

Invasive Species & Native Pests

Presented to the Colorado Parks & Wildlife Commission 1/14/2021



**LIVE LIFE
OUTSIDE**

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Policy B-300

Policy No. B-300

SUBJECT: NOXIOUS PESTS

Approved July 20, 1990

I. PURPOSE

The purpose of this policy is to identify the Colorado Board of Parks and Outdoor Recreation's position on natural resource management.

II. POLICY

WHEREAS, the Colorado Board of Parks and Outdoor Recreation is dedicated to the preservation of the natural resources of the State Park system; and

WHEREAS, the Division is expected to practice good land management procedures; and


WHEREAS, there is a presumption that infestation of noxious pests are cyclical in nature and tend to be controlled by inherent existing ecological conditions; and

WHEREAS, it is recognized that certain of these natural processes may have been interrupted by human activities.

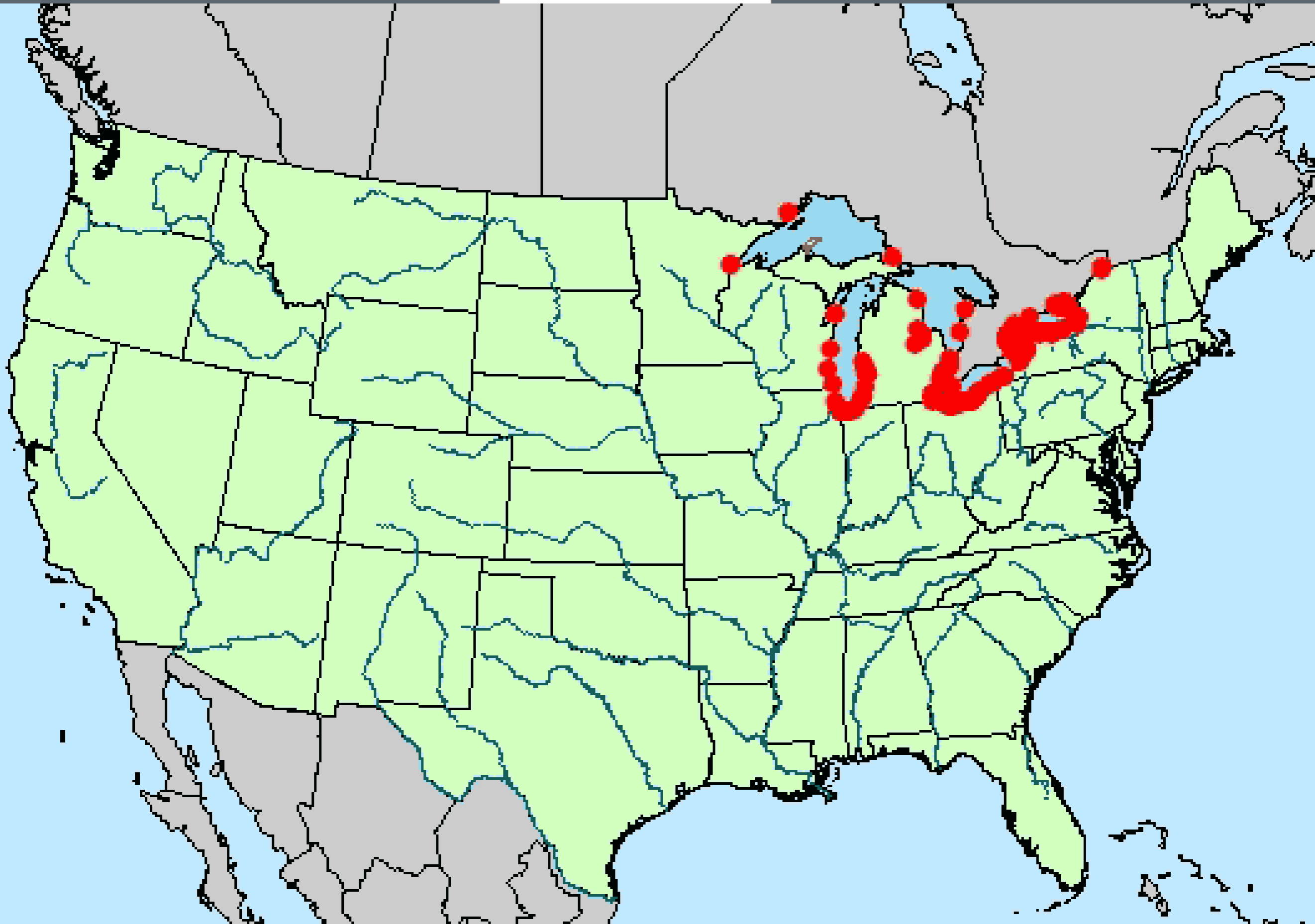
NOW THEREFORE, it is the policy of the Colorado Board of Parks and Outdoor Recreation to let nature take its course, except where control of injurious plants and animals (noxious pests) are dictated by statute, or in intensive use areas where maintenance of existing vegetation is essential and cost effective.

