

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

PRISM: Long Island Invasive Species Management Area

Scientific name:	Ranunculus repens L.	USDA Plants Code: RARE3
Common names:	Creeping Butter-cup	
Native Distribution	Eurasia	
Date Assessed:	May 8 2009	
PRISM Assessors:	Steve Glenn	
PRISM Reviewers:	LIISMA SRC	
Date Approved:	May 20, 2009	Form version date: 13 April 2009
New York Relative Maximum score:	63.22	Date NY assessment approved: May 20, 2009
New York State Invasive Rank:	Moderate	

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Common

Estimated number of infested sites: 8

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:

Documented from 8 sites on Long Island and Staten Island since 1980; documented from about 18 sites pre 1980. LIBS reports it from 8 out of 16 townships on Long Island, all but one record from the western end of the island.

Sources of information:

Brooklyn Botanic Garden, 2009; L.I.B.S. Atlas Database, 2009

[§]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:

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

Documented from the PRISM since the 1880s; suitability of habitats.

Sources of information:

Lovett-Doust et al., 1990; Brooklyn Botanic Garden, 2009.

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. 2009. AILANTHUS database. [Accessed on May 9, 2009]

L.I.B.S. 2009. L.I.B.S. Atlas Database.

Lovett-Doust, J., L. Lovett-Doust, & A. T. Groth. 1990. The biology of Canadian weeds. 95. Ranunculus repens. Canad. J. Plant Sci. 70:1123-1141.

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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