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## METHUEN CONSERVATION COMMISSION

90 Hampshire Street • Methuen, MA 01844

July 27, 2010

Dear Lakefront Homeowner:

Several studies of the aquatic vegetation in Forest Lake have been completed in past years. The Methuen Conservation Department will be updating this information in order to provide an accurate description of *what* plants are present and the *density* of plants present. Data about the vegetation is just one piece of the whole for helping explain the health of the lake environment.

Methuen Conservation asks for your help: please complete the enclosed survey and return the form to our office. The survey is designed to be as easy as possible for your convenience and to provide us with a general overview of the current status of the vegetation. Once the base-line data from your survey is reviewed, Methuen Conservation will proceed with a more-detailed survey.

Your anticipated cooperation is greatly appreciated and please don't hesitate to call our office with any questions or concerns.

Sincerely,

William M. Manzi, III  
Mayor

Joseph Giarrusso  
Methuen Conservation Officer

DATE OF OBSERVATION: \_\_\_\_\_

NAME: \_\_\_\_\_

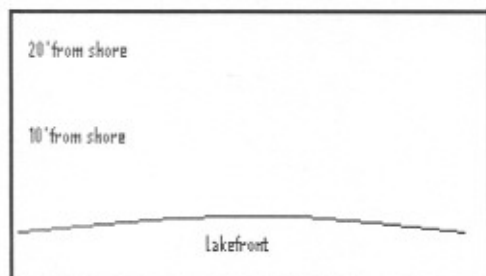
ADDRESS: \_\_\_\_\_

TELEPHONE #: \_\_\_\_\_

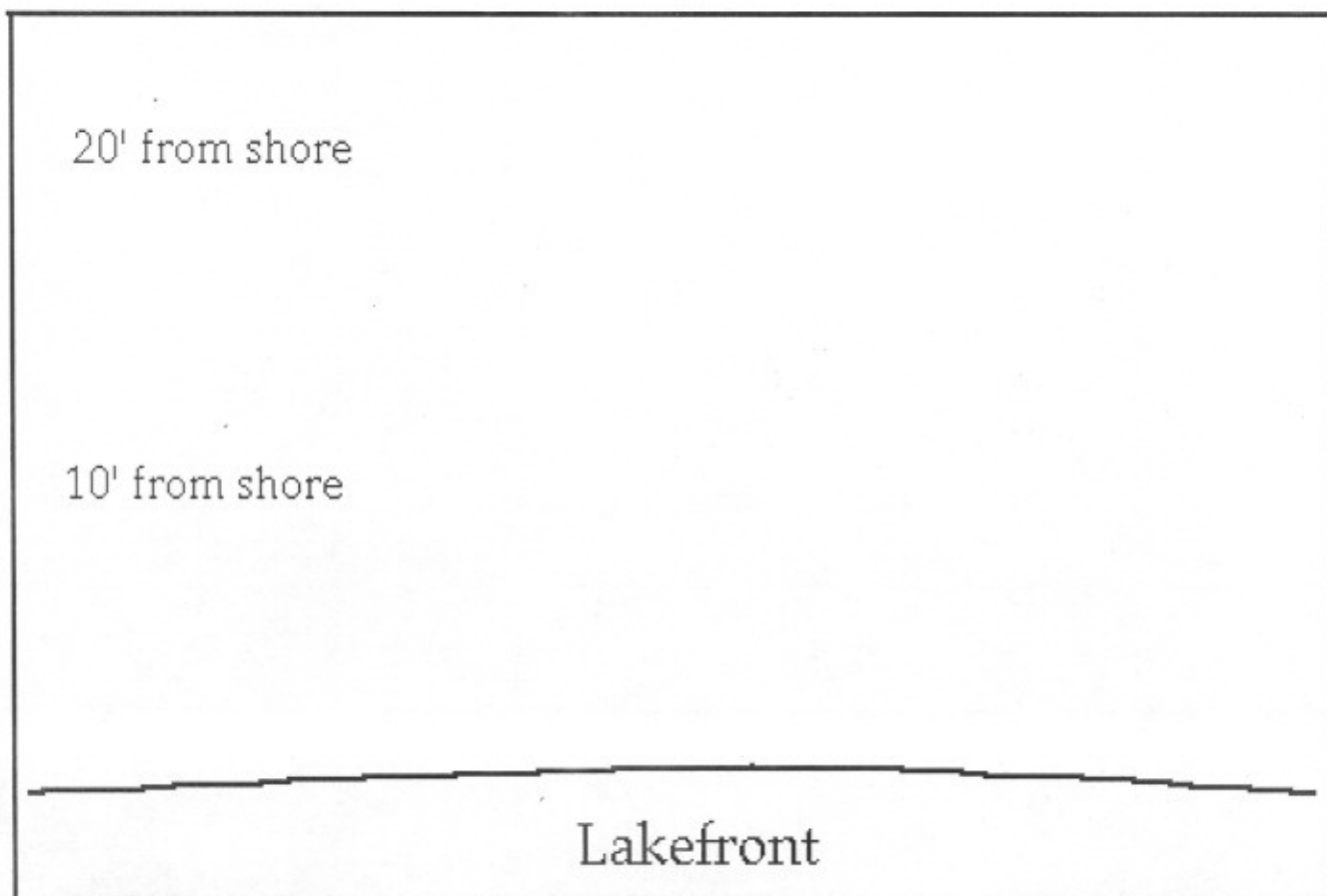
PLEASE GIVE A BRIEF DESCRIPTION OF LAKEFRONT (I.E. WHAT IT LOOKS LIKE, WHAT THE LAKE BED IS MADE OF):

