

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

PRISM: Long Island Invasive Species Management Area

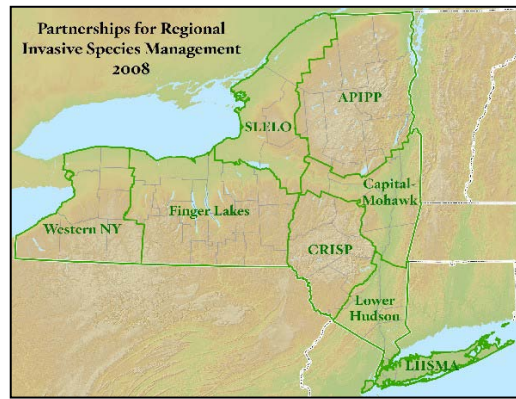
Scientific name:	Valeriana officinalis	USDA Plants Code: VAOF
Common names:	Common Valerian	
Native Distribution	Eurasia	
Date Assessed:	January 28, 2010	
PRISM Assessors:	Steve Glenn, Gerry Moore	
PRISM Reviewers:	LIISMA SRC	
Date Approved:	3 Feb. 2010	Form version date: 13 April 2009
New York Relative Maximum score:	62.16	Date NY assessment approved: 3 Feb. 2010
New York State Invasive Rank:	Moderate	

**SUMMARY OF PRISM RANKING RESULTS:**

**Distribution:** Not Present

**Estimated number of infested sites:** 0

**PRISM Invasiveness Rank<sup>§</sup>:** 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: Not Present

Describe distribution:

Only historically reported from Long Island and Staten Island from 5 locations; none since 1914.

Sources of information:

Brooklyn Botanic Garden, 2010.

<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):

Suitable habitats and climate (Grime, 1988); abundant opportunities for introduction, grown in American gardens for at least 200 years (Meyer, 1951); and is still the subject of considerable research for chemical and pharmacological utilization (Houghton, 1999).

Sources of information:

Meyer, 1951; Grime et al., 1988; Houghton, 1999.

**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 on page 1)**

**References for species assessment:**

Brooklyn Botanic Garden. 2010. AILANTHUS database. [Accessed January 28, 2010].

Grime, J. P., J. G. Hodgson & R. Hunt. 1988. Comparative plant ecology. a functional approach to common British species. Unwin Hyman, London, UK. 742 pp.

Houghton, P. J. 1999. The scientific basis for the reputed activity of Valerian. J. Pharmacy & Pharmacology. 51(5):505-512.

Meyer, F. G. 1951. Valeriana in North America and the West Indies (Valerianaceae). Ann. Missouri Bot. Gard. 38(4):377-503.

**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

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