

**PRISM**  
**NON-NATIVE PLANT INVASIVENESS RANKING FORM**  
 New York Partnerships For Regional Invasive Species Management

PRISM: Long Island Invasive Species Management Area

Scientific name: Marsilea quadrifolia                      USDA Plants Code: MAQU  
 Common names: European water fern  
 Native Distribution: Europe  
 Date Assessed: July 31, 2008  
 PRISM Assessors: Gery Moore  
 PRISM Reviewers: LIISMA SRC  
 Date Approved: 2008-08-20    Form version date: 2008-07-24

New York Relative Maximum score:                             Date NY assessment approved: 2008-08-20  
 New York State Invasive Rank: Unknown

**SUMMARY OF PRISM RANKING RESULTS:**

**Distribution:**

**Estimated number of infested sites:**

**PRISM Invasiveness Rank:**



**A. DISTRIBUTION AND ABUNDANCE (KNOWN/POTENTIAL):**

1. What is the species distribution and abundance in the PRISM?

- |  |             |
|--|-------------|
| A. Not present   | Not Present |
| B. Occurs in three or fewer natural areas (locations that are at least ¼ mile apart) with no infested area* >1 acre or containing >100 individuals | Restricted  |
| C. Present in 4–10 natural areas, or with one occupied location >1 acre or containing >100 individuals   | Common      |
| D. Present in >10 minimally managed areas  | Widespread  |
| U. Unknown   | Unknown     |

Answer:

Describe distribution:  
 Not known from LIISMA  
 Sources of information:  
 Weldy & Werier, 2005; Brooklyn Botanic Garden, 2008.

\*Definition of "infested area" is the "...actual or percentage of land occupied by [canopy cover of] weed plants" NAWMA (North American Weed Management Association) 2002. North American Invasive Plant Mapping Standards (see <http://www.nawma.org/>).

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2. What is the likelihood the species will occur (if not yet present) or expand its distribution and abundance (if already present) in the PRISM?

Answer: Very likely

Documentation (e.g.: history of establishment in PRISM, suitability of habitats and climate, distribution models, literature, expert opinions):  
 The species has been reported from areas north and south of the LIISMA PRISM  
 Sources of information:  
 U.S.D.A., 2008.

**B. INVASIVENESS RANK IN THE PRISM:**

Is the species distribution Widespread or Common?

Yes: Go to column A in table below.

No: What is the likelihood of species occurrence or expansion? Answer: Very likely

- Very Likely:                    Use column A below
- Moderately likely:        Use column B below
- Unlikely:                      Use column C below
- Zero likelihood              Invasive potential Insignificant
- Unknown                      Invasive potential Unknown
- Not assessed                 Invasive potential not assessed

Assign a PRISM invasiveness rank to the species based on its New York Relative Maximum Score, using the designated column in the table below.

New York Relative Maximum Score	New York Invasiveness Rank	INVASIVE RANK IN PRISM		
		A	B	C
> 80.00	Very High	VH	H	M
70.00-80.00	High	H	M	L
50.00-69.99	Moderate	M	L	Ins
40.00-49.99	Low	L	Ins	Ins
<40.00	Insignificant	Ins	Ins	Ins

**Column used: A**

**References for species assessment:**

Brooklyn Botanic Garden. 2008. AILANTHUS database. [Accessed on August 12, 2008]  
 Weldy, T. and D. Werier. 2005. New York Flora Atlas. [S.M. Landry, K.N. Campbell, and L.D. Mabe (original application development), Florida Center for Community Design and Research. University of South Florida]. New York Flora Association, Albany, New York. [Accessed on August 12, 2008.]

**Citation:** This ranking form for regions within NYS may be cited as: Jordan, M.J., G. Moore and T.W. Weldy. 2008. Invasiveness ranking system for non-native plants of New York. Unpublished. The Nature Conservancy, Cold Spring Harbor, NY; Brooklyn Botanic Garden, Brooklyn, NY; The Nature Conservancy, Albany, NY. Note that the order of authorship is alphabetical; all three authors contributed substantially to the development of this protocol.

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