Policy No. B-300 is approved this 20th day of July

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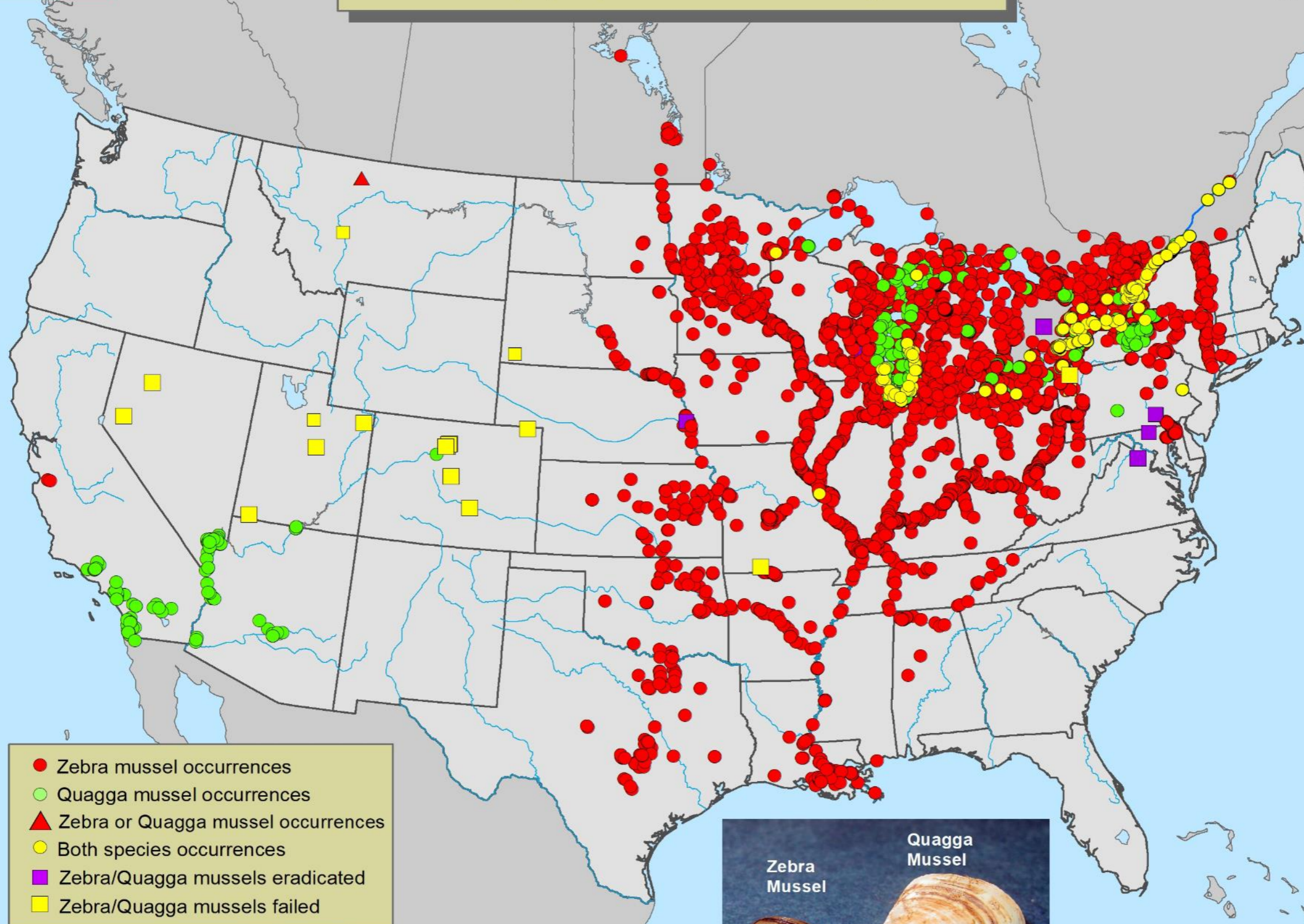

