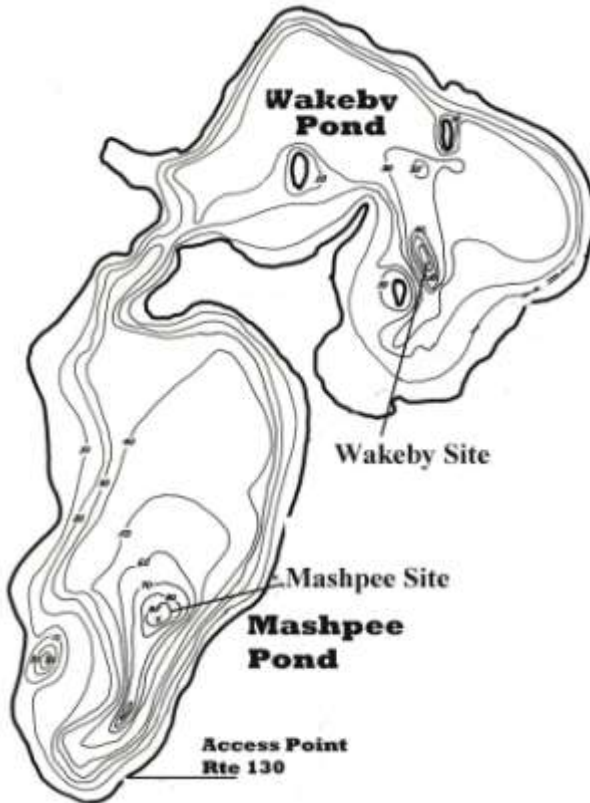


# **MASHPEE & WAKEBY LAKES MANAGEMENT COMMITTEE NEWSLETTER**



**VOL10, Number 2, Summer 2010**

This Newsletter's notification of availability is by email list only. If you have a neighbor who would like to be added to the e-mail list they should forward their email address to: [mashpeewakeby@comcast.net](mailto:mashpeewakeby@comcast.net)