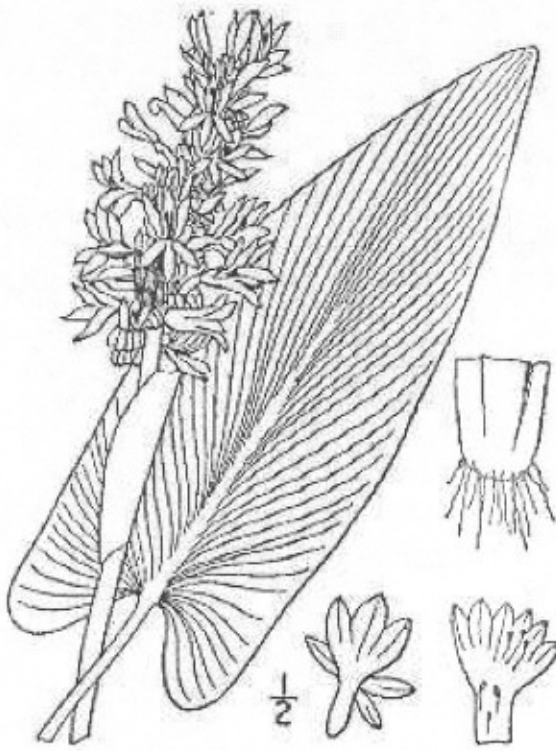
INSTRUCTIONS:

Locate the plant species present in your area on the diagram below, using the letter-code found on the back of the previous page. For example, a site with dense elodea (E) near the shore and some scattered yellow lilies (YL) further out would appear like this:



APPROXIMATE SIZE (FEET) OF LAKEFRONT AREA: \_\_\_\_\_





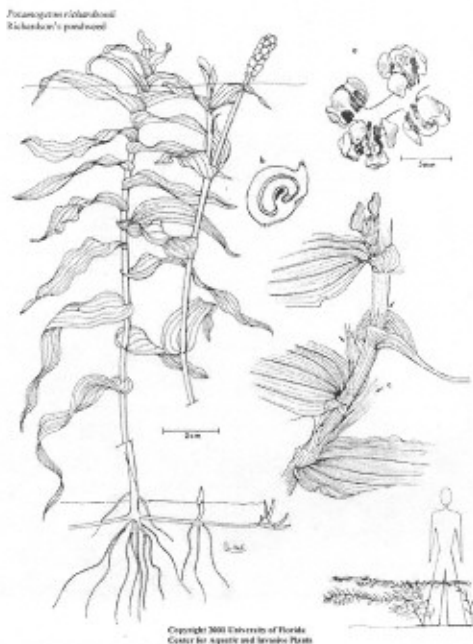
**PW - *Pontederia cordata***  
**pickerel weed**

leaves are very large arrowhead to heart-shaped, single stalk of small blue flowers

