



NJ Invasive Species Strike Team

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The Strike Team thanks our generous funders:

Geraldine R. Dodge Foundation National Fish & Wildlife Foundation Stackhouse Foundation
Cape Branch Foundation Klipstein Foundation The Bunbury Company Conservation Resources, Inc.
Conserve Wildlife Foundation & NJDEP Division of Fish & Wildlife Defenders of Wildlife - Living Lands Project
Essex County Department of Parks, Recreation & Cultural Affairs Leavens Foundation
Merck & Co PSE&G Washington Crossing Audubon Society The Watershed Institute
Johannette Wallerstein Institute The 1772 Foundation

and our dedicated members

NEW JERSEY INVASIVE SPECIES STRIKE TEAM

Mission: prevent the spread of emerging invasive species across the state of NJ

- NJ' s first Cooperative Invasive Species Management Area (CISMA)
- Formed in 2008 as “Central Jersey Invasive Species Strike Team”

•www.njisst.org

OUR GOALS:

Serve as data clearinghouse for all emerging invasive species in NJ

Directly assist land owners in detecting & eradicating these ecological threats

Education to encourage voluntary restrictions for the production and purchase of invasive species

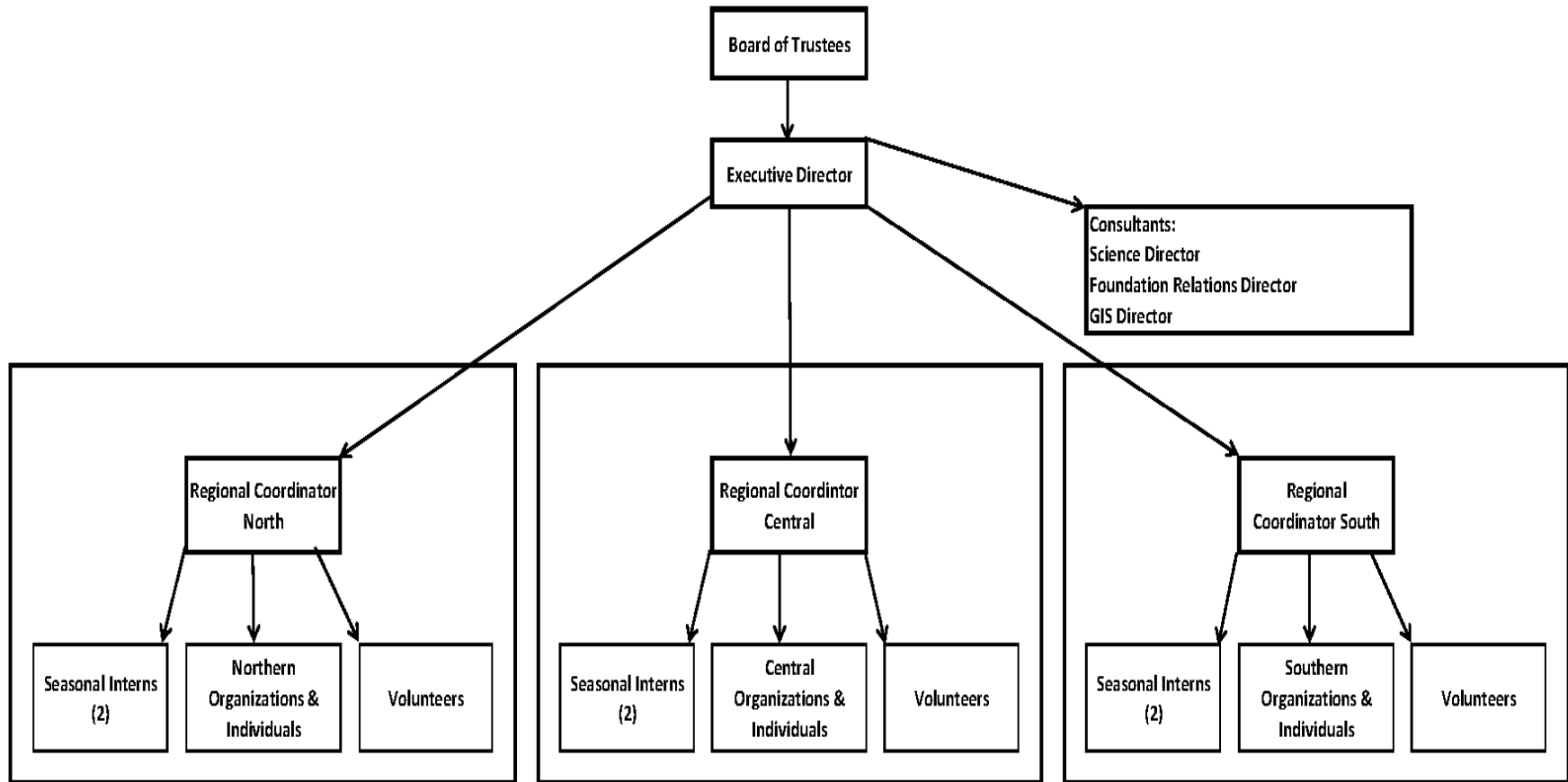
Would you rather attempt control over this?



