

PRISM
(New York Partnerships for Regional Invasive Species Management)
NON-NATIVE PLANT INVASIVENESS RANKING FORM

PRISM: Long Island Invasive Species Management Area

Scientific name:	Nelumbo nucifera	USDA Plants Code: NENU2
Common names:	Sacred lotus	
Native Distribution	Asia	
Date Assessed:	July 30, 2008; September 5, 2008	
PRISM Assessors:	Gerry Moore	
PRISM Reviewers:	LIISMA SRC	
Date Approved:	9-24-2008	Form version date: 25 August 2008
New York Relative Maximum score:	64.38	Date NY assessment approved: 9-24-2008
New York State Invasive Rank:	Moderate	

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Common

Estimated number of infested sites: ca. 4

PRISM Invasiveness Rank: Moderate



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: Common

Describe distribution:

Known from one pond [Massapequa (Caroons) Lake] on Long Island where, according to Al Lindberg, it occupies approximately one acre. Also known from Suffolk County (1 site in Mattituck) and 2 sites in Kings County (Greenwood Cemetary and Prospect Park).

Sources of information:

Weldy & Werier, 2005; Brooklyn Botanic Garden, 2008; Polly Weigand, personal communication; Al Lindberg, personal observations; Rich Kelly, personal observations.

*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/>).

PRISM
(New York Partnerships for Regional Invasive Species Management)
NON-NATIVE PLANT INVASIVENESS RANKING FORM

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:

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

Planting range of the species includes New England. Species is clearly overwintering at the one site.

Sources of information:

Gilman, 1999; Al Lindberg, personal observations; Rich Kelly, personal observations.

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: 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: A (Insert PRISM Invasiveness Rank on page 1)

References for species assessment:

Brooklyn Botanic Garden. 2008. AILANTHUS database. [Accessed on September 5, 2008].

Gilman, E. F. 1999. *Nelumbo nucifera*. Fact Sheet FPS-424. Cooperative Extension Service. Institute of Food and Agricultural Sciences. University of Florida.

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 September 5, 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.

Acknowledgments: Valuable contributions by members of the Long Island Invasive Species Management Area's Scientific Review Committee were incorporated in revisions of this form.