

PRISM

(New York Partnerships for Regional Invasive Species Management)

NON-NATIVE PLANT INVASIVENESS RANKING FORM

PRISM: Long Island Invasive Species Management Area

Scientific name: Najas minor All. USDA Plants Code: NAMI
Common names: brittle water nymph
Native Distribution: Eurasia; Africa?
Date Assessed: 1 July 2008
PRISM Assessors: Steve Glenn
PRISM Reviewers: LIISMA SRC
Date Approved: 9 July 2008 Form version date: 13 April 2009
New York Relative Maximum score: 64.84 Date NY assessment approved: 9 July 2008
New York State Invasive Rank: Moderate

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:

Nassau County- 1 site (2006); Suffolk County- 2 sites (1992, 2006)

Sources of information:

Brooklyn Botanic Garden, 2008

[§]Not Assessable: not persistent in the PRISM, or not found outside of cultivation.

*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: Moderately likely

Documentation (e.g.: history of establishment in PRISM, suitability of habitats and climate, distribution models, literature, expert opinions):

Suitability of habitats, although the suggestion that *Najas minor* infestation is facilitated by more alkaline waters may limit its spread on Long Island. One citation states that Long Island groundwater is quite acidic with a pH range of 4.4 to 6.1.

Sources of information:

Anonymous, 1993; NatureServe, 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: Moderately 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	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: B (Insert PRISM Invasiveness Rank on page 1)

References for species assessment:

Anonymous. 1993. "Proceedings of the Conference on Water Quality on Long Island" sponsored by The Center for Regional Policy Studies and the Long Island Regional Planning Board held at the State University of New York at Stony Brook, January 26, 1993. Available <http://www.eserc.stonybrook.edu/cen514/info/LI/Groundwater.pdf> [Accessed 1 July 2008].

Brooklyn Botanic Garden. 2008. AILANTHUS database. [Accessed on 1 July 2008].

NatureServe. 2008. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.0. NatureServe, Arlington, Virginia. Available <http://www.natureserve.org/explorer>. [Accessed 1 July 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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