Patricia B. McClearn
Parks Board Chairwoman

1990



Zebra and Quagga Mussel Sightings Distribution

Dreissena polymorpha and *D. rostriformis bugensis*



- Zebra mussel occurrences
- Quagga mussel occurrences
- ▲ Zebra or Quagga mussel occurrences
- Both species occurrences
- Zebra/Quagga mussels eradicated
- Zebra/Quagga mussels failed



Map produced by the U.S. Geological Survey
Nonindigenous Aquatic Species Database, August 6, 2020.

Purpose

The Colorado Parks and Wildlife Commission recognizes the agency's responsibility to prevent and manage invasive species and native pests for the purpose of conserving natural resources, wildlife species and habitats, and providing outdoor recreational opportunities.

Eurasian watermilfoil at
Pueblo Reservoir

Native Pests

Species native to Colorado that have traits that are detrimental to effective resource management and/or the identified management purpose of the property.

Native pests may be managed when control is specified in lease or management agreement, or they are creating significant human health and/or safety concerns, threatening to reduce the biological diversity of the property, impairing the integrity of infrastructure, and/or where these species impact the identified management purpose and use of the property.



Invasive Species

Noxious weeds, aquatic nuisance species invasive wildlife or other biological organism that are not native to Colorado and are known to cause or are likely to cause harm to natural resources or the human benefits derived from those resources.

Invasive Species Cost the United States More than 120 Billion in damages every year (Pimental et al. 2005)

Invasive Species are the second largest threat to biodiversity after habitat loss.



New Zealand Mudsnail



Myrtle Spurge



Purple Loosestrife



Eurasian watermilfoil

Existing Authorities



C.R.S. § 33-10.5
State of Colorado ANS Act

C.R.S. § 35-5.5-110
The Colorado Noxious Weed Act

CPW
Parks Chapter 8 Regulations

C.R.S. § 35-4-101-116
The Colorado Noxious Weed List

Management Actions



Proactive prevention action and policies will be implemented as the primary method of integrated pest management (e.g. promotion of native vegetation, educational signage, watercraft inspection and decontamination, wader/boot cleaning stations, etc.).



Aggressive containment, control and treatment using integrated methods such as mechanical, biological, physical, cultural and chemical control methods.



Using re-vegetation or restoration efforts coupled with invasive species treatments to improve competition by native species.



