

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

PRISM: Long Island Invasive Species Management Area

Scientific name: Hydrilla verticillata USDA Plants Code: HYVE3
 Common names: Waterthyme
 Native Distribution: Asia
 Date Assessed: 28 April 2008; edited Sept. 29, 2008
 PRISM Assessors: Steve Glenn & Gerry Moore
 PRISM Reviewers: LIISMA SRC
 Date Approved: 16 June 2008 Form version date: 25 August 2008

New York Relative Maximum score: 91.40 Date NY assessment approved: 16 June 2008
 New York State Invasive Rank: Very High

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:
 Three infestations >1 acre (1 in Orange County; 2 in Suffolk County)
 Sources of information:
 Kishbaugh, Scott, NYS DEC personal communication August 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 spread of Hydrilla is certainly possible although it is not know to be currently established in New York, including the LIISMA prism. Establishment of the monoecious Hydrilla biotype seems especially likely.
 Sources of information:
 Brooklyn Botanic Garden, 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 (Insert PRISM Invasiveness Rank on page 1)

References for species assessment:

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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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