August 22<sup>nd</sup> (more info to come)

### Boat Parade

The annual boat parade will be held on Sunday July 5<sup>th</sup> at 2:00pm. The parade will start down by the Four Season's Beach and will proceed around the entire lake. This year's theme is the letter "G". So decorate your boats accordingly and keep your theme appropriate for all ages to view. Trophies will be awarded for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place. FYI - Marine Patrol was here last year and shadowed the parade so make sure you have your boats and passengers meet all the required boating safety laws.

### Ice Cream Social

On July 18<sup>th</sup> from 7 to 9pm at the Sullivan's dock. The ever-popular free ice cream social will be held. Once again we will be having chocolate and vanilla ice cream with your choice of whip cream, strawberries, hot fudge, jimmies and nuts. So come by boat or just walk on down and enjoy a nice ice cream. **Special note.** Toni Paul will have BLA merchandise available for sale from her pontoon boat that night. If you would like to purchase something please remember to bring either cash or check to the event.

### Community Sponsor Page

If you would like to place an ad in our newsletter and on the web site, the price is \$100 for members and \$150 for non-members. This will get you an ad in our newsletter for 1 year May 1<sup>st</sup> to April 30<sup>th</sup> and also a bigger ad on the web site for 1 year.



**BEARD & BOYD**  
Insurance Agency, LLC

*Located on the Village Green  
next to Moulton's Market.  
Call Rick Boyd for a Quote.*

8 Main Street • Amherst, NH • 03031  
603-673-7228 • www.beardboyd.com



**Dave's**  
SEPTIC SERVICE

PO Box 5193 Manchester, NH 03108  
Local: 603 668-3402  
Toll Free: 800-672-3402