

What's the motivation for this policy analysis?

Deep concern for Maine's ecology and economy

Currently the disparate federal, state, local, non-profit and private programs are not able to address the invasive species onslaught of the 21st century

This is NOT about empire building

We are not prepared financially or with human adequate resources to rapidly respond to a new infestation which might be eradicated

Efforts to address invasive species are generally more efficient and cost effective the earlier they are implemented in the invasion process (Leung et al. 2002)

Why an invasive species council

 The Council would provide a forum through which multiple state agencies and nongovernmental entities meet with a common purpose to identify invasive species of concern that threaten the State's economic, natural and agricultural resources

The Council would:

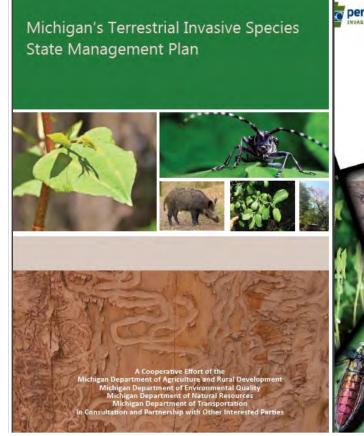
- Develop and implement a comprehensive state invasive species management plan
- 2. Provide guidance on prevention, control, and rapid response initiatives
- 3. Facilitate coordination among federal, regional, state, and local efforts

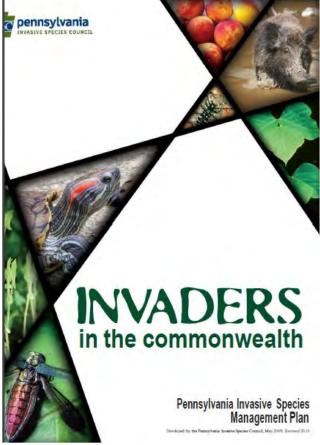


A Minnesota
State Management Plan
for
Invasive Species

This plan was developed by a workgroup of the Minnesota Invasive Species Advisory Council and revised based upon input gathered at a stakeholder workshop, a public review period, a Tribal meeting and review, MISAC member review, and other input.

October 20, 2009







NEW YORK STATE INVASIVE SPECIES COMPREHENSIVE MANAGEMENT PLAN

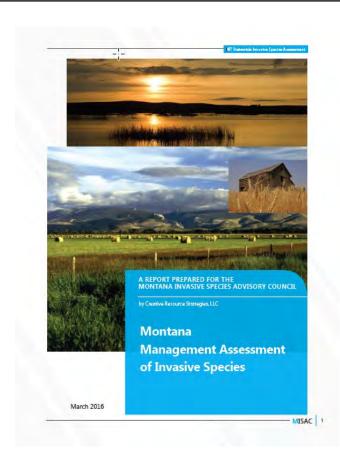
FINAL November 2018



Have other states done this?

An assortment of plans exist... some old some new.

Have other states done this?



A STATEWIDE MANAGEMENT ASSESSMENT OF INVASIVE SPECIES IN OREGON

February 2010



Prepared for the Oregon Invasive Species Council by:

Creative Resource Strategies, LLC Salem, Oregon



State of Maine Action Plan For Managing Invasive Aquatic Species







Adopted by the Land and Water Resources Council

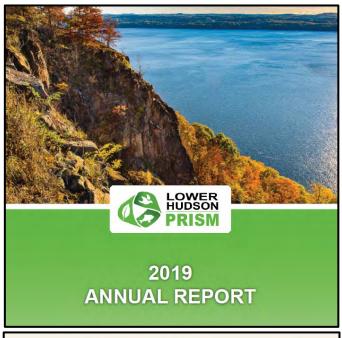
And the Interagency Task Force On Invasive Aquatic Plants and Nuisance Species