Eldorado Canyon State Park

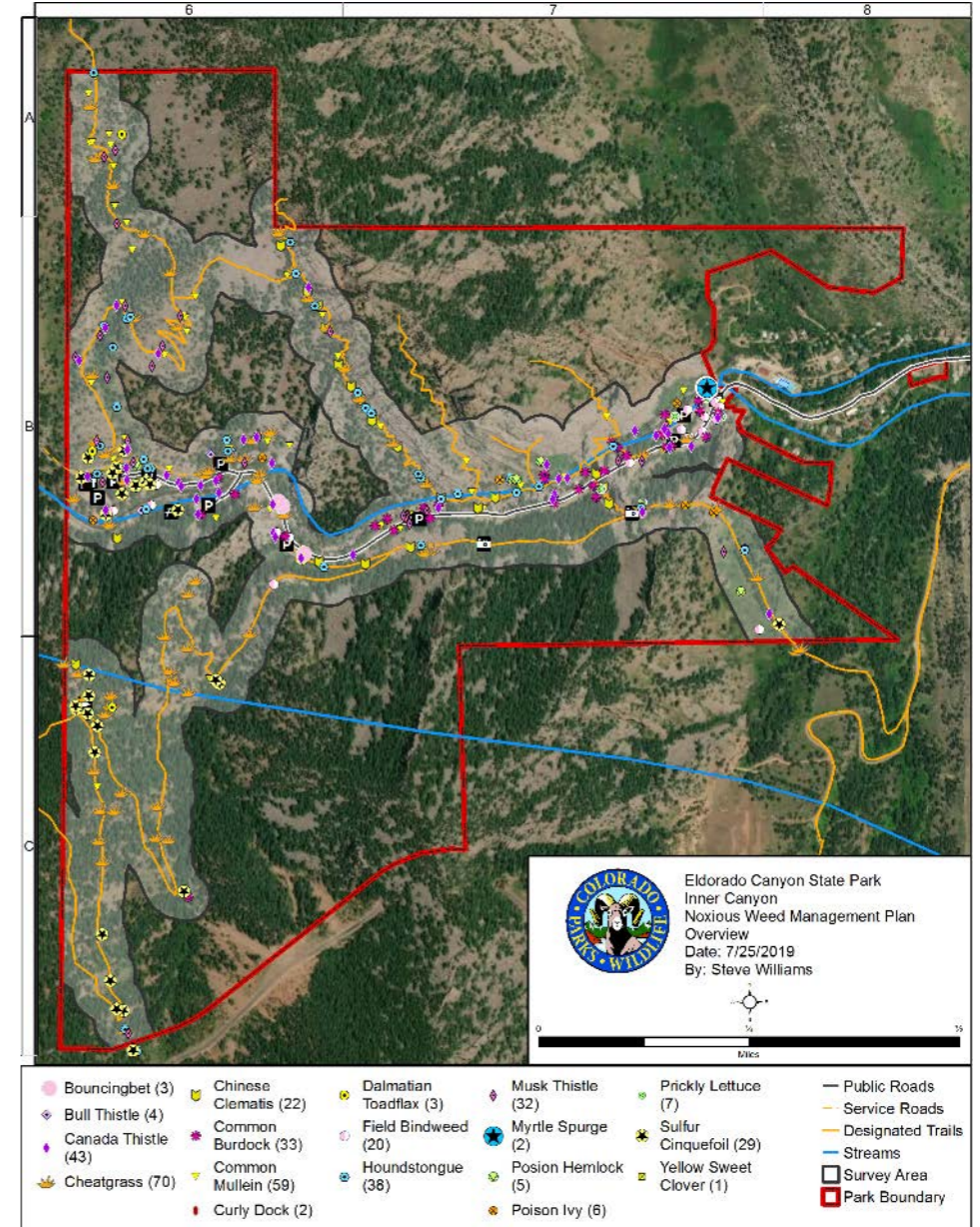
Integrated Noxious Weed Management Plan 2019



Prepared by: CPW Resource Stewardship Program

Invasive Species Management Plans

Invasive species management plans are a fundamental component of property management plans



