

# CDAC Charter

- Gather public opinion on deer populations goals, antlerless quotas, & season options
- Review & consider metrics on deer herd trends, impacts and human interactions
- Provide DNR with recommendations on deer populations, antlerless quotas and permit levels, and season options.



# Setting the 2022 Deer Seasons

## Monroe County

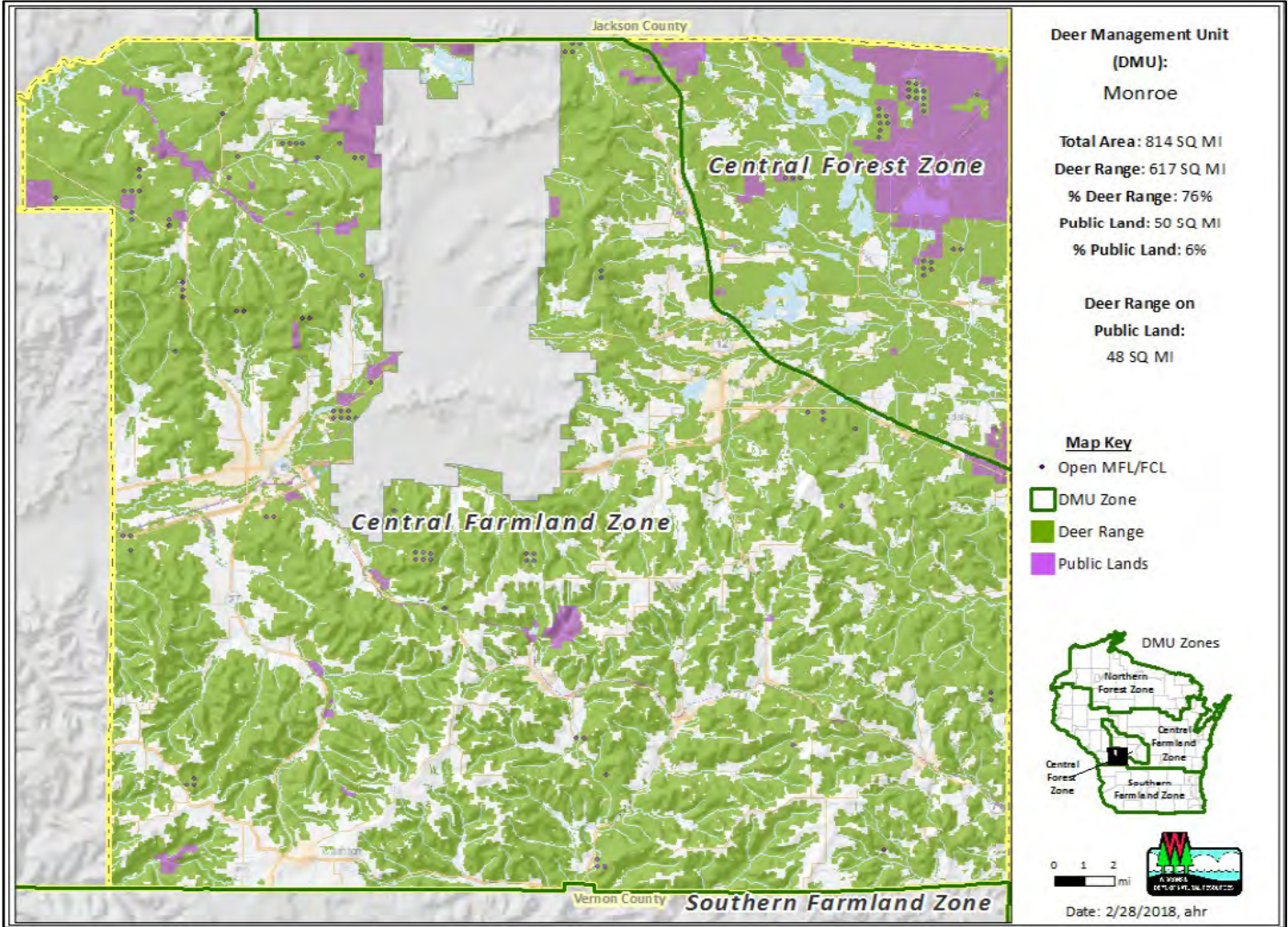
Paul Napierala, Wildlife Biologist

03/22/2022



# Monroe County

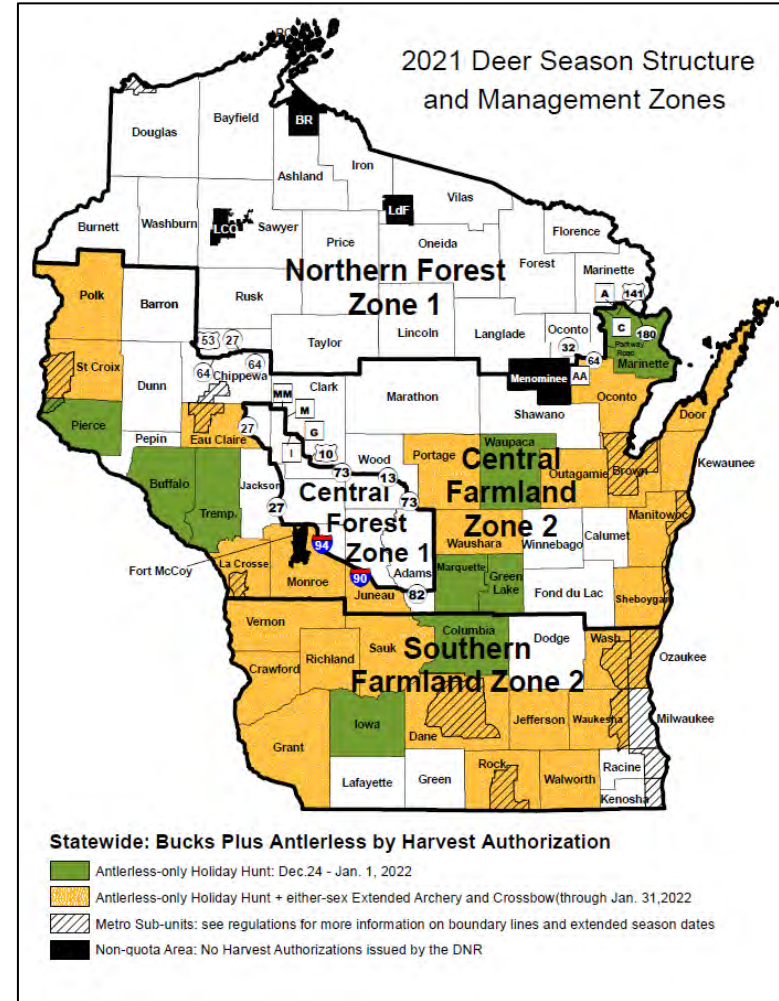
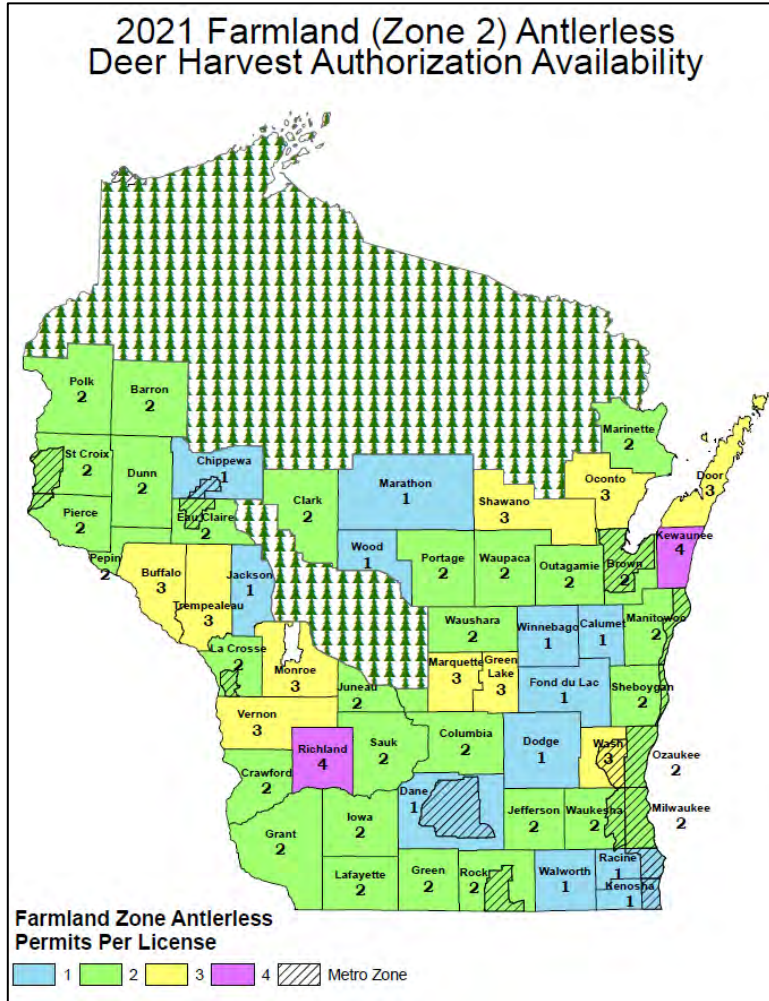
## Deer Season overview