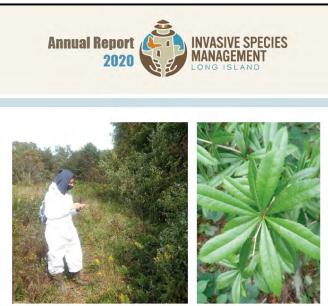
October 10, 2002

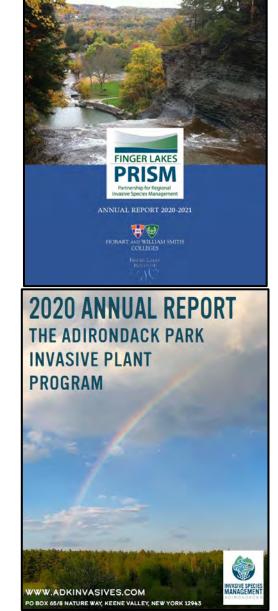
Maine has one 20-year-old aquatic invasive species plan

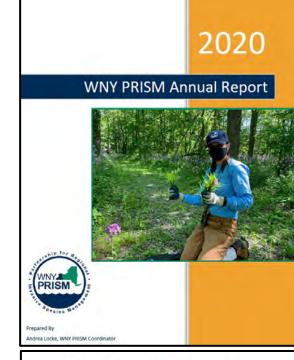
Annual Report CAPITAL/MOHAWK PRISM Partnership for Regional Invasive Species Management 2018 ANNUAL REPORT

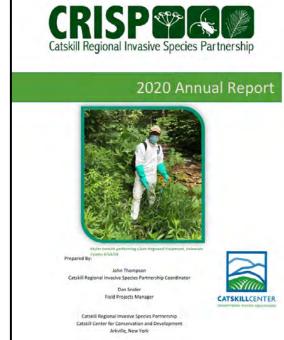
What are PRISMs?











NY State ISC Coordinator – Thomas Allgaier

Yes, the ISC has greatly improved inter-agency cooperation and allows for better use of limited resources and coordination of outreach on IS issues.

The PRISM's have augmented the state agencies' staff to survey and respond to IS issues. including:

- outreach,
- trapping,
- visual survey,
- data collection,
- treatment,
- · detector dogs, and
- · acquiring additional federal funding.



Invasive Species Advisory Council – Potential Members

Government Members

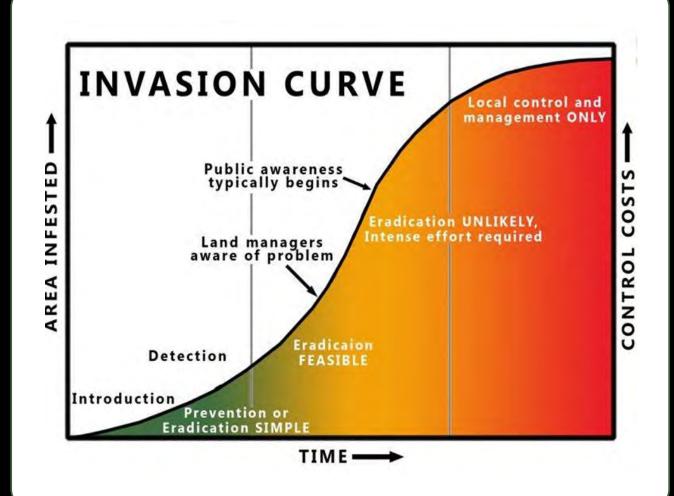
- Maine Department of Agriculture,Conservation & Forestry
- •Maine Department of Marine Resources
- Maine Department of Environmental Protection
- Maine Department of Inland Fisheries & Wildlife
- •Maine Department of Transportation
- •Maine CDC
- Maine Association of ConservationDistricts or Conservation Commissions