State of Colorado Aquatic Nuisance Species Management Plan



Invasive Species Program



Invasive Species Management Plans

State of Colorado
Zebra and Quagga Mussel
Management Plan



Original Version - January 2010
Updated - December 2019

State of Colorado
New Zealand Mudsnail
Management Plan



Original Final - December 2005
Revised - December 27, 2019

State of Colorado
Rusty Crayfish
Management Plan



Current Status and Recommended Management Actions



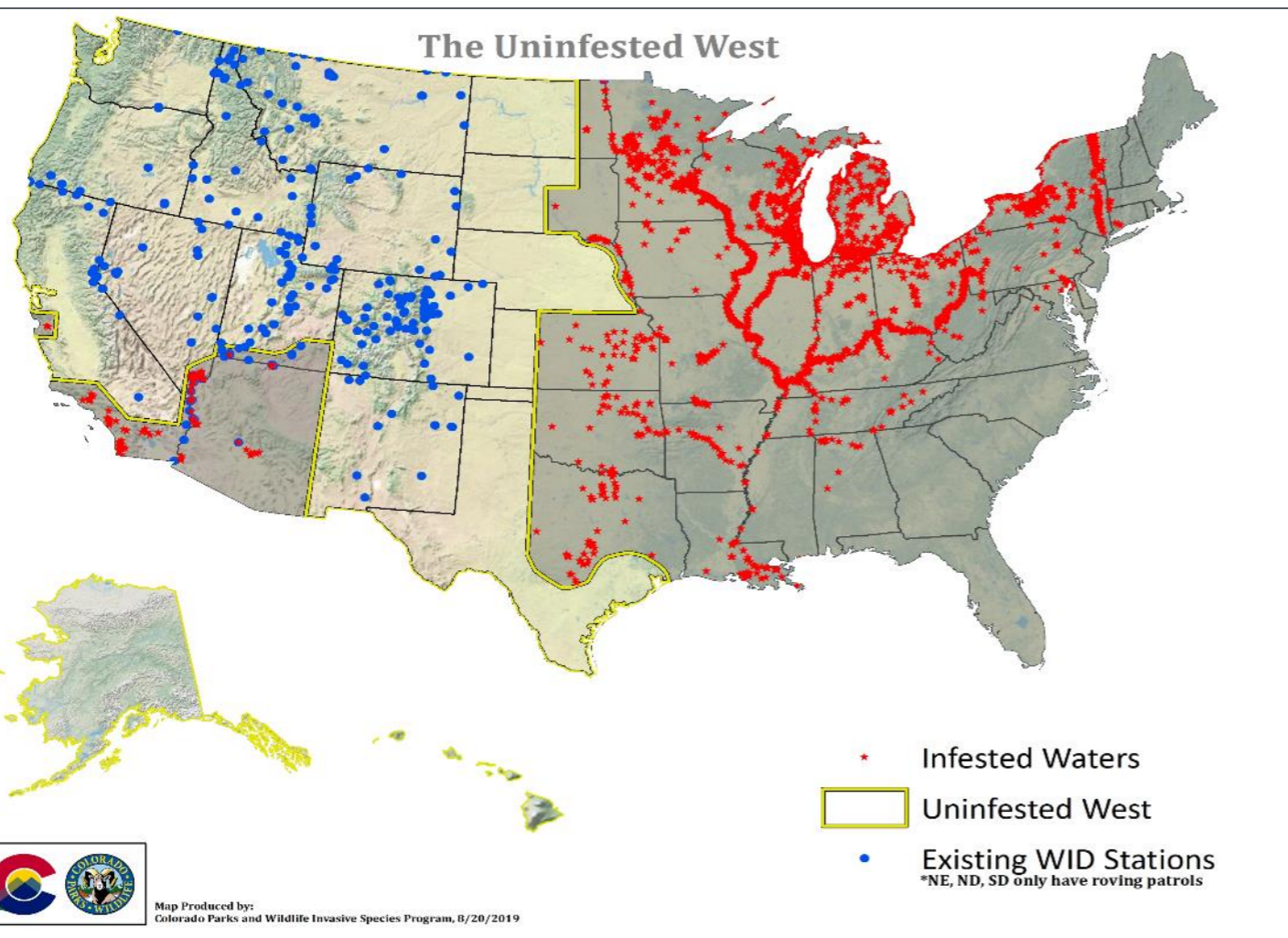
First Draft - September 2009
Last Updated - December 27, 2019

Policy Statement

The Colorado Parks and Wildlife Commission is dedicated to prevention and management of invasive species and native pests to eliminate and reduce their impacts on the natural resources within Colorado Parks and Wildlife (CPW) properties and surrounding areas. The Commission expects CPW to practice land management procedures at or above industry standards and acknowledges that managing infestations of invasive species is a priority to protect Colorado's native ecosystems and recreational experiences.

It is the policy of the Commission that invasive species will be actively managed on CPW properties to protect native habitats, ecosystems and the identified management purposes of the properties.

Native pests may be managed when control is specified in lease or management agreement, or they are creating significant human health and/or safety concerns, threatening to reduce the biological diversity of the property, impairing the integrity of infrastructure, and/or where these species impact the identified management purpose and use of the property.



Questions?



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