**"Because we don't think about future generations, they will never forget us."**

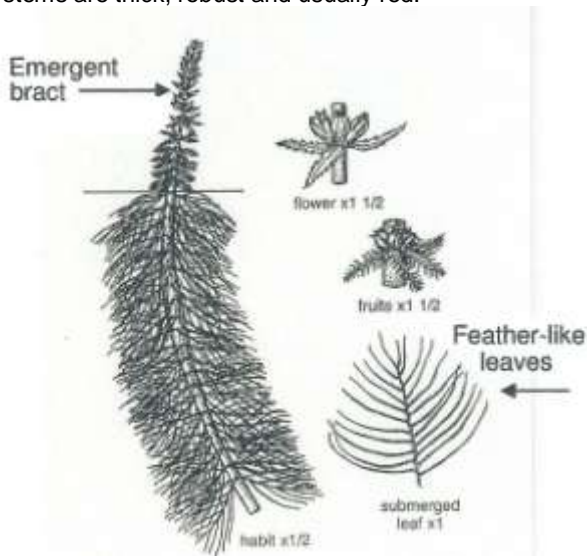
**Henrik Tikkanen**

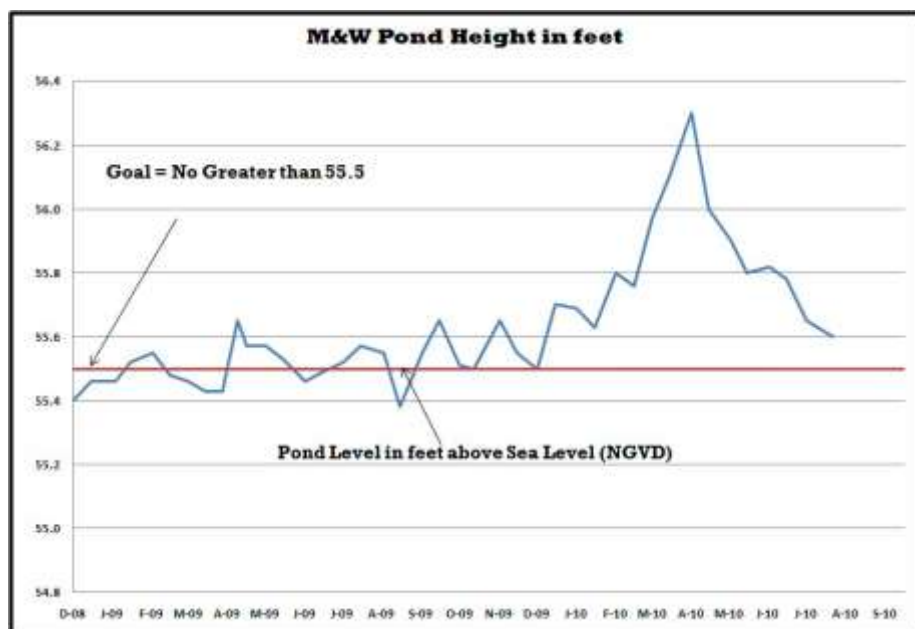
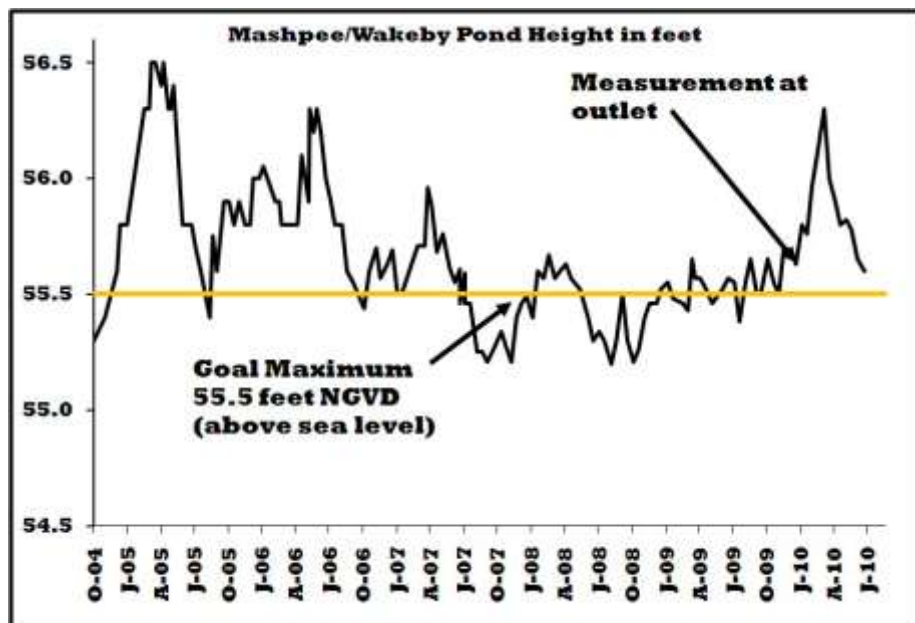
## Variable Milfoil: An invasive Aquatic Plant



### **Description**

- Variable Milfoil is an aquatic rooted, submerged non-native plant with a "raccoon-tail" or pipe cleaner appearance.
- Variable Milfoil can form dense mats at the water surface and can grow in the photic zone, in up to 10 feet of water.
- The delicate green underwater leaves are feather-like and average  $\frac{1}{2}$  to 2 inches across. Leaves are arranged around the stem in whorls of 4-6. The leaves have 6-12 segments.
- During late summer a 4-6 inch emergent bract develops, protruding above the water surface. The small bright green leaves on the bract are oval and are both serrated and non-serrated. (The lower female section of the bract has serrated leaves, and the upper male portion has smooth margins).
- The stems are thick, robust and usually red.





## **Mashpee & Wakeby Ponds Pass Testing**

The state requires beaches to be tested weekly for bacterial organisms during the swim season. Since June 2<sup>nd</sup> - August 18<sup>th</sup>, both areas tested in Mashpee Pond, Camp Farley and Attaquin beach have passed testing. Updated testing information can be found on the Barnstable County web site.

[www.barnstablecountyhealth.org/beachsamplingmap.htm](http://www.barnstablecountyhealth.org/beachsamplingmap.htm)

## **Trophic State Comparison to Generally Accepted Standards**

Samples, taken once a year by volunteers during the summer, provide a “snapshot of each ponds trophic state. Lab analysis is provided by the School for Marine Science and Technology, UMASS Dartmouth under The Pond and Lakes Stewards Program (PALS).

An oligotrophic water body is normally lacking in plant nutrients and has a large amount of dissolved oxygen throughout.

Mesotrophic waterbodies generally have moderate nutrient concentrations, moderate growth of algae, aquatic macrophytes, or both and water clear enough (visibility of 8 to 13 feet) so that most swimmers are not repelled by its appearance and can generally see potential underwater hazards.

Eutrophic waterbodies have waters rich in mineral and organic nutrients that promote a proliferation of plant life, especially algae, which reduce the dissolved oxygen content and often cause the extinction of other organisms.

