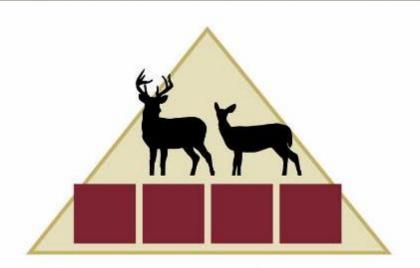
DEER MANAGEMENT, FOREST MANAGEMENT & COOPERATIVES

Anna Mitterling, Wildlife Cooperative Coordinator, MUCC

and an aller

WILDLIFE AND FORESTRY MIX



HERD MANAGEMENT HABITAT MANAGEMENT HUNTER MANAGEMENT HERD MONITORING

1. HERD MANAGEMENT

Antlerless deer:

- how many per year, per person, per area?
- where which areas of property?
- when all season, late season only?
- which ones all ages or adults only?
- penalties for harvesting button bucks?

Antlered bucks:

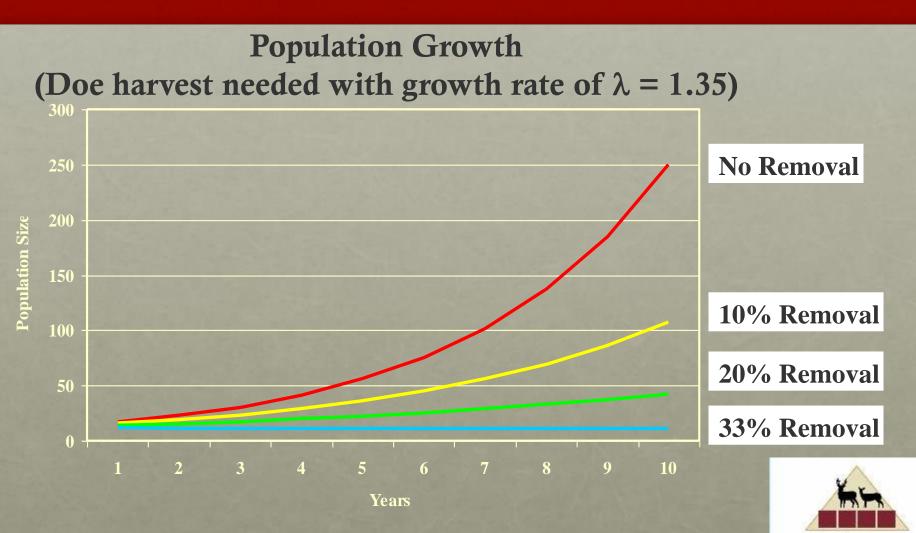
- buck harvest restrictions (age, spread, score)
- management buck guidelines
- guest policies

Make goals and guidelines specific and realistic!



HERD MANAGEMENT HABITAT MANAGEMENT HUNTER MANAGEMENT HERD MONITORING

HOW MANY IS THE RIGHT AMOUNT?





HERD MANAGEMENT HABITAT MANAGEMENT HUNTER MANAGEMENT HERD MONITORING

2. HABITAT MANAGEMENT

Natural habitat:

- determine % of property in each habitat type
- prioritize and schedule management activities
- develop timber management plan

Food plots:

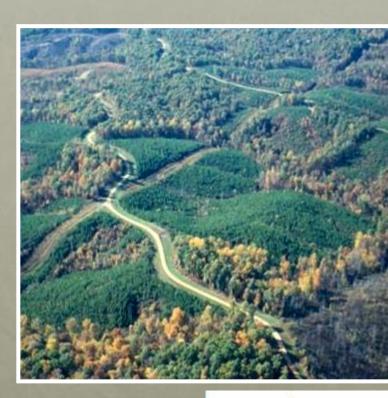
- determine necessary food plot acreage & distribution
- develop annual/perennial and crop rotation plans



HERD MANAGEMENT HABITAT MANAGEMENT HUNTER MANAGEMENT HERD MONITORING

HABITAT MANAGEMENT - THE BASICS

- Provide a diversity of stand types (species composition)
 - Pine
 - Hardwood
 - Open/Field
- Provide a diversity of age classes
- Smaller is generally better; higher diversity of age classes is better
- Habitats well interspersed





HERD MANAGEMENT HABITAT MANAGEMENT HUNTER MANAGEMENT HERD MONITORING

A DEER'S DIET



Hard Mast Species Soft Mast Species Forbs Vines & Shru Hardwoods **Browse** Softwood Brow

Childraickello,n& ER Quiahiportatrition



DEER PREFERENCE



High Preference

- Yellow birch
- Sugar maple
- Red maple
- Sumac
- Red-osier dogwood
- Nannyberry
- White cedar
- White pine

Mid Preference

- Ash
- Oaks
- Aspens
- White birch
- Witch hazel
- Jack pine
- Eastern hemlock

Low Preference

- Beech
- Willow
- Cottonwood
- Hickories
- Spruces
- Balsam fir
- Red pine

3. HUNTER MANAGEMENT

- Neighborhood landowners and hunters:
 - should attempt to form a QDM cooperative
 - continue to inform and encourage regardless of initial resistance
 - creating goals and objectives for group
 - establish guidelines
 - collect data \rightarrow create harvest goals





4. HERD MONITORING

• Herd condition: (from harvested deer)

