

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

PRISM: Long Island Invasive Species Management Area

Scientific name: Persicaria perfoliata (L.) H. Gross (Polygonum perfoliatum L.)  
 USDA Plants Code: POPE10

Common names: Mile-a-minute weed

Native Distribution: India, Asia

Date Assessed: 25 April 2008

PRISM Assessors: Gerry Moore

PRISM Reviewers: LIISMA SRC

Date Approved: 14 May 2008 Form version date: 13 April 2009

New York Relative Maximum score: 91.11 Date NY assessment approved: 14 May 2008

New York State Invasive Rank: Very High

**SUMMARY OF PRISM RANKING RESULTS:**

**Distribution:** Widespread

**Estimated number of infested sites:** 20+

**PRISM Invasiveness Rank<sup>§</sup>:** Very 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:  
 Found throughout the PRISM  
 Sources of information:  
 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):  
 Present in the PRISM  
 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	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:**

Department of Conservation and Recreation [DCR] and Virginia Native Plant Society [VNPS]. Not dated. Invasive alien plant species of Virginia: Mile-a-minute. Online: <http://www.dcr.virginia.gov/dnh/invlist.htm>.

Gerlach Okay, J. A. 1995. The role of biological and ecological factors in controlling the progression of mile-a-minute (*Polygonum perfoliatum*). In: Conference proceedings, Mile-a-Minute, July 17-18, 1995, York, PA. The Pennsylvania State University, State College.

Gerlach Okay, J. A. 2005 (last updated 20 May- 2005). Mile-a-minute weed. PCA Alien Plant Working Group factsheet. Online: <http://www.nps.gov/plants/alien/fact>.

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Hartwig, N. L. 2002. History of mile-a-minute (devil's tearthumb) in Pennsylvania. In: Conference proceedings, Mile-a-Minute, July 17-18, 1995, York, PA. The Pennsylvania State University, State College.

Invasive Plant Atlas of New England [IPANE]. Not dated. *Polygonum perfoliatum*. Online: <http://webapps.lib.uconn.edu/ipane/browsing.cfm?descriptionid=13>.

Kartesz, J.T. 1994. A synonymized checklist of the vascular flora of the United States, Canada, and Greenland. 2nd edition. 2 vols. Timber Press, Portland, OR.

Kumar, V. and A. DiTommaso. Mile-a-minute (*Polygonum perfoliatum*): An increasingly problematic invasive species. Weed technology 19: 1071-1077.

Mountain, W. L. 2002. Mile-a-minute - History, distribution and habitat. In: Conference proceedings, Mile-a-Minute, July 17-18, 1995, York, PA. The Pennsylvania State University, State College.

Oliver, J. D., and N. C. Coile. 1994. *Polygonum perfoliatum* L. (Polygonaceae), the mile-a-minute weed. Botany circular No. 29, Florida Dept. of Agriculture and Consumer Services, Gainesville.

Weakley, A. S. 2005. Flora of the Carolinas, Virginia, and Georgia. Draft as of June 10, 2005. UNC Herbarium, North Carolina Botanical Garden, Chapel Hill. Available online: <http://www.herbarium.unc.edu/flora.htm>.

Weakley, A. S. 2005. Flora of the Carolinas, Virginia, and Georgia. Draft as of June 10, 2005. UNC Herbarium, North Carolina Botanical Garden, Chapel Hill. Available online: <http://www.herbarium.unc.edu/flora.htm>.

Wu, Y., C. Reardon, and D. Jian-qing. 2002. Mile-a-minute weed. In: Van Driesche, R. et al. 2002. Biological control of invasive plants in the eastern United States. USDA Forest Service Publication FHTET-2002-4.

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