



VIRGINIA 2018 INVASIVE SPECIES MANAGEMENT PLAN

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DCR – Natural Heritage



Partners

- VA Dept. of Agriculture & Consumer Services
- Dept. of Wildlife Resources
- Dept. of Forestry
- Dept. of Conservation and Recreation
- VA Institute of Marine Sciences
- Virginia Tech
- Longwood University
- University of Richmond
- VA Native Plant Society
- The Nature Conservancy
- VA Nursery and Landscape Association
- Blue Ridge PRISM
- US Fish & Wildlife Service
- US Forest Service
- National Park Service
- Friends of the Rivers of Virginia

Goal 1: Cooperation



Goal 1: Cooperation

- *Coordinate state, federal, and stakeholder prevention and management of invasive species infestations.*

Goal 1: Cooperation

- Strategy 1.1. Strengthen invasive species coordination at the state level, between local and federal agencies, and with other stakeholders.

Goal 1: Cooperation

- Strategy 1.2. Identify potential legislation revisions to close potential gaps or reduce duplication.

Goal 1: Cooperation

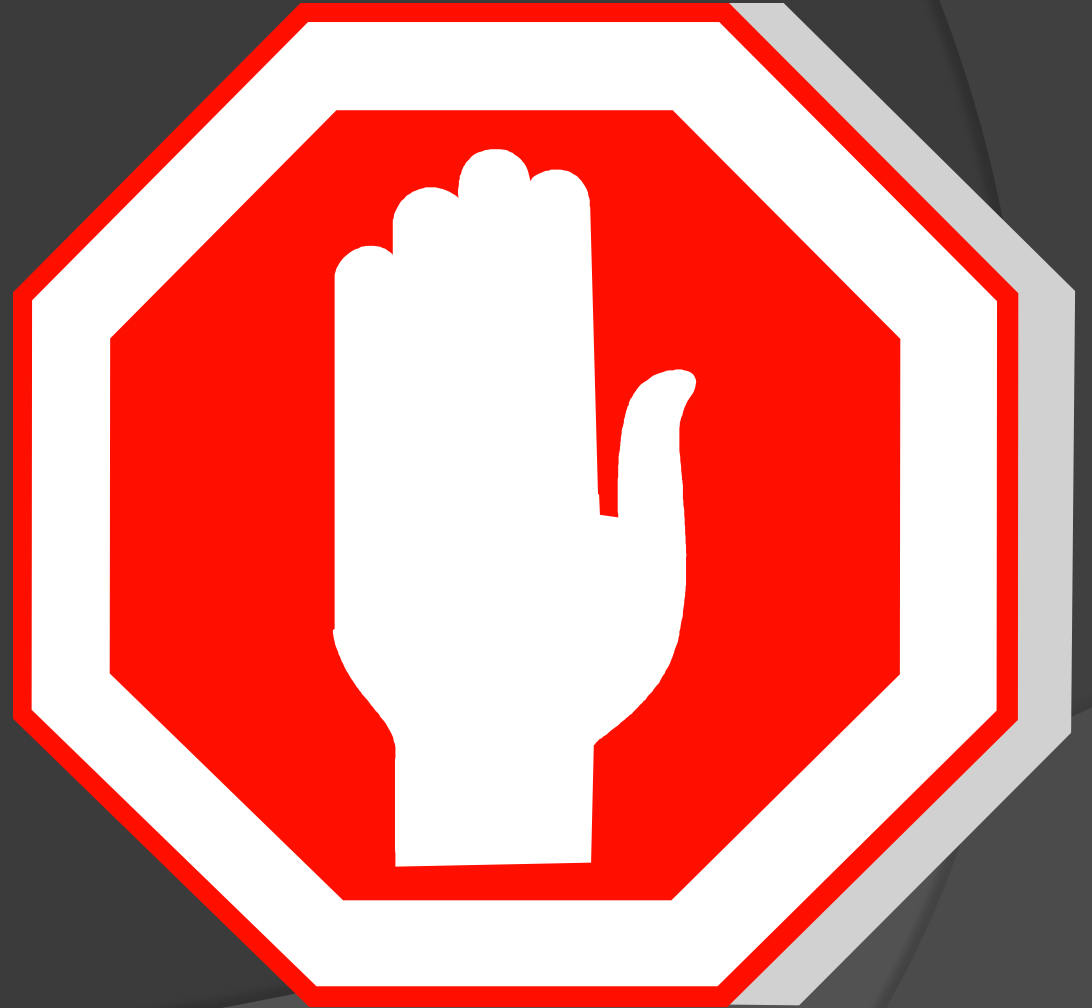
- Strategy 1.3. Establish monitoring and evaluation of Plan implementation.