Or this?

**EARLY DETECTION
&
RAPID RESPONSE**

New Jersey Invasive Species Strike Team Organizational Structure



4 Distinct Phases:

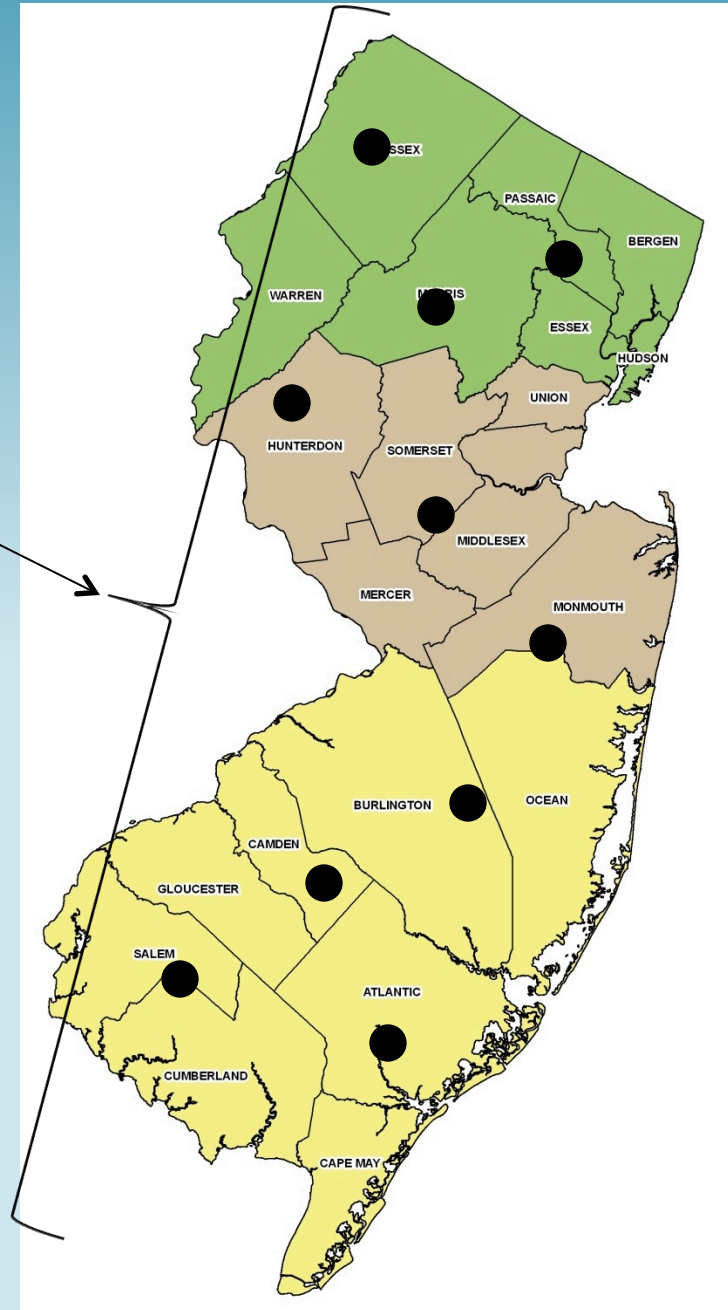
- Survey (Early Detection)
- Eradication & Control (Rapid Response)
- Outreach & Education
- Data Management