- harvest data (age, weight, antlers)
- reproductive info (lactation, conception date)
- Herd structure: (from live deer, generally with game cameras or observation data)
 - density, sex ratio, & age structure,
 - harvest expectations (shoot, don't shoot list)
- Habitat Impacts:
 - Deer Browse Impacts Survey



HERD MONITORING

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HERD MANAGEMENT HABITAT MANAGEMENT HUNTER MANAGEMENT HERD MONITORING

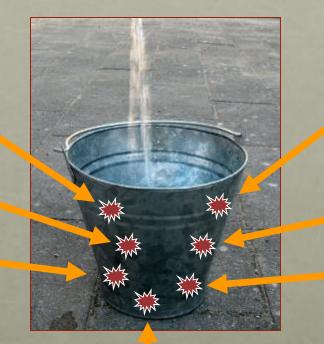
WHERE TO START?

"Plug the Lowest Hole in the Bucket!"

Unbalanced sex ratio

Uncooperative neighbors

Lack of early successional habitat



High predator or competitor pops. Young buck age structure Poor nutrition

Too many deer

WILDLIFE COOPERATIVES



WHAT IS A WILDLIFE COOPERATIVE?

Like-minded landowners and hunters working together to improve their wildlife quality and hunting experience.



THE HISTORY

2008 - Statewide deer management planning
2010 - Started research on deer cooperatives
2013 - Presented findings of research
2015 - Michigan Wildlife Cooperatives

MICHIGAN DEER MANAGEMENT PLAN



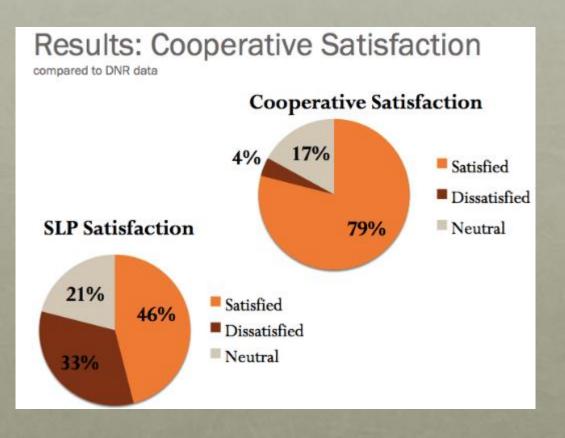
DEER COOPERATIVE RESEARCH OBJECTIVES

- To understand if social networks within deer cooperatives influence individual doe harvest behavior
- To understand satisfaction changes between current satisfaction levels and those prior to joining a cooperative among deer cooperative members



DEER COOPERATIVE RESEARCH FINDINGS

- Influence on doe harvest
- Satisfaction with overall hunting experience
- Satisfaction with cooperative experience
 - Fitness



MICHIGAN WILDLIFE COOPERATIVES

Mission:

To create, implement, and maintain a program that fosters and supports wildlife cooperatives of private landowners around the state to create and maintain improved habitat for area wildlife



MICHIGAN WILDLIFE COOPERATIVES

Core Values:

- Collaboration with other groups/organizations/agencies
- Improved hunter satisfaction
- Improved wildlife habitat



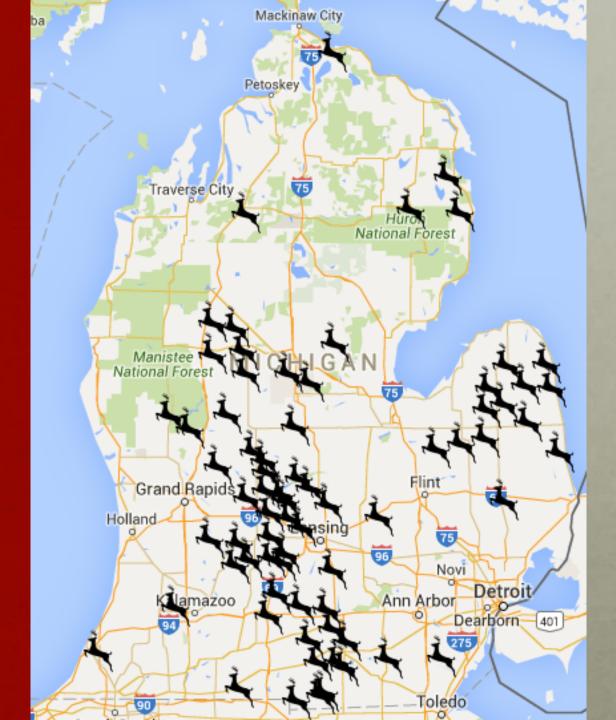
MICHIGAN WILDLIFE COOPERATIVES

Goals:

- 1. Promoting wildlife cooperatives
- 2. Creating a network of processionals to assists in the implementation and expansion of wildlife cooperatives
- Assisting in organizing habitat improvement projects within wildlife cooperative properties and nearby/adjacent public lands



MICHIGAN DEER OOPERATIVES



PARCEL VS. LANDSCAPE MANAGEMENT



- Harvest Management
- Data Collection
- Habitat
 Collaboration

COOPERATIVES & FORESTRY

- Questions about working with cooperatives?
- Benefits of working with cooperatives?
- How can cooperatives prepare to work with a forester?
- Challenges working with cooperatives?

THANKS!

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