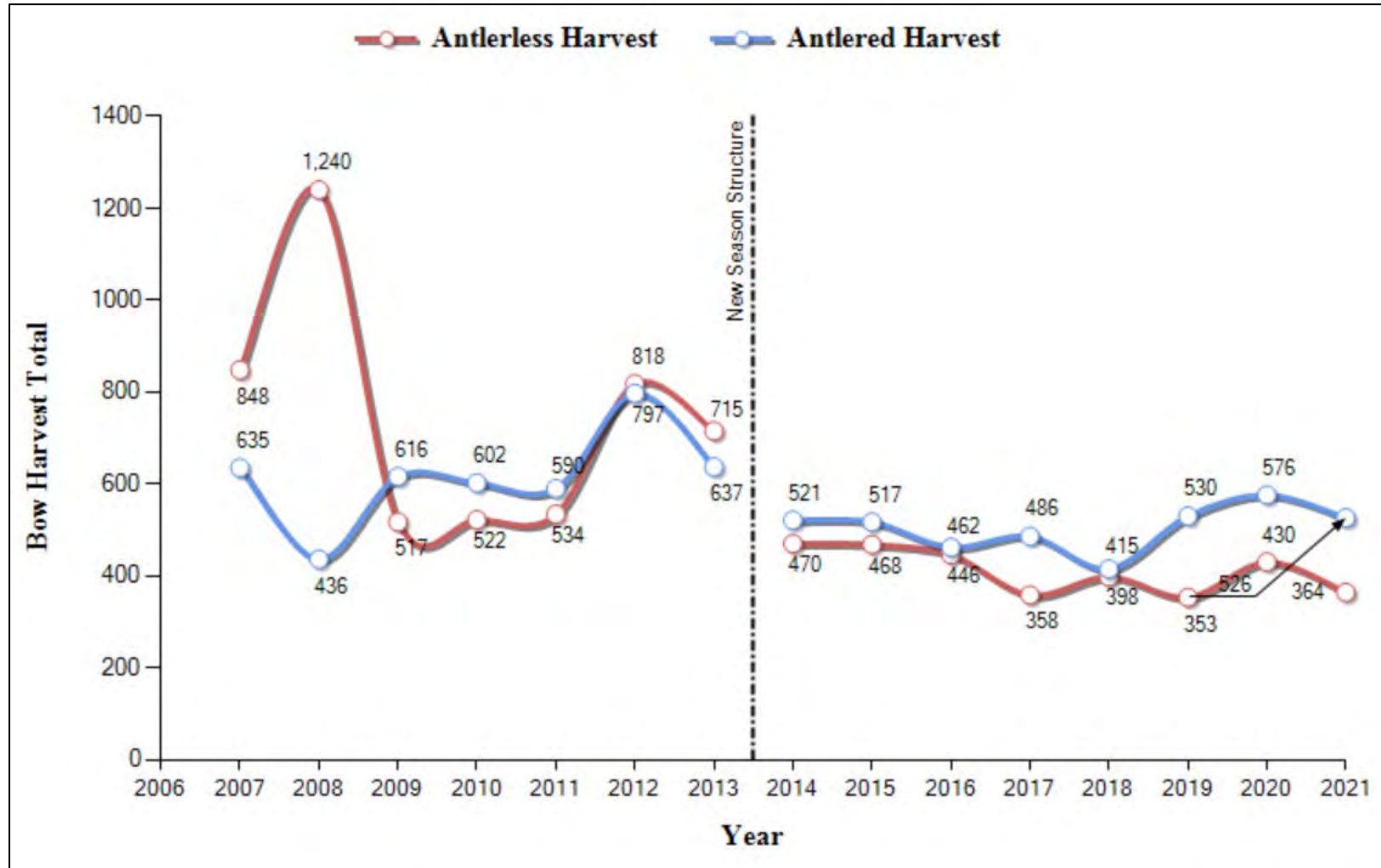
# Monroe County

## 2021 Deer Season Structure



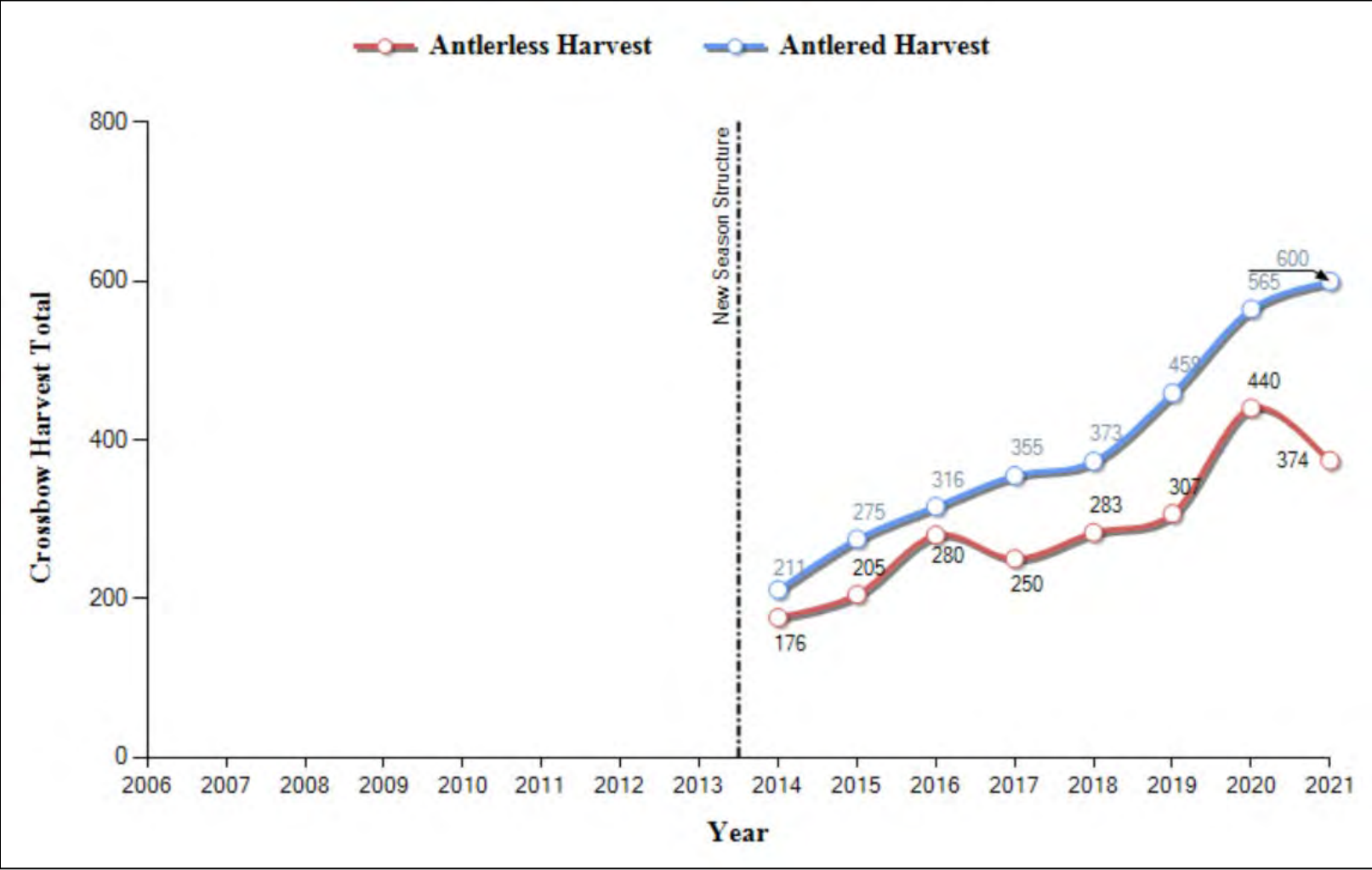
# Monroe County - Central Farmland Zone

## 2021 Bow Registration



# Monroe County - Central Farmland Zone

## 2021 Crossbow Registration



# Monroe County - Central Farmland Zone

## 2021 Archery Registration

	Antlered	Antlerless	Total
Bow	526	364	890
Crossbow	600	374	974
<b>Total</b>	<b>1126</b>	<b>738</b>	<b>1864</b>

# Monroe County

## Results of Extended Bow/Crossbow

	Antlered	Antlerless	Total
Bow	3	25	28
Crossbow	6	19	25
Total	9	44	53



# Monroe County - Central Farmland Zone

## 2021 Gun Registration Totals

	Antlered	Antlerless	Unknown	Total
Youth Season	45	64		109
9-Day Gun	1838	2344		4182
Muzzleloader	48	71		119
December Antlerless	226			226
Holiday Hunt	2	184		186
<b>Total</b>				