2013: New business model

Executive Director



Education Director



Stronger Focus:

**Education
Training
Outreach**

**EMPOWERING
OUR PARTNERS**

**Central Jersey Invasive Species Strike Team
2009 Invasive Species Field Data Sheet**

Site Name: _____ Site Acreage: _____
 Managed by: _____ Date: _____
 Surveyor(s): _____ Time: _____
 Species Group: _____
 Dominant invasives (incl. widespread): _____

GPS Point Number	Species Name	Population Size Code	Habitat Code	Eradic Code	Ion Method	Eradic Date	Notes

Population Size Code	# of plants	Habitat Code	Habitat Type	Eradic Code	Action	Eradic Method	Method	Eradic Method	Method
1	1	1	Forest	0	No Action	N/A	none	BB	basil bark
2	2 - 10	2	Shrubland	1	Initiated	FS	foliar spray	MU	mulching
3	11 - 100	3	Meadow	2	Completed	SO	solarization	GI	girdling
4	> 100	4	Open Water			CS	cut stump	PU	pulling
		5	Roadside			PF	prescr. fire	HF	hot foam spray
		6	Planted			HS	hack-and-squirt	PS	pre-emerg. spray
						SI	stem injection	PG	prescribed graze
						MO	mowing	ST	soil tilling