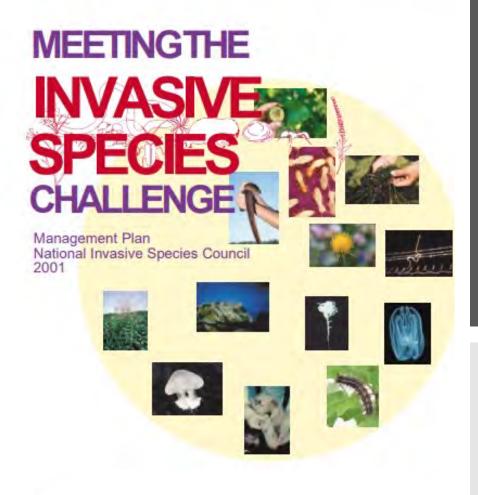
- NGO/Industry Members
 - Maine Audubon
 - ■The Nature Conservancy
 - Maine Forest Products Council
 - ■Maine Woodlands
 - Maine Invasive Species Network
 - Tribal Governments
 - Native Plant Trust/Wild Seed Project
 - •Maine Landscape and Nursery

Association

- •Maine Lakes
- •University of Maine Climate Center

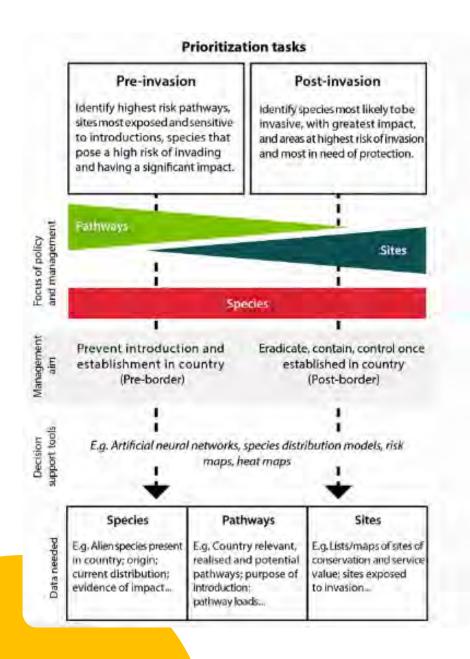
Establish a rapidresponse fund





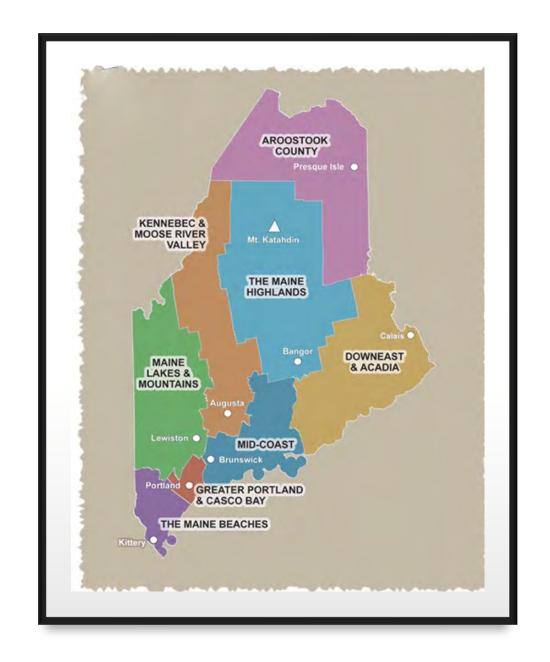
Major Goal

Develop a 5-year comprehensive, multi-taxa invasive species management plan



- Better understanding of species' risk and prioritization of management decisions
 - Utilize risk assessments or conduct new evaluations to prioritize non-native invasive species
 - Establish and prioritize:
 - a) a list of invasive species not present in Maine and that should be prevented from entry, and
 - b) a list of invasive species with occurrences in Maine and for which the prevention of expansion or establishment is intended
 - List these species on the Invasive Species Advisory Council website and communicate them to lawmakers, program managers, and the public

Develop Regional Invasive Species Management Partnerships





Improve outreach and education on all invasive species taxa



Should Maine Develop a More Comprehensive Approach to Invasive Species Management?