# Monroe County - Central Farmland Zone

## 2021 Registration by Sex

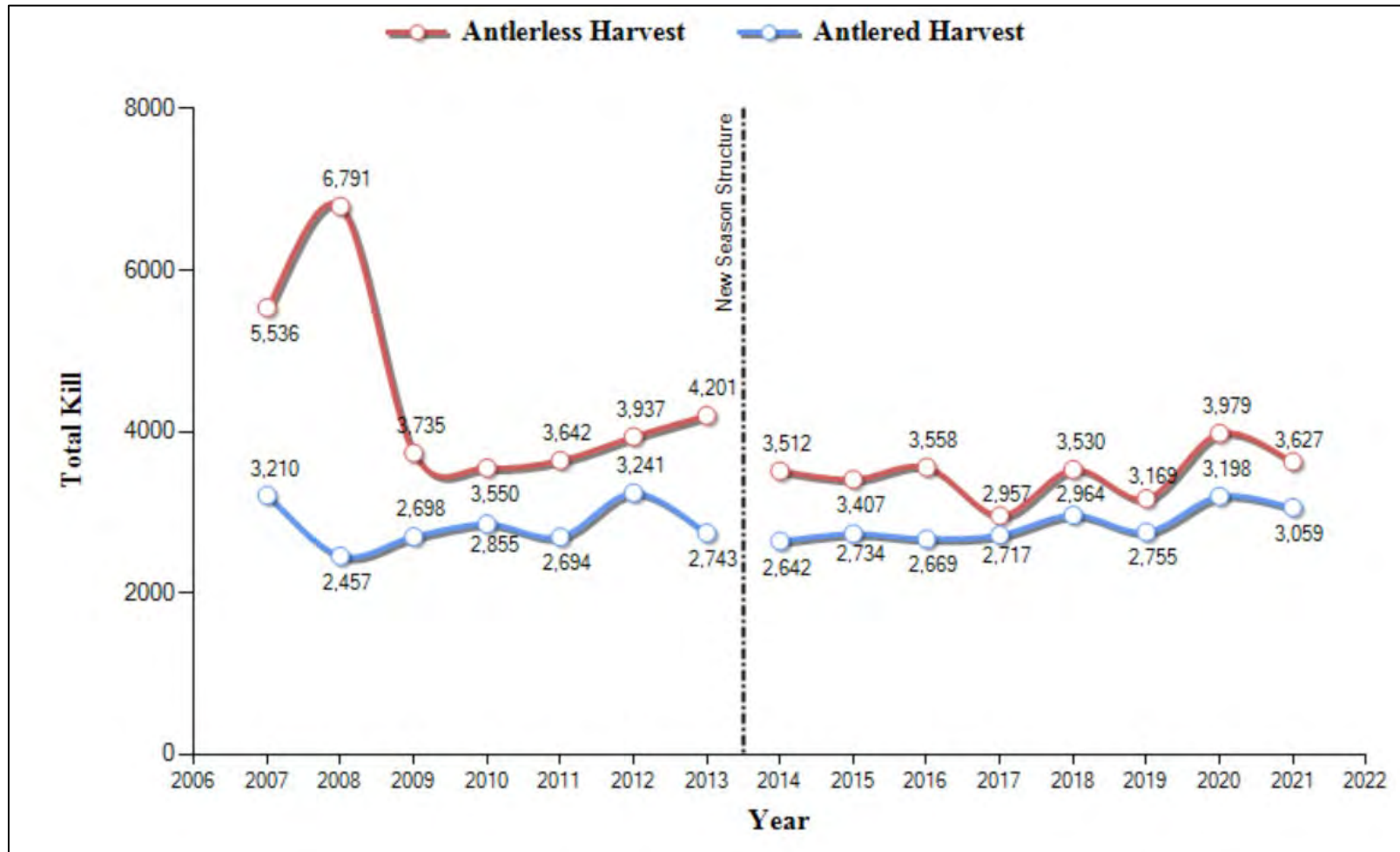
	Bucks	Antlerless	Total
Total	3059	3627	6686