“Early Detection” Data sheet & GPS unit

**Central Jersey Invasive Species Strike Team
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“Rapid Response”

Manual Control & Chemical Control



Weed wrench



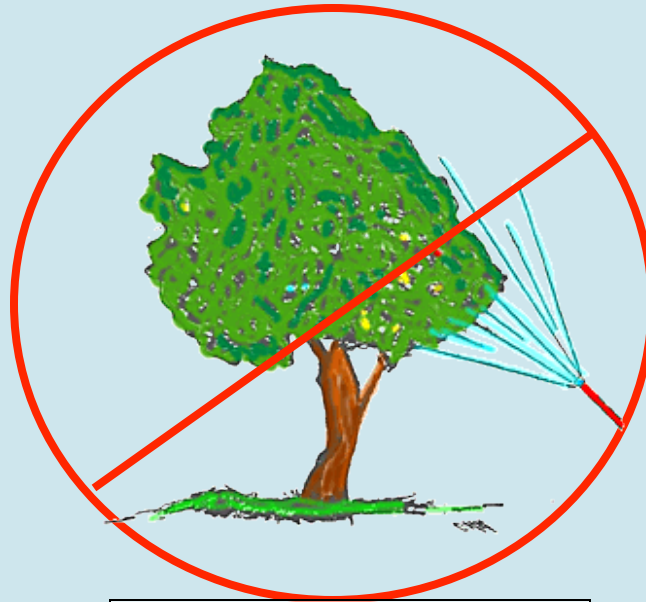
Pulling water chestnut



Untreated stump
resprouting vigorously



Basal Bark

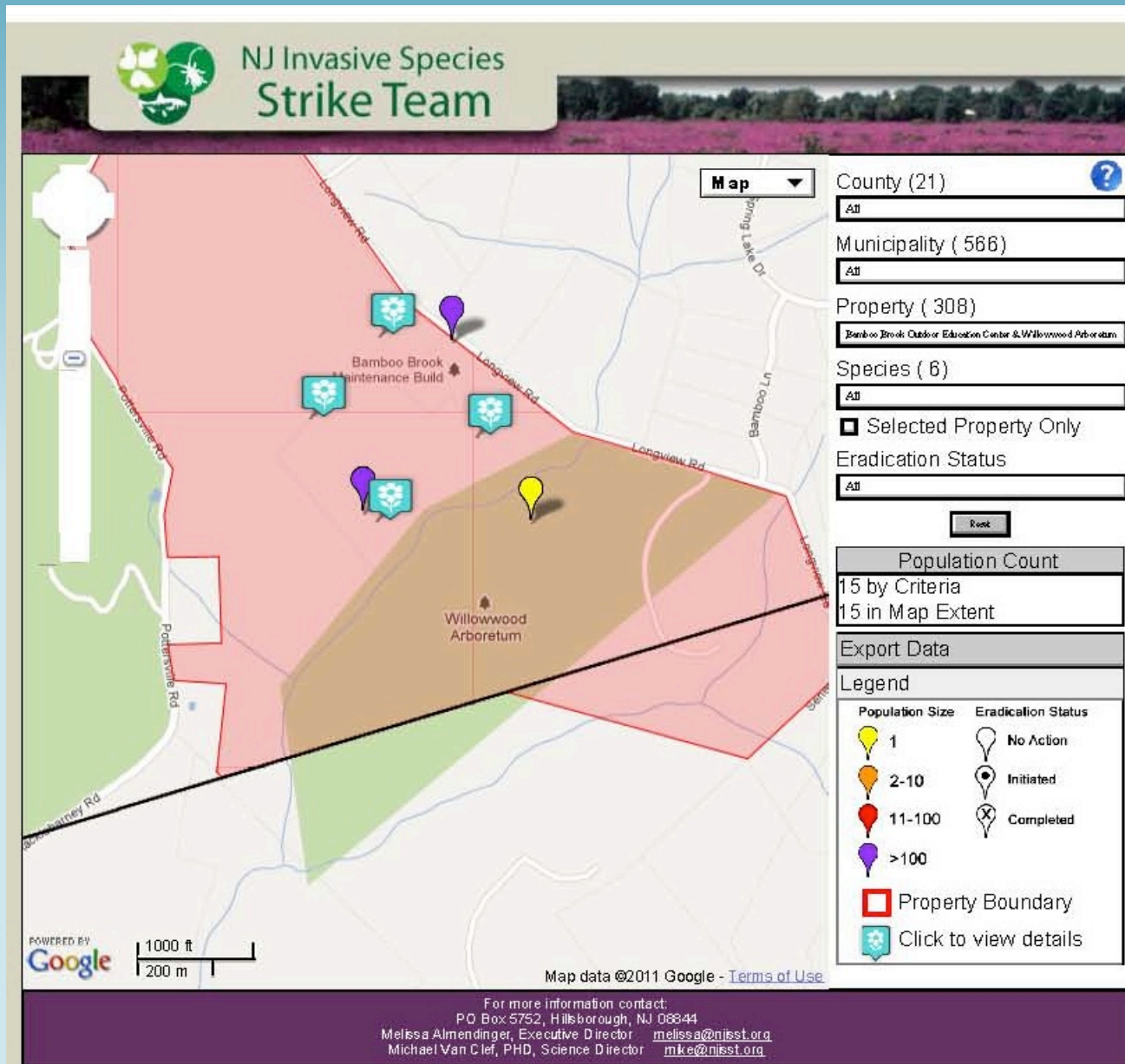


Foliar spray- never about
your head!



Cut Stump method

Data Management



Data Management



NJ Invasive Species
Strike Team

POPULATION DETAILS

Population ID: BUBR-399-20091023

Date: 10/23/2009

Property Information

Property: Burnett Brook Natural Area

Manager: Mendham Township

Plant Information

Species: *Rhamnus cathartica* (common buckthorn)

Grouping: Forest Invasive

ED/RR Action Code: 1

Current Distribution: Stage 2

Site Information

Habitat: Roadside

Population Size: 2-10 plant(s)

Eradication Status: Complete

Eradication Method: cut stump

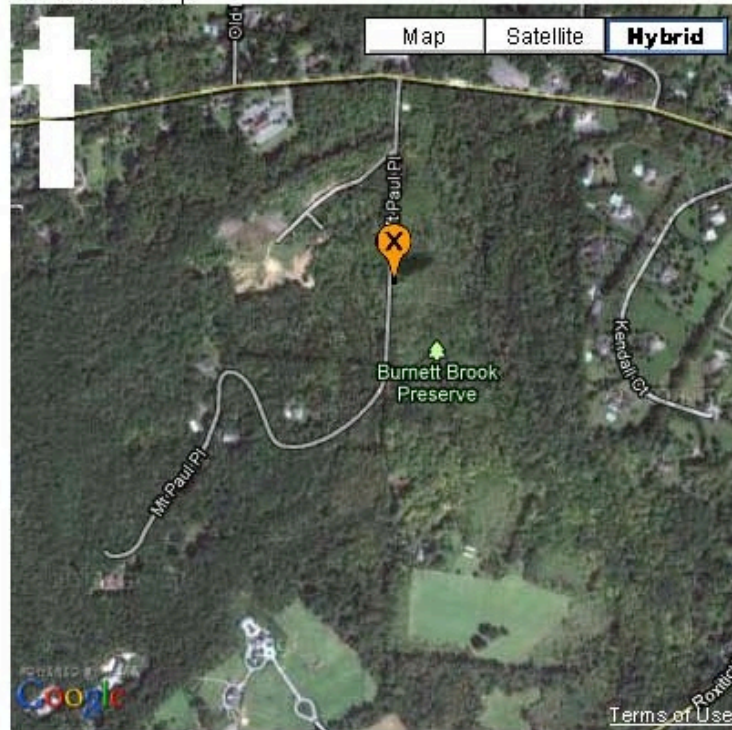
Method Type: Chemical & Mechanical Control