A 2022 Survey of Likely Invasive Species Managers in Maine and Policy Recommendations to Strengthen Maine's Resilience to Invasive Species

Gary Fish

Capstone paper for Master of Policy, Planning, and Management Program Muskie School of Public Service University of Southern Maine

> December 2022 Professor Yuseung Kim, Capstone Advisor



Recent invasive species survey

Quick Summary

Quick survey summary

- This paper analyzes the status of Maine's public and private invasive species management efforts and attempts to answer the question, "Should Maine develop a more comprehensive approach to invasive species management?"
- 197 respondents (sent to approximately 600 IS representatives)
- Top 3 impediments to effective IS management
 - Public knowledge
 - Funding
 - Staffing



Summary Continued

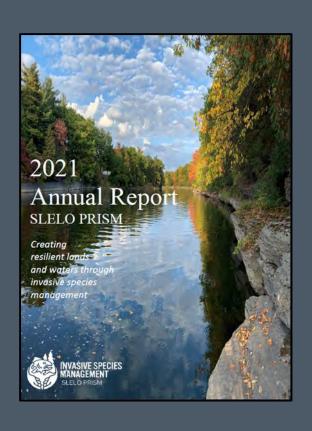


Britt Slattery, US FW

- Top regional species of concern
 - •Invasive terrestrial plants
 - Forest insects
 - •Invasive aquatic plants
 - Ticks

- Species currently managed or of concern
 - •9 Invasive terrestrial plants
 - 3 invasive aquatic plants
 - 3 forest insects

Summary Continued



- Suggestions for improvement
 - Increased funding
 - Education & Outreach
 - Agency coordination & partnerships
 - Increased staffing
- Alternative policy models suggested
 - Partnerships like New York PRISMs
 - Contingency plans
 - Rapid response teams
 - Landowner cost-share programs

Summary Continued



Staffing and budgets

- ■Total staffing for all organizations 120 FTE
- ■Total budgets for all organizations \$3.2 million
- Lake associations employ the most staff and have the largest collective budgets
- Followed by
 - State agencies
 - Forestry organizations
 - National parks & lands
 - Land trusts

•Numbers do not include all state agency staff or budgets

Summary Continued

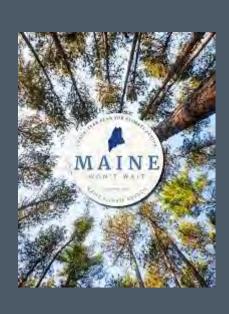






- Current invasive aquatic plant management programs provide a good example
 - Strong partnerships
 - Consistent funding from the "milfoil sticker"
 - Interagency task force
 - Rapid response capabilities
 - Strong feedback loop to the legislature

Summary Continued



- Strengthening resiliency
 - Doing nothing seems imprudent
 - Develop ongoing, dedicated funding sources
 - •Add state agency staff to continue this research (Senior Planner?)
 - •Add an ISAC reporting to the Governor's Office
 - •Add IS management liaison positions at DACF, IF&W, DEP, DHHS, MDOT and DMR

Summary Continued





- Conclusions
 - Consider new legislation like MA and PA
 - Put aside a robust rapid response fund
 - Develop partnerships (PRISMs or CISMAs?)
 - Increase funding, staffing, outreach
 - Improve coordination with abutting landowners

Pennsylvanians struggle to fight invasive species, as experts push for a regional approach