### Harvest Ratio

1.19 antlerless to each antlered

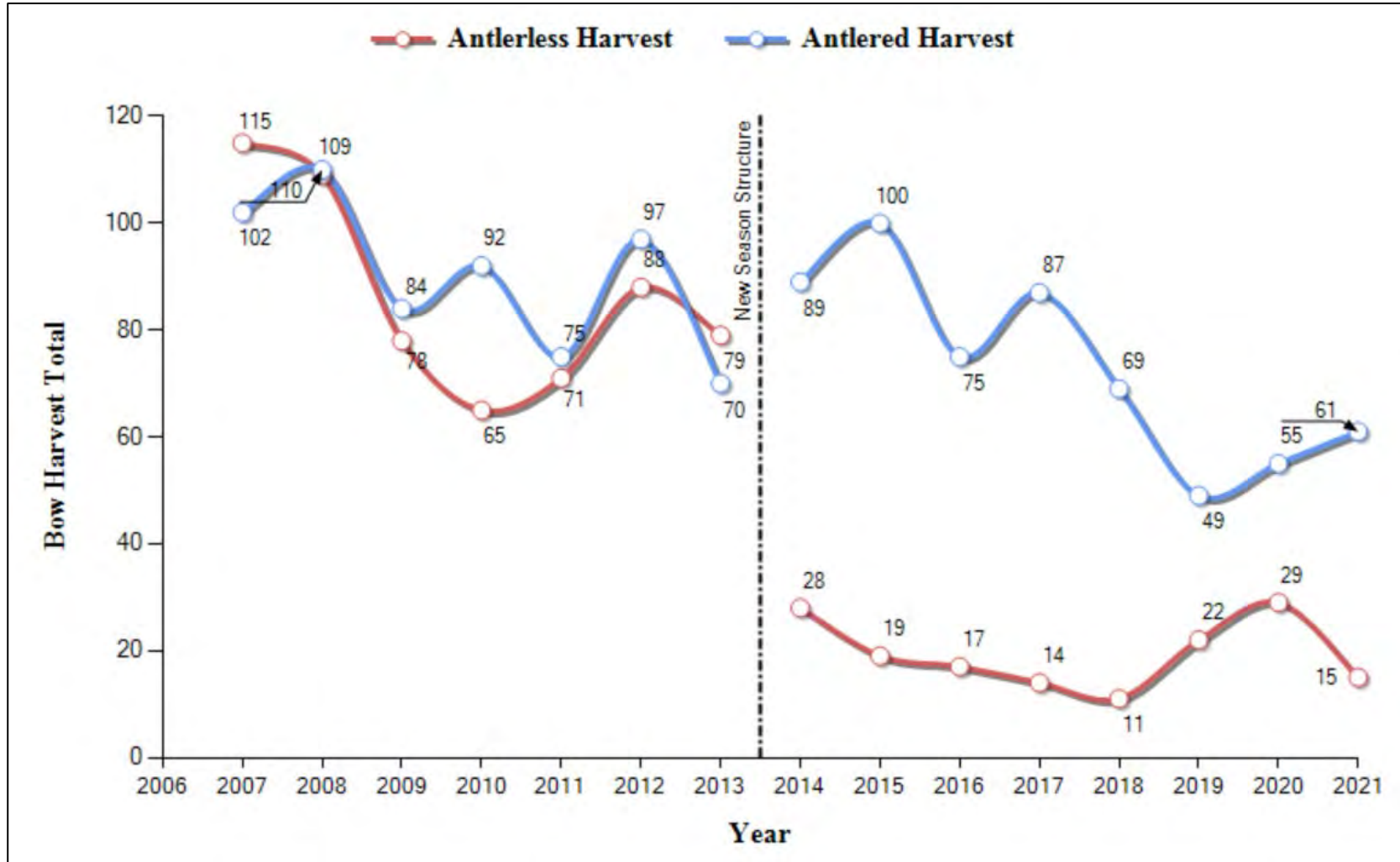
# Monroe County - Central Farmland Zone

## 2021 Total Registration



# Monroe County - Central Forest Zone

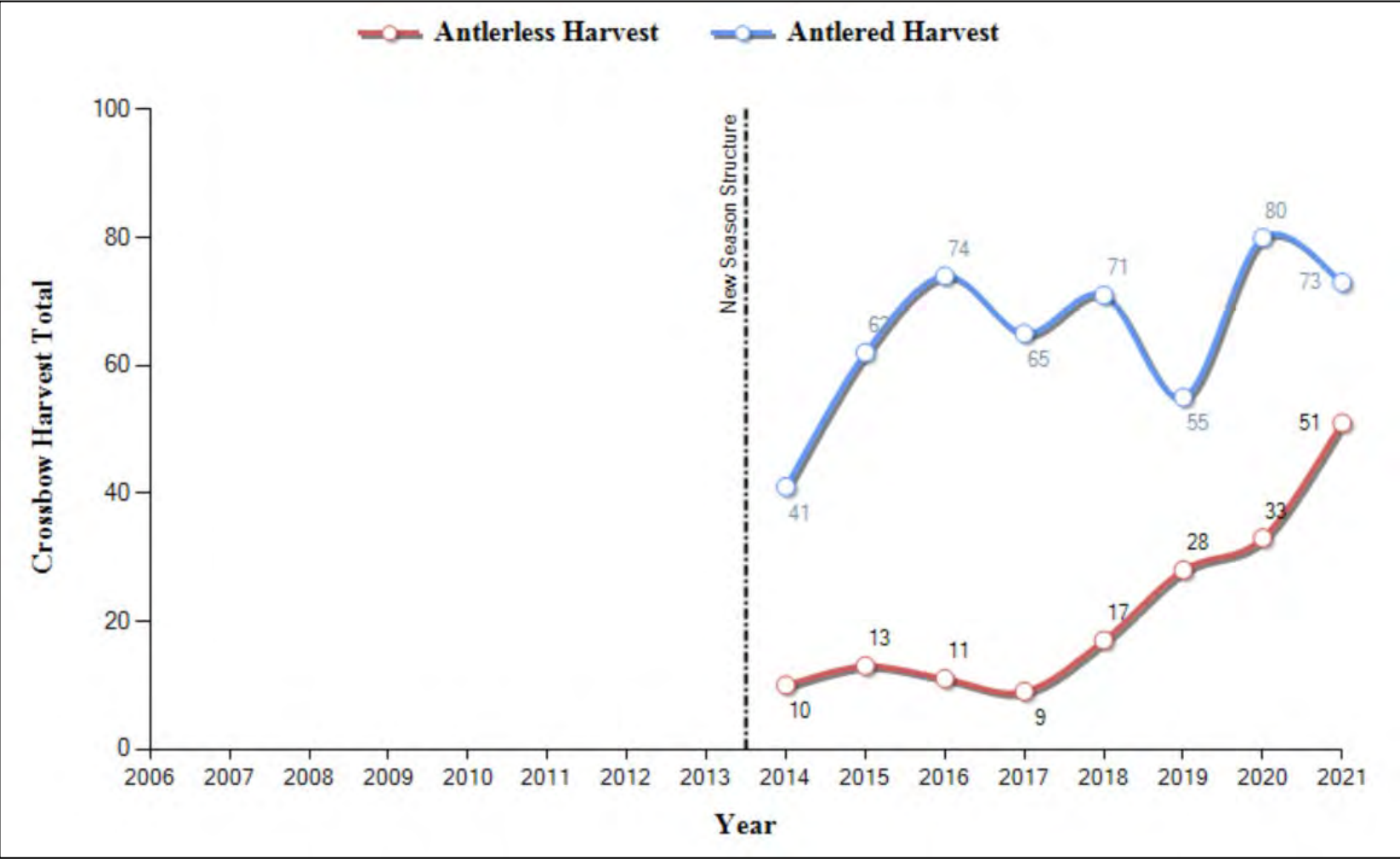
## 2021 Bow Registration





# Monroe County - Central Forest Zone

## 2021 Crossbow Registration



# Monroe County - Central Forest Zone

## 2021 Archery Registration

	Antlered	Antlerless	Unknown	Total
Bow	61	15		76
Crossbow	73	51		124
Total	66	134		200

