

October 24, 2005

Messer Pond Protective Association  
c/o Bob Brown  
458 Forest Acres Rd  
New London, NH 03257

Dear Messer Pond Protective Association:

The purpose of this letter is to summarize my findings during the August 10, 2005 plant survey that I conducted on Messer Pond in New London. This survey was conducted at the request of several lake residents so that the information yielded from this analysis could be used to aid in lake protection and management for the future.

Attached is a map and key of the findings. Please note that the map is a general summary of the distribution and relative abundance of plant growth in the pond. The symbols are not intended to depict the exact location and abundance of a particular plant species.

From my assessment, I have determined that there is a healthy mix of aquatic plant growth in Messer Pond at this time. The plants that are found in Messer Pond are very common in New Hampshire, including yellow and white lilies, bladderwort, pickerelweed, and others. The attached table summarizes the relative abundance of the plants, and locations where they may have been more abundant during the survey.

The most prevalent plant species was pickerelweed as it was distributed around nearly the entire shoreline. The plant was listed as common as there was only on location where thicker growth was documented (along the south-eastern shoreline), but it did not pose problems to navigation. The next most common plant was aquatic bur-reed, followed by water naiad and grassy arrowhead.

No aquatic exotic plants were found anywhere in the pond during the survey, but it is advised that the Protective Association continue to monitor once a month from May through September for these plants as a single boat could result in the introduction of an exotic plant that could pose problems for the pond. A native species of milfoil was found rooted near the boat launch and near the island. Genetics verified that it is *Myriophyllum farwellii*, a native (and perfectly 'ok') milfoil species.

At this point I do not perceive there to be a problem with aquatic plants in Messer Pond. Due to the shallow nature of the pond, and the clarity of the pond, there will be much habitat available for aquatic plant growth in the nearshore areas. Residents are advised to practice good watershed management activities to minimize nutrient loading to the pond, which will thereby slow both plant and algae growth.

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With regards to plant management, please be advised that any removal of plants or sediments from the lake will require a permit from the DES Wetlands Bureau. Please contact Wetlands at 603-271-2147 with any questions regarding plant management in the pond. Also, it is illegal for anyone other than a licensed aquatic applicator to put herbicides or other chemicals in or adjacent to a lake or pond.

If you have any questions about this summary, please contact me anytime at [asmagula@des.state.nh.us](mailto:asmagula@des.state.nh.us) or 603-271-2248.