A quick look at the Michigan experience

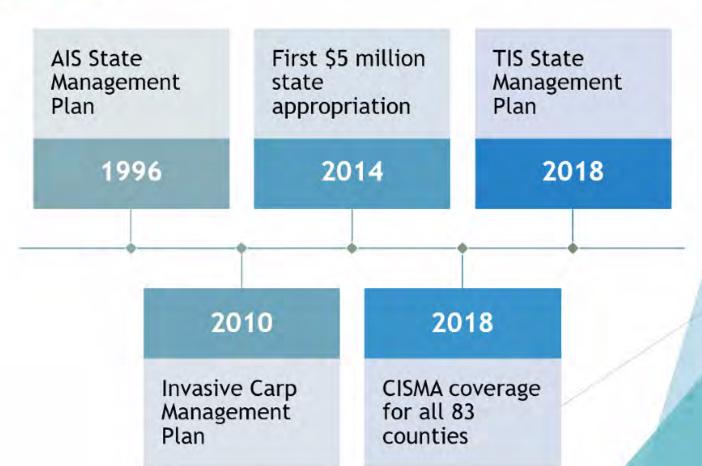
These slides are courtesy of:

Joanne Foreman Communications Coordinator Invasive Species Program - DNR, EGLE, MDARD





MISP Milestones



Key program elements



Looking ahead

Where we are:

- Clearer picture of statewide scope of invasive species.
- Prioritizing management of established species in high-priority areas.
- Working on leading edges of recent invaders.
- Educating about prevention measures.

Things to consider:

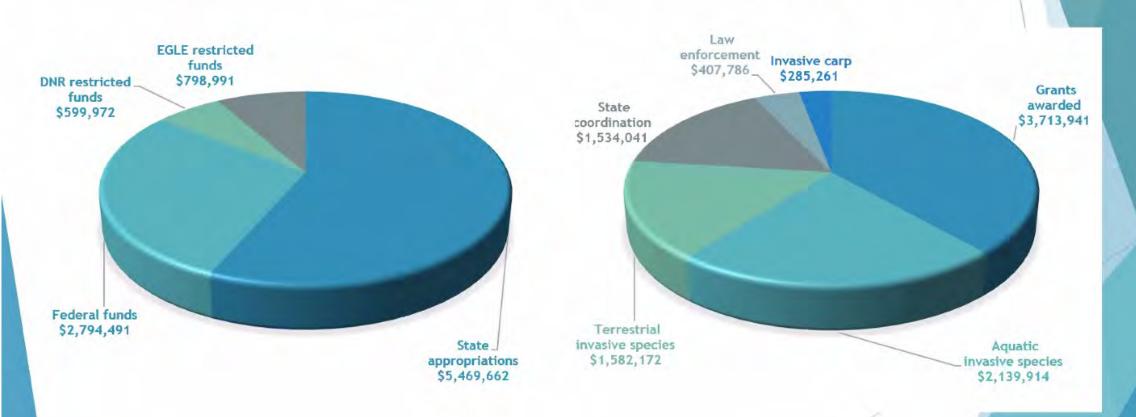
- Response efforts are multi-year.
- 8 new invaders since 2015.
- Each new arrival compounds response needs.
- Heavy reliance on federal and nonprogram funds.

2022 MISP Budget: \$9,663,116

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Funding by source

Expenditures by program area



2022 Michigan IS funded grants

- 35 projects funded
- Funding ranges from \$400,000 -\$30,000
- Projects include everything from monitoring, survey, outreach, policy analysis, and control
- Projects funded for all taxa groups as well



Governor Whitmer's 2024 Budget Proposal

- \$6.1 million in ongoing funds.
 - Reduce reliance on federal funds and annual grants for strategic early responses.
 - Support invasive species response teams for CISMAs and state land management.
 - Promote prevention through outreach and enforcement.
- \$5.7 million one-time funding.
 - \$5 million to Invasive Species Response Fund for immediate response to new invasive species.
 - \$0.7 million for equipment.

Keys to a successful early detection and response initiative for watchlist species



DEDICATED STAFF



CONSISTENT FUNDING



PARTNER NETWORK



PUBLIC PARTICIPATION



RESEARCH AND TOOLS



COMMUNICATION



SUSTAINED EFFORT

QR for link to the full Capstone Paper and Executive Summary

