PRISM: Long Island Invasive Species Management Area

Scientific name: Callitriche stagnalis Scop.  
USDA Plants Code: CAST

Common names: pond water-starwort

Native Distribution: Europe, Asia, North Africa

Date Assessed: July 1, 2008

PRISM Assessors: Steve Clemants

PRISM Reviewers: LIISMA SRC

Date Approved: July 9, 2008  
Form version date: 13 April 2009

New York Relative Maximum score: 48.75  
Date NY assessment approved: July 9, 2008

New York State Invasive Rank: Low

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Restricted

Estimated number of infested sites: 2

PRISM Invasiveness Rank$: Insignificant

A. DISTRIBUTION AND ABUNDANCE  
(KNOWN/POTENTIAL):

1. What is the species distribution and abundance in the PRISM?

A. 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  
C. Present in 4–10 natural areas, or with one occupied location >1 acre or containing >100 individuals  
D. Present in >10 minimally managed areas  
U. Unknown

Answer: Restricted

Describe distribution:  
Only two recent locations, difficult to distinguish from native species.

Sources of information:  
Brooklyn Botanic Garden, 2008; Weldy & Werier, 2005.

$: 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”  
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):
Has been on LI since 1890s but few collections. Appears to be spreading elsewhere in the East.
Sources of information:
Brooklyn Botanic Garden, 2008: Philbrick et al., 1998

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

Assign a PRISM invasiveness rank to the species based on its New York Relative Maximum Score, using the designated column in the table below.

<table>
<thead>
<tr>
<th>New York Relative Maximum Score</th>
<th>New York Invasiveness Rank</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 80.00</td>
<td>Very High</td>
<td>VH</td>
<td>H</td>
<td>M</td>
</tr>
<tr>
<td>70.00–80.00</td>
<td>High</td>
<td>H</td>
<td>M</td>
<td>L</td>
</tr>
<tr>
<td>50.00–69.99</td>
<td>Moderate</td>
<td>M</td>
<td>L</td>
<td>Ins</td>
</tr>
<tr>
<td>40.00–49.99</td>
<td>Low</td>
<td>L</td>
<td>Ins</td>
<td>Ins</td>
</tr>
<tr>
<td>&lt;40.00</td>
<td>Insignificant</td>
<td>Ins</td>
<td>Ins</td>
<td>Ins</td>
</tr>
</tbody>
</table>

Column used:  B  (Insert PRISM Invasiveness Rank on page 1)

References for species assessment:


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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