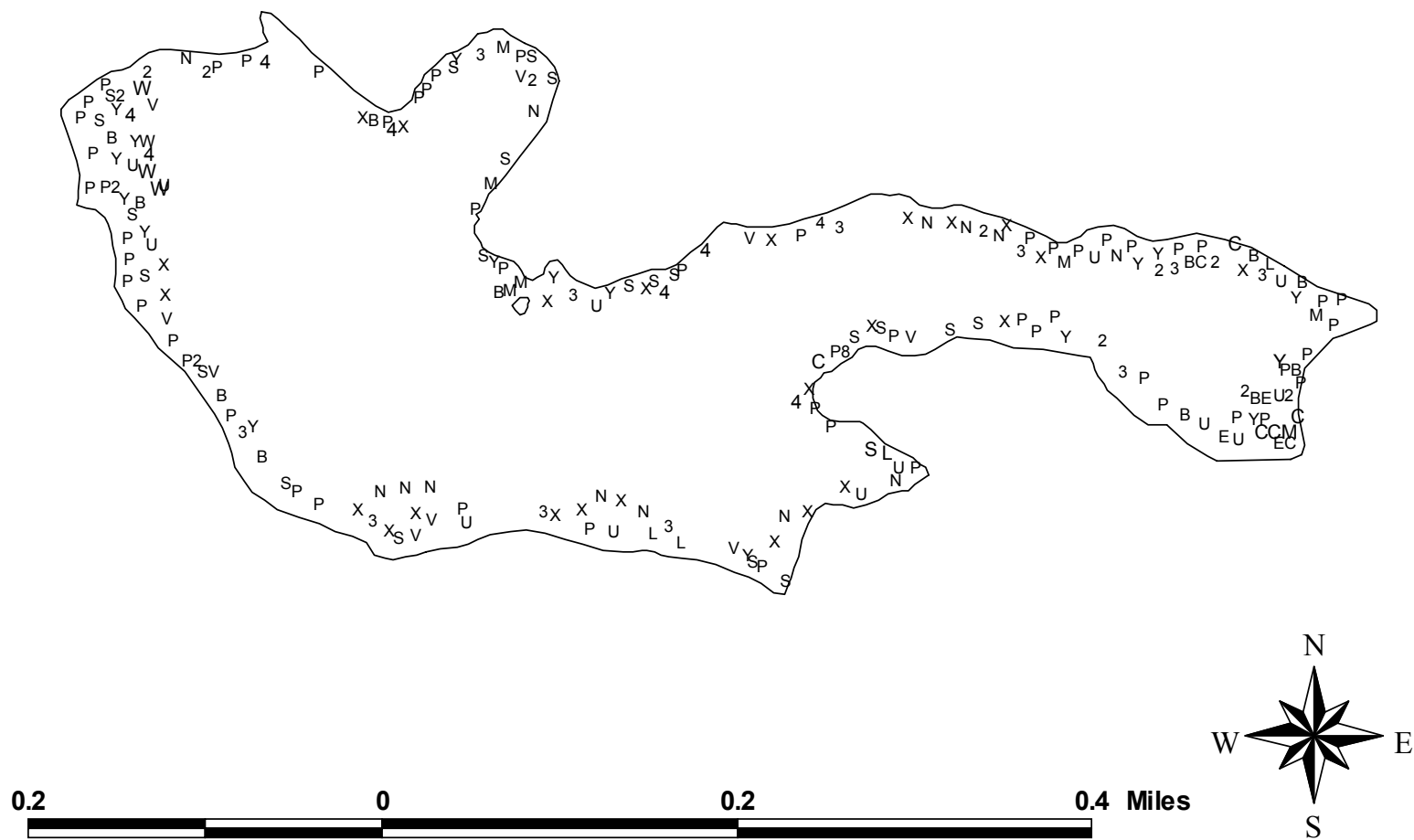
Sincerely,

Amy P. Smagula  
Exotic Species Program Coordinator

Attachments

cc: Messer Pond File  
Andrea LaMoreaux, VLAP

# Messer Pond Aquatic Plant Map August 10, 2005



### Key to Macrophyte Map of Messer Pond, New London, NH

Symbol	Common Name	Latin Name	Abundance
M	Native milfoil	<i>Myriophyllum farwellii</i>	Scattered. Some rooting near island and near access site.
P	Pickerelweed	<i>Pontedaria cordata</i>	Common around shoreline edge.
B	Watershield	<i>Brasenia schreberi</i>	Scattered in parts of the pond.
Y	Yellow lily	<i>Nuphar</i>	Scattered, but more abundant in western cove.
S	Grassy arrowhead	<i>Sagittaria graminea</i>	Scattered around shoreline.
U	Bladderwort	<i>Utricularia</i>	Scattered around lake and found as drifting fragments.
X	Aquatic Bur-reed	<i>Sparganium aquaticum</i>	Scattered around lake.
L	Lobelia	<i>Lobelia dortmanna</i>	Sparse
E	Spike rush	<i>Eleocharis</i>	Scattered around pond.
3	Pipewort	<i>Eriocaulan septangulare</i>	Scattered around pond.
2	Sterile threadlike-leaf	<i>Eleocharis spp.</i>	Scattered around pond.
N	Water naiad	<i>Najas</i>	Scattered/common around pond.
V	Tapegrass/water celery	<i>Vallisneria</i>	Scattered.
4	Pondweed	<i>Potamogeton</i>	Scattered.
C	Sedge spp.	<i>Carex spp.</i>	Common in cove adjacent to access site, scattered elsewhere.
8	Bur-reed (erect)	<i>Sparganium spp.</i>	Sparse.
W	White Lily	<i>Nuphar</i>	Common in western cove, scattered elsewhere.