Goal 1: Cooperation

⦿ Accomplishments:

- Virginia Invasive Species Management Plan
- Communication and cooperation of key staff and stakeholders
 - Giant Hogweed response
 - Noxious Weed Law and Regulation

Goal 2: Prevention



Goal 2: Prevention

- *Prevent known and potentially invasive species from entering the state through detecting and interrupting all unauthorized species introductions.*

Goal 2: Prevention

- Strategy 2.1. Identify, support, or conduct invasive species pathway analysis and prioritize pathways according to risk.

Goal 2: Prevention

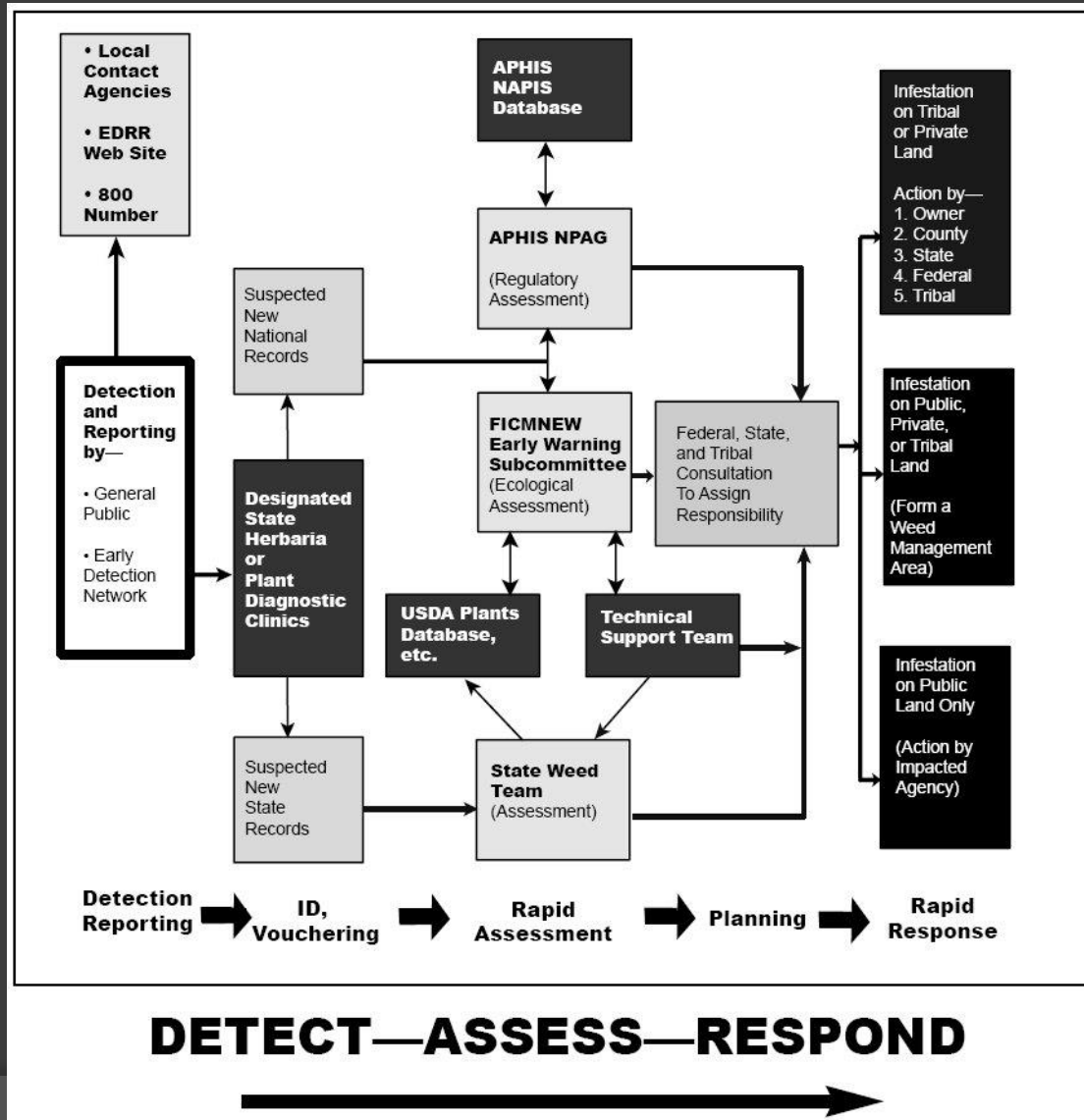
- Strategy 2.2. Develop and implement plans for managing both intentional and accidental high-risk pathways, working with existing regulatory authorities as appropriate.

Goal 2: Prevention

⦿ Accomplishments:

- Ongoing collaboration and cooperation with federal agencies such as USDA and FWS and state agencies VDACS and DWR
- Invasive Plant Work Group

Goal 3: Early Detection



Goal 3: Early Detection

- Strategy 3.1. Enhance the likelihood of early detection and reporting of suspected new species by supporting volunteers and professionals with information and tools designed to detect and report invasive species of high concern.