# Monroe County - Central Forest Zone

## 2021 Gun Registration Totals

	Antlered	Antlerless	Total
Youth Season	5	4	9
9-Day Gun	198	139	337
Muzzleloader	16	8	24
December Antlerless		22	22
<b>Total</b>	<b>219</b>	<b>173</b>	<b>392</b>

# Monroe County - Central Forest Zone

## 2021 Registration by Sex

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	Bucks	Antlerless	Unknown	Total
Total	353	239		592

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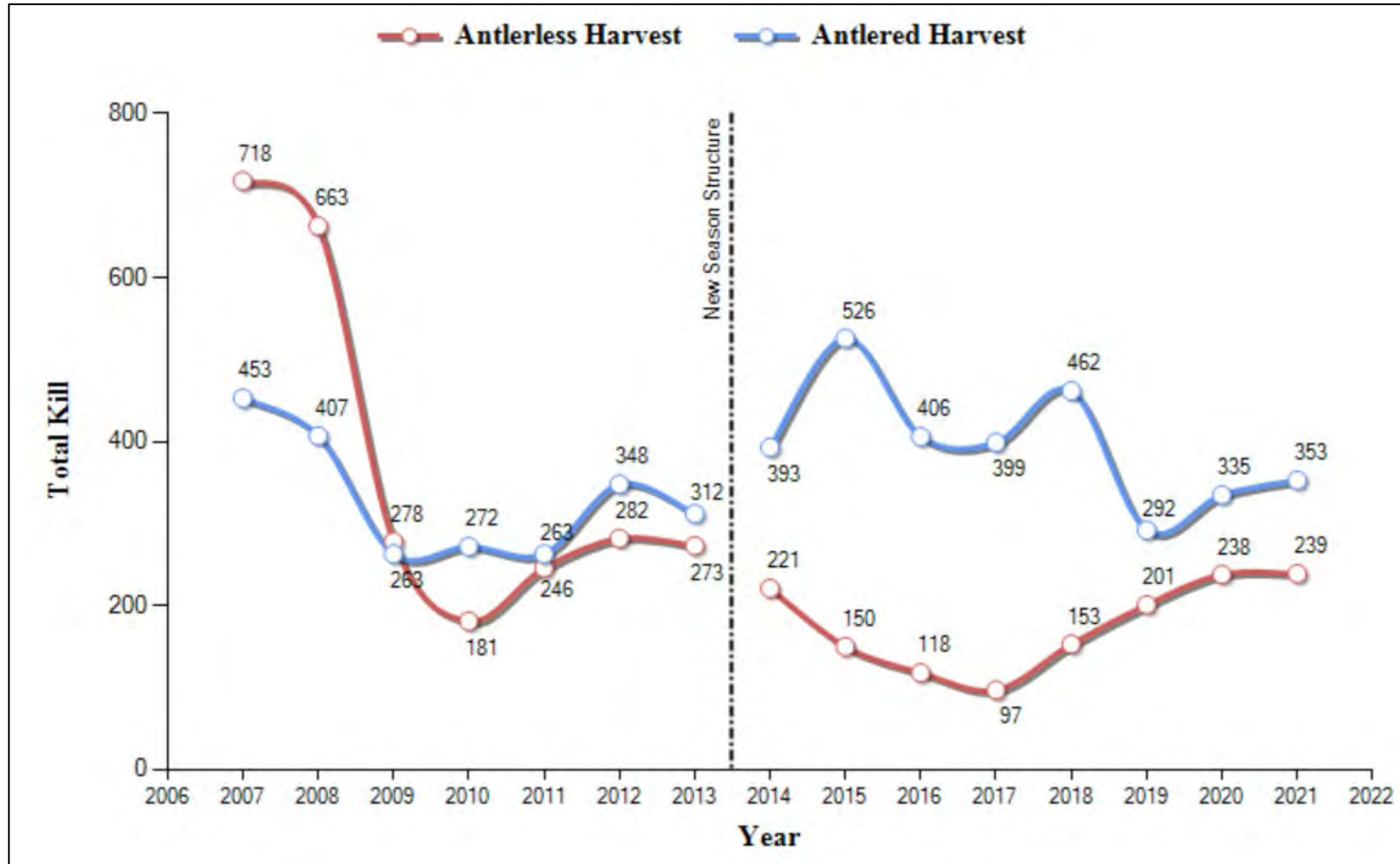
Harvest Ratio  
0.68 antlerless to each antlered