Additional Information

Images: [Forestry Images](#)

Learn more: [USDA Plants Database](#)

Overview Map



For more information contact:

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Outreach

How can land stewards and the public get involved?

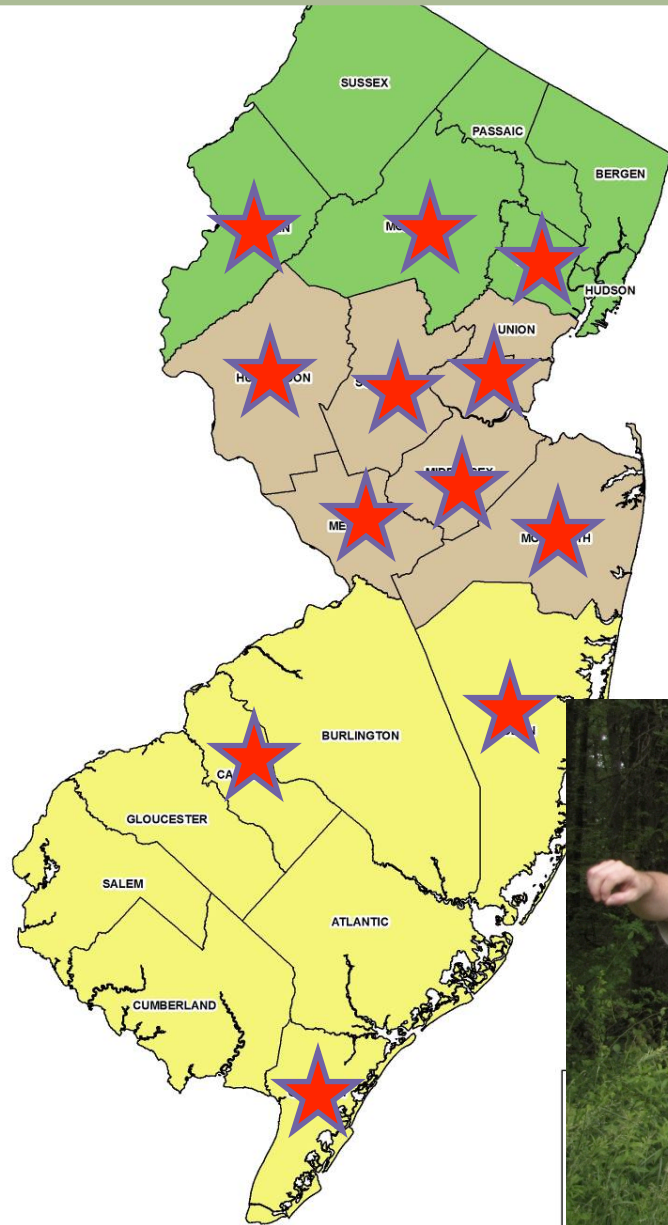
- Field work- searching, eradication
- Report invasive species
- Promote the Strike Team
- Outreach
- Technical support- GIS, website
- Fundraising/ grant partnerships
- Landscape decisions
- Shared trainings



Strike Team volunteers learn invasive plant ID and use of basic GPS units to assist in ED/RR surveys.

Become a member of the Strike Team!!