Goal 3: Early Detection

- Strategy 3.2. Ensure the timely identification and reporting of newly introduced species.

Goal 3: Early Detection

⦿ Accomplishments:

- Education & media
 - Fact sheets, web pages, presentations, & workshops
- Informed network of key staff:
 - Zebra mussels in aquarium product

Goal 4: Rapid Response



Goal 4: Rapid Response

- *Goal 4. Enhance rapid-response capability to implement eradication or containment procedures for target species through planning.*

Goal 4: Rapid Response

- ◎ Strategy 4.1. Develop contingency/emergency response plans for potential invasive species of high concern most likely to be introduced.
 - The Pest Plant Emergency Action Plan prepared by the VDACS Office of Pest Plant Industry Services provides a model for such plans.

Goal 4: Rapid Response

- Strategy 4.2. Identify available funds or funding sources for rapid-response implementation and assess needs for more funding authority.

Goal 4: Rapid Response

- Strategy 4.3. Encourage interagency and public–private partnerships for successful rapid-response operations.

Goal 4: Rapid Response

- Strategy 4.4. Facilitate media coverage of rapid-response actions.

Goal 4: Rapid Response

- Strategy 4.5. When early detection identifies an invasive species of high concern for which no plan has been prepared, conduct rapid assessment.

Goal 4: Rapid Response

⦿ Accomplishments:

- Spotted lanternfly
- Nutria
- Two-horned Water Chestnut response???

Goal 5: Management



Goal 5: Management

- *Goal 5. Provide control of priority invasive species through containment, abatement, or other management strategies—including habitat restoration and use of native species—to minimize environmental and economic impacts.*

Goal 5: Management

- Strategy 5.1: Prepare and implement management plans for abating environmental and economic impacts of established high-priority invasive-species infestations.

Goal 5: Management

- Strategy 5.2. Develop programs and information and establish funding to assist private landowners in control of invasive species.

Goal 5: Management

- Strategy 5.3. Encourage and support the formation of PRISMs/CWMAs.

Goal 5: Management

⦿ Accomplishments:

- USDA-APHIS and DWR Feral swine program
- Blue Ridge Partnership for Regional Invasive Species Management (PRISM)
- DOF emerald ash borer cost-share program

Goal 6: Research



Goal 6: Research

- *Goal 6. Support or conduct research, monitoring, and risk assessment needed to assess, prioritize, and control invasive species.*

Goal 6: Research

- Strategy 6.1. Building on existing state, federal, and university programs, establish and coordinate a state invasive species research network. This network will develop and collaborate on long- and short-term research capacity and will communicate invasive species research needs to other institutions.

Goal 6: Research

- Strategy 6.2. Increase invasive-species risk-assessment capacity.

Goal 6: Research

⦿ Accomplishments:

- Noxious Weed Risk Assessment, web tool, and trained assessors
- Invasive species research at VT, VIMS, UR, UVA, George Mason, Longwood, and VCU

Goal 7: Education

COMING SOON TO A NATURAL AREA NEAR YOU

INVASION of the HABITAT SNATCHERS



INVASIVE SPECIES are non-native plants, animals and pathogens that can harm ecosystems and human health. In places where these species already are established, they also cause millions of dollars in economic damage. THE VIRGINIA INVASIVE SPECIES WORKING GROUP needs your help to stop the spread of new invaders that are on the horizon.

Species shown in photo frames:
- TREE SPIDER
- TREE WOOD WASP
- TERRA MISSILE
- IMPORTED FIRE ANT
- BROWN BIGHT
- CRANE FLUTTERBY
- EMERALD ASH BORER
- PHOENIX FISH
- SNAKE HEAD FISH
- DIRTY CORNISH
- BABA WHELK
- JAPANESE TORILIS

LEARN MORE AT:
WWW.VAINVASIVESPECIES.ORG



Goal 7: Education

- *Goal 7. Provide current information on invasive species, their negative impacts to environmental and economic resources, and methods of their prevention and control to the general public, environmental nongovernmental organization, special interest groups and K–12 science teachers.*

Goal 7: Education

- Strategy 7.1. Develop and implement a coordinated public-awareness campaign emphasizing public and private partnerships for addressing invasive species challenges.

Goal 7: Education

- Strategy 7.2. Work with conservation and professional societies and gardening associations to guide awareness and capacity for education and outreach.

Goal 7: Education

- Strategy 7.3. Create and deliver training programs for presentation by professionals and volunteers on identifying, mapping, and reporting invasive species occurrences.

Goal 7: Education

- Strategy 7.4. Invite targeted members of the public to participate or assist in an invasive species risk assessment.

Goal 7: Education

⦿ Accomplishments:

- Virginia Master Naturalists, Blue Ridge PRISM, DCR, and EDDMapS collaborating on a “Train the Trainer” program



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