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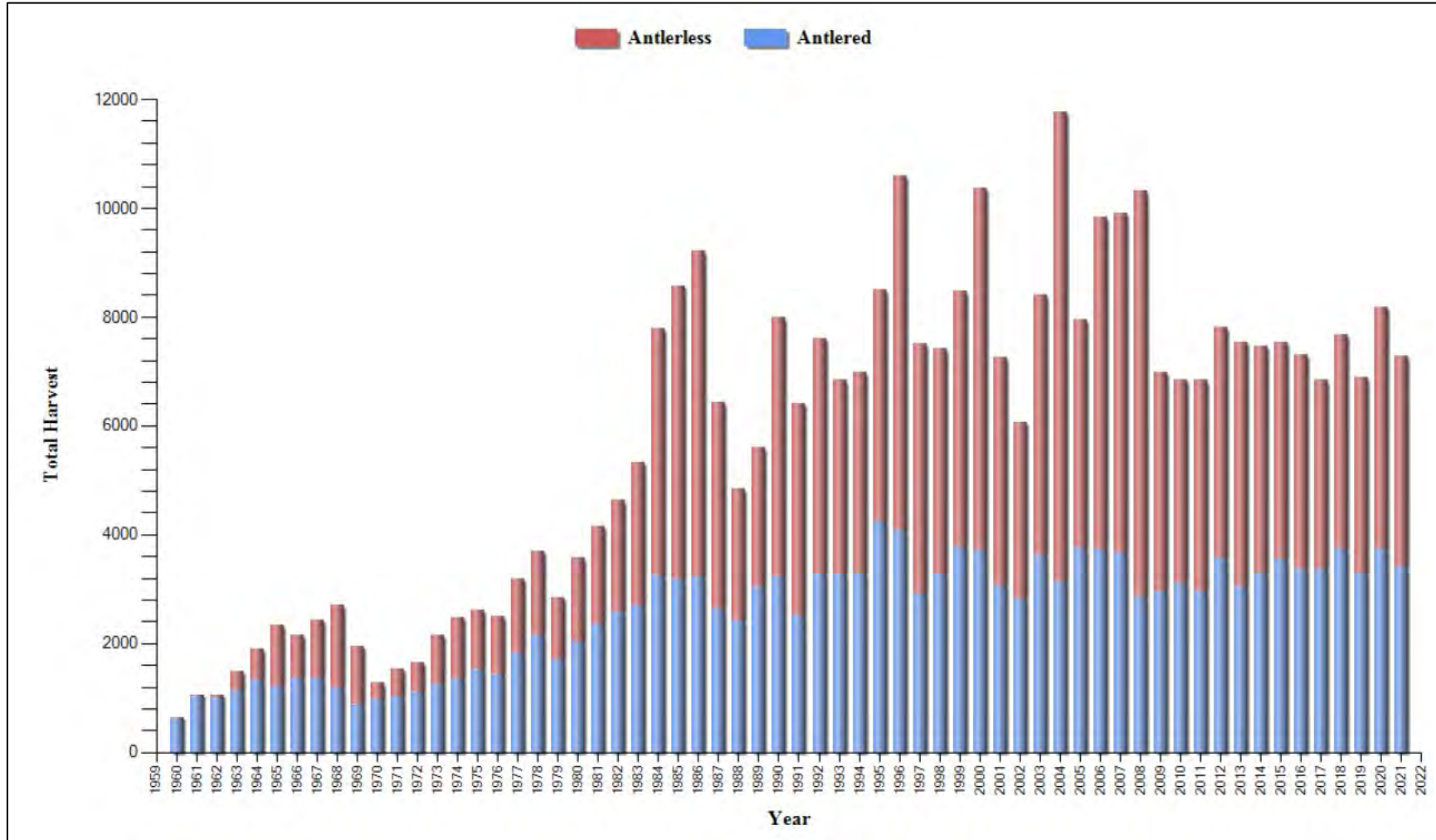


# Monroe County - Central Forest Zone

## 2021 Total Registration



# Monroe County Deer Harvest History



# Monroe County Deer Herd Metrics


- Population Trends
- Agriculture
- Forestry
- Deer Health
- Vehicle Collison
- Hunter Surveys

http://dnr.wi.gov/topic/Wildlife- Wisconsin Deer Metrics Sys...

Suggested Sites Web Slice Gallery

Business Licenses & Regulations Recreation Env. Protection Contact Join DNR Search or Keywords

### Wisconsin Deer Metrics System



Welcome to the Wisconsin Deer Metrics System. Deer metrics are information that is used to measure or evaluate various aspects of deer management. This system will allow you to easily and efficiently find deer metric information for the county of your choice. The most up-to-date information is provided on deer harvest figures, population trends, deer impacts on agriculture and forest resources, deer herd health and deer hunter