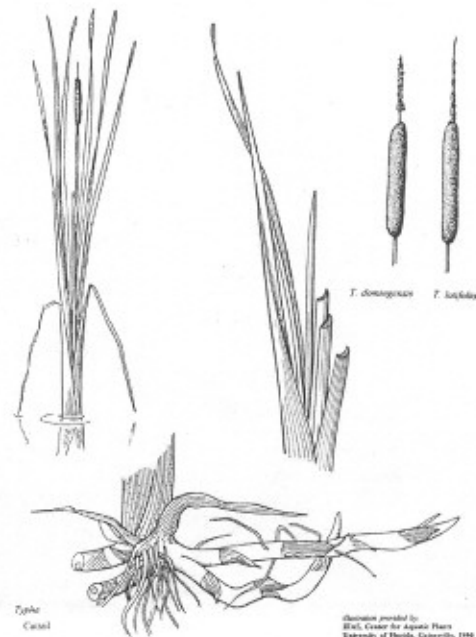


**E - *Elodea canadensis***  
**elodea**

leaves are whorled; submerged underwater; sometimes floating in mats



**P - *Potamogeton richardsonii***  
**redhead grass**  
submerged underwater



**CT - *Typha latifolia* L.**  
**cattail**  
upright leaves 2-6 feet long and a tight cluster of many tiny flowers that form a dark brown spike or "tail"

*Chara* spp. Muskgrass

*Chara* spp.  
Muskgrass

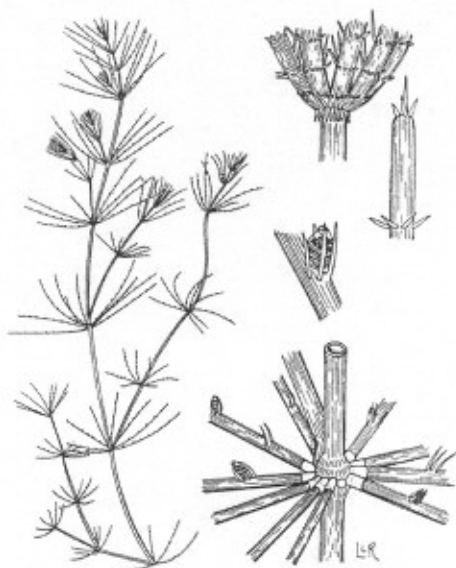


Illustration provided by:  
IFAS, Center for Aquatic Plants  
University of Florida, Gainesville, 1996

**C - *Chara***  
**muskgrasses**

stems with whorled, brittle branches that  
snap easily; no roots; limy coating



Lám. 30 - *Nuphar luteum* subsp. *luteum*, Pucbla de Don Rodrigo, Ciudad Real (BC 599259); a) habit; b) sección de la flor; c) pétalos; d-h) serie estaminal, de los externos a los internos.

**YL - *Nuphar luteum***

**yellow waterlily**

circular or heart-shaped leaves; floating  
yellow flower

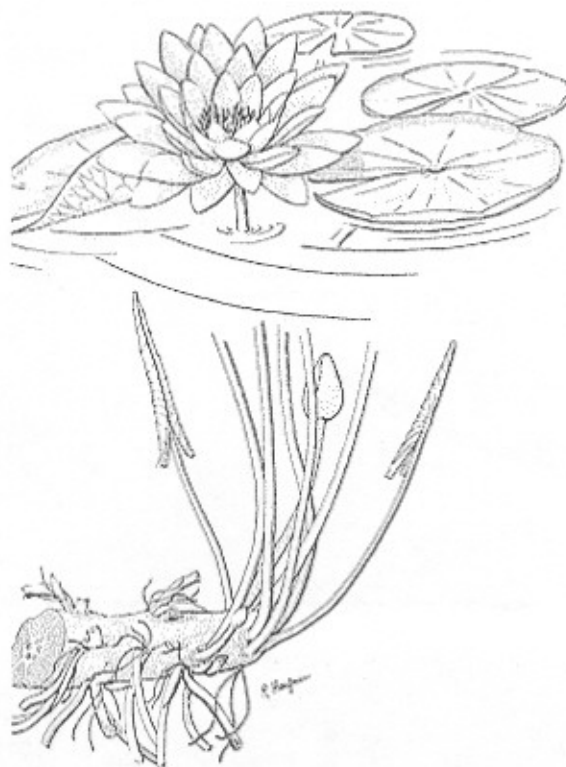


**Nitella**

**N - *Nitella* sp.**

**nitella**

structure is similar to *Chara* but  
branches bend; no limy coating



**WL - *Nymphaea odorata***

**white waterlily**

circular leaves; white or pink floating  
flowers