

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

PRISM: Long Island Invasive Species Management Area

Scientific name: Myriophyllum aquaticum (Vellozo) Verdcourt USDA Plants Code: MYAQ2  
 Common names: Parrot-feather  
 Native Distribution: South America  
 Date Assessed: 10 June 2008; updated 31 July 2009  
 PRISM Assessors: Gerry Moore  
 PRISM Reviewers: LIISMA SRC  
 Date Approved: 23 June 2008 Form version date: 13 April 2009  
 New York Relative Maximum score: 76.67 Date NY assessment approved: 23 June 2008  
 New York State Invasive Rank: High

**SUMMARY OF PRISM RANKING RESULTS:**

**Distribution:** Widespread  
**Estimated number of infested sites:** >10  
**PRISM Invasiveness Rank<sup>§</sup>:** 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: Widespread

Describe distribution:  
 Nassau and Suffolk Counties.  
 Sources of information:  
 Washinton State, 2003; Weldy & Werier, 2005; Brooklyn Botanic Garden, 2008.

<sup>§</sup>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: Very likely

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

The species already occurs on Long Island, although probably only female plants.

Sources of information:

Weldy & Werier, 2005; 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	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: High on page 1)

**References for species assessment:**

Brooklyn Botanic Garden. 2008. AILANTHUS database. [Accessed on 10 June 2008].

Washington State, Department of Ecology. 2003. Technical information about parrotfeather. <[www.wa.gov/programs/wq/plants/weeds/aqua003.html](http://www.wa.gov/programs/wq/plants/weeds/aqua003.html)>.

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 10 June 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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