If you wish to learn more about these measurements we suggest you visit <http://dipin.kent.edu/>

*Note there is no www in the address*

**Table 1-Trophic State Classifications**

<b>Indicator</b>	<b>Oligotrophic</b>	<b>Meso-trophic</b>	<b>Eutrophic</b>	<b>units</b>
<b>Phosphorus</b>	Less than 12	12-24	Greater than 24	µg/L
<b>Chlorophyll a</b>	Less than 2.6	2.6-7.2	Greater than 7.2	µg/L
<b>Secchi</b>	Greater than 4	2-4	Less than 2	Meters

*Carlson 1977*

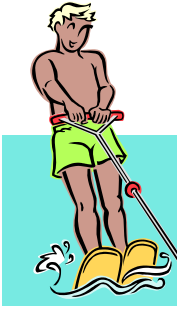
**Table 2**

**Snapshot 0.5-1 Meter Depth Data(in table 1 units)**

<b>Pond</b>	<b>Item</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Mashpee	Phos	Na	<b>35.93</b>	9.29	8.98	9.27	12.4	11.9	9.0	9.3
Mashpee	Chlor a	Na	5.22	3.75	5.01	5.43	6.34	2.15	2.26	5.19
Mashpee	Secchi	Na	2.35	4.0	3.8	3.43	2.2	3.0	4.9	4.7
Wakeby	Phos	<b>72.78</b>	<b>27.87</b>	<b>30.97</b>	16.10	12.36	15.5	15.1	11.3	15.5
Wakeby	Chlor a	6.34	6.04	5.6	7.10	5.29	3.41	4.39	4.53	7.1
Wakeby	Secchi	2.74	2.87	3.8	4.1	6.0	2.75	3.15	4.13	4.1

**xxx=Eutrophic**

## **Waterskiing on Mashpee and Wakeby Ponds**



Over the last few years, the size of boats using Mashpee Pond has grown much larger, and there are a lot more of them! We are concerned that there will be a serious accident. Because, Mashpee is a great pond over 500 acres, regulated by the State, the rules applying to other Town ponds are not in effect. In other ponds, all waterskiing turns are to be made counterclockwise. This committee

is in favor of a boating law requiring counterclockwise turns in Mashpee and Wakeby Lakes also. In addition, we feel a reduction in speed would help lessen the chance of accidents. Approval by State and local officials would be required.

### **Swimmers Itch**



Swimmers itch has been reported in Wakeby Lake. Also called cercarial dermatitis, swimmers itch is a skin rash caused by a tiny parasite, which is carried by host animals such as ducks, geese, gulls, swans as well as beaver. Snails become infected as well. This very irritating rash can last up to a week.

Children playing in shallow water are most apt to contact it. A fact sheet put out by the New Hampshire Dept. of Environmental Services can be found at

<http://des.nh.gov/organization/commissioner/pip/factsheets/bb/documents/bb-2.pdf> To help avoid this rash towel dry immediately after swimming, and do not feed the waterfowl

### **Moorings**

GIS plotting is being done on all fresh and salt water moorings in Town, and they are being chronologically numbered. Waterways assistants will be tagging moorings and placing stickers to match on the boats. Temporary mooring passes for guests will be available for a week.

## MASHPEE & WAKEBY LAKE MANAGEMENT COMMITTEE

### MISSION STATEMENT

The Mashpee & Wakeby Lake Management Committee is comprised of five members from the Mashpee community. They are representative of groups within the Town of Mashpee who have a vested interest in maintaining the beauty and safety of the Lake for the residents' use and enjoyment. The Committee acts as a conduit for the public's interests and concerns about the Lake. It serves as liaison to the Town's governing agencies, recommending necessary actions to be taken. The Committee meets on the fourth Tuesday of each month, at 7:30 PM at the Mashpee Town Hall. The presence of Mashpee residents at these meetings is encouraged. We urge your participation in the activities of this Committee, to assist in our ongoing efforts to preserve the beauty and safety of the Lake. For more information, contact any of the Committee members listed below.

William Marsters Jr., Chairman — Lake Shore Property Owner  
100 Lakewood Drive, Mashpee, MA 508-477-1750

William R. Taylor, Vice Chairman - Waterways Commission  
31 Godfrey Road Mashpee, MA 508-477-6739  
Email: [nobsque@comcast.net](mailto:nobsque@comcast.net)

Barbara Nichols, Secretary- Lake Shore Property Owner  
23 Melissa Ave, Mashpee, MA 508-539-1848  
Email: [barbnich@cape.com](mailto:barbnich@cape.com)

George G. Bingham III  
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Hans Fritschi — Lake Shore Property Owner  
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