

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

PRISM: Long Island Invasive Species Management Area

Scientific name: Nymphoides peltata USDA Plants Code: NYPE
 Common names: Yellow floating heart
 Native Distribution: Asia, Europe
 Date Assessed: July 25, 2008; edited March 30, 2010
 PRISM Assessors: Gerry Moore
 PRISM Reviewers: LIISMA SRC
 Date Approved: 2008-08-11; edited 2008-11-19 Form version date: 2008-07-24

New York Relative Maximum score: 74.47 Date NY assessment approved: 2008-08-11
 New York State Invasive Rank: High

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Common

Estimated number of infested sites: <5

PRISM Invasiveness Rank: High



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:
 Found in Kings, Queens, and Suffolk Counties. Sites in Kings County are large with over 100 individuals present in each.
 Sources of information:
 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:

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

Species has been reported from the PRISM and it occurs north and south of LIISMA in similar habitats. If it could be shown that all sites known from LIISMA were the result of deliberate plantings then its likelihood of spread would be reduced.

Sources of information:

Brooklyn Botanic Garden, 2008; author's 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	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 5, 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 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.

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