PARTNERSHIPS IN ACTION



Successes & Challenges

Challenges

- Funding
- Large project area
- Managing volunteers
- Statewide species list
- Database- errors, quality control
- Lots of driving
- Plant identification
- Herbicide

Successes

- Fundraising
- Crossing boundaries of preserves (over 100 partners engaged)
- Interest in topic
- Interactive Map
- Active eradication efforts
- Membership

Challenge & success= field stewards

2013:

- More in depth trainings
- Pair trainees with mentors
- Coordinate field work within regions
- Develop a web-based application for data submission
- Video podcasts for board training



Website Resources

www.njisst.org



Data recording & submittal sheets

Interactive species map

Target species lists & fact sheets

“Do NOT Plant” & “Watch” lists

Memorandum of understanding (for partners)

Google calendar of events & trainings



1



WIDESPREAD Invasive Plants

1. Garlic mustard
2. Japanese knotweed
3. Japanese barberry
4. Japanese stiltgrass
5. Lesser celandine
6. Multiflora rose

2



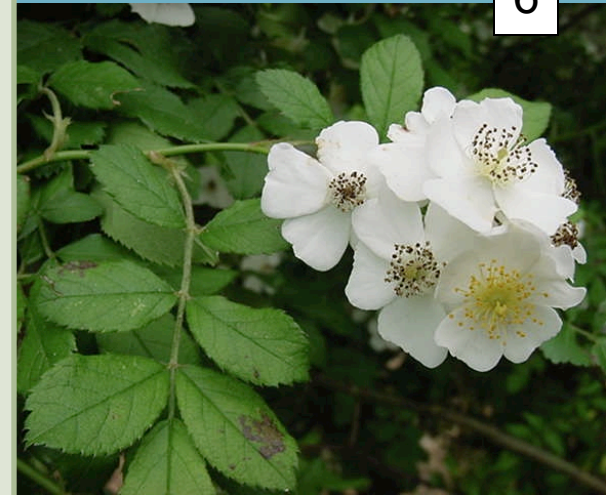
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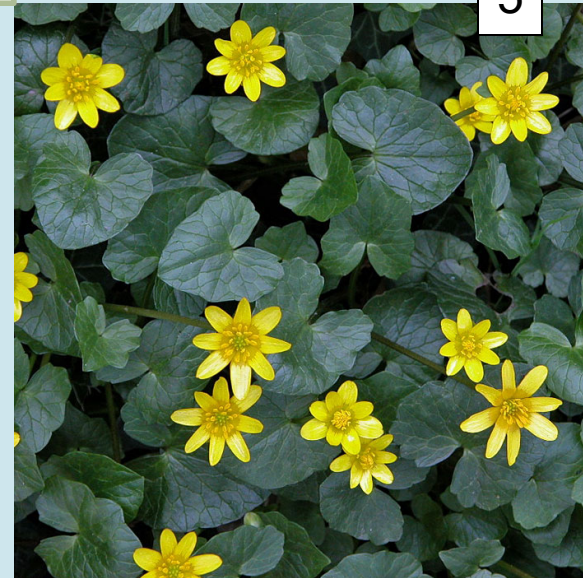
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6

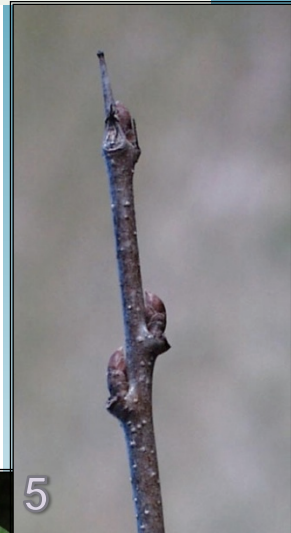


5



Highest Priority Emerging Invasive Plants in Forest Ecosystems

1. Oriental photinia, *Photinia villosa*
2. Japanese angelica tree, *Aralia elata*
3. linden viburnum, *Viburnum dilatatum*
4. Siebold's viburnum, *Viburnum sieboldii*
5. common buckthorn, *Rhamnus cathartica*



1



2



3



4



5



6



EMERGING Landscape
 Invasive Plants

1. Butterfly bush
2. Japanese/Chinese wisteria
3. Yellow iris
4. Callery pear
5. English ivy
6. Chinese silver grass

UGA0016161

UGA12370

Contact:

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Q&A?