dynamics. This detailed information provides a unique opportunity to get an inside look at how the department manages Wisconsin's wildlife. Department staff encourage you to use these metrics to become more involved in deer management where you live or hunt, whether through [County Deer Advisory Councils](#) or the [Deer Management Assistance Program](#). Thank you for your continued interest in Wisconsin's deer management program.

#### Launch Wisconsin Deer Metrics System

Select a location

#### How to use the Wisconsin Deer Metrics System

Deer Metrics Website Tutorial

#### Wildlife and habitat

**Find**  
ways to reduce wildlife-human conflict and avoid wildlife damage.

**Explore**  
Wisconsin's rare plants, animals and natural communities.

**Discover**  
tips to manage your land for wildlife.

**Learn**  
about wildlife health and rehabilitation.

#### Contact information

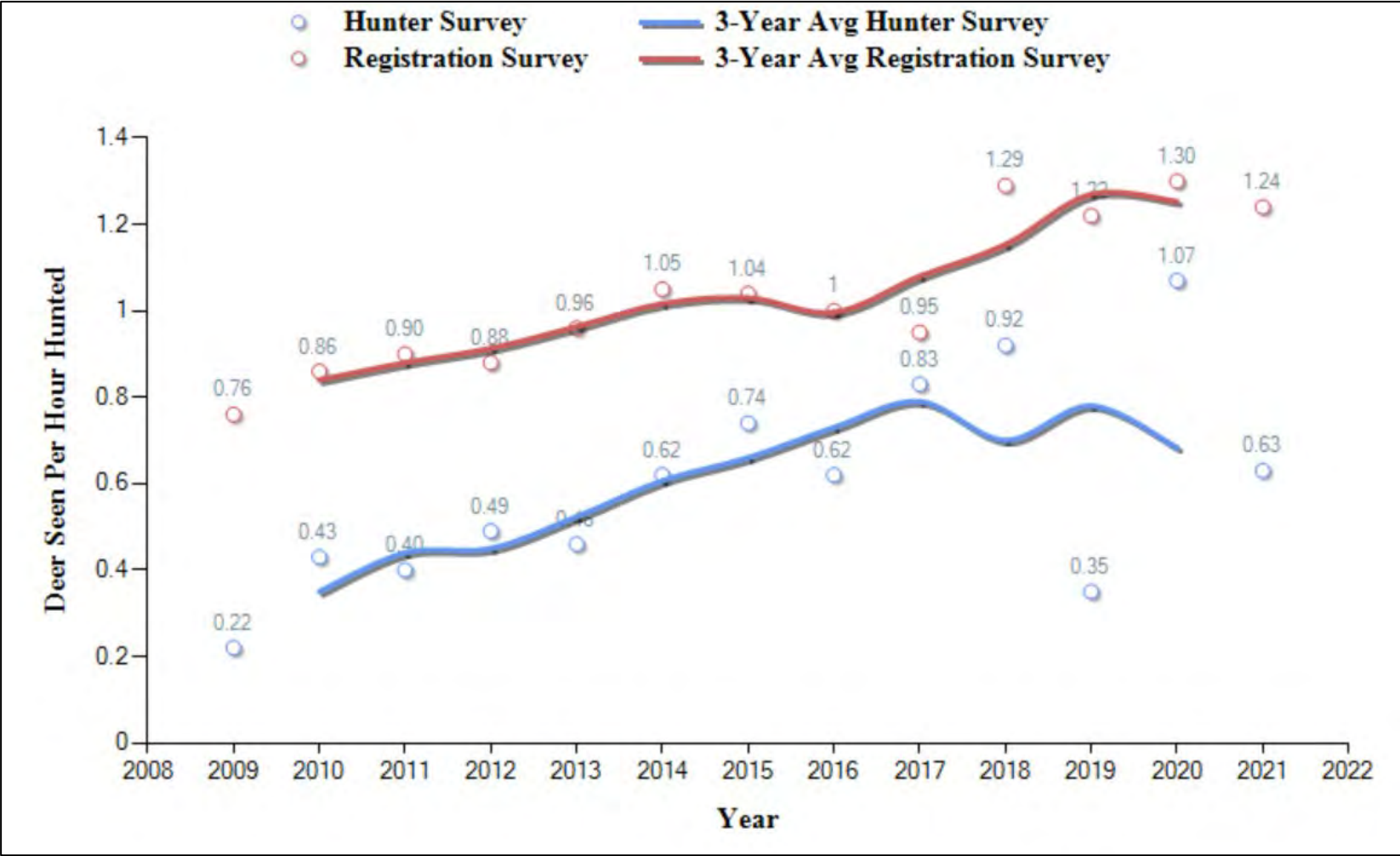
For information about the Wisconsin Deer Metrics System, contact:

[Kevin Wallenfang](#)  
Deer and elk ecologist  
Bureau of Wildlife Management  
608-261-7589

8:36 AM  
07/27/2017

# Monroe County - Central Farmland Zone

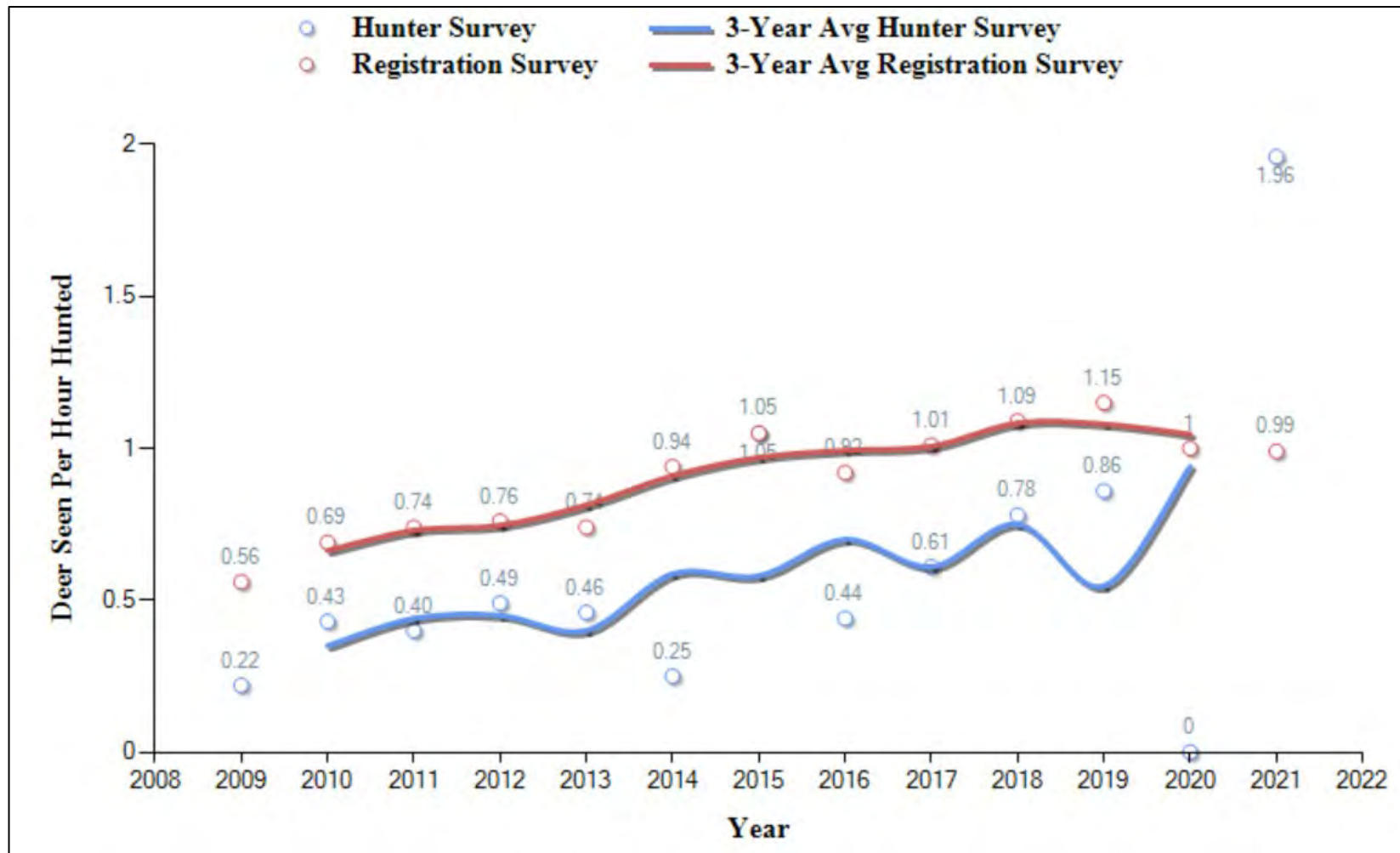
## Deer Seen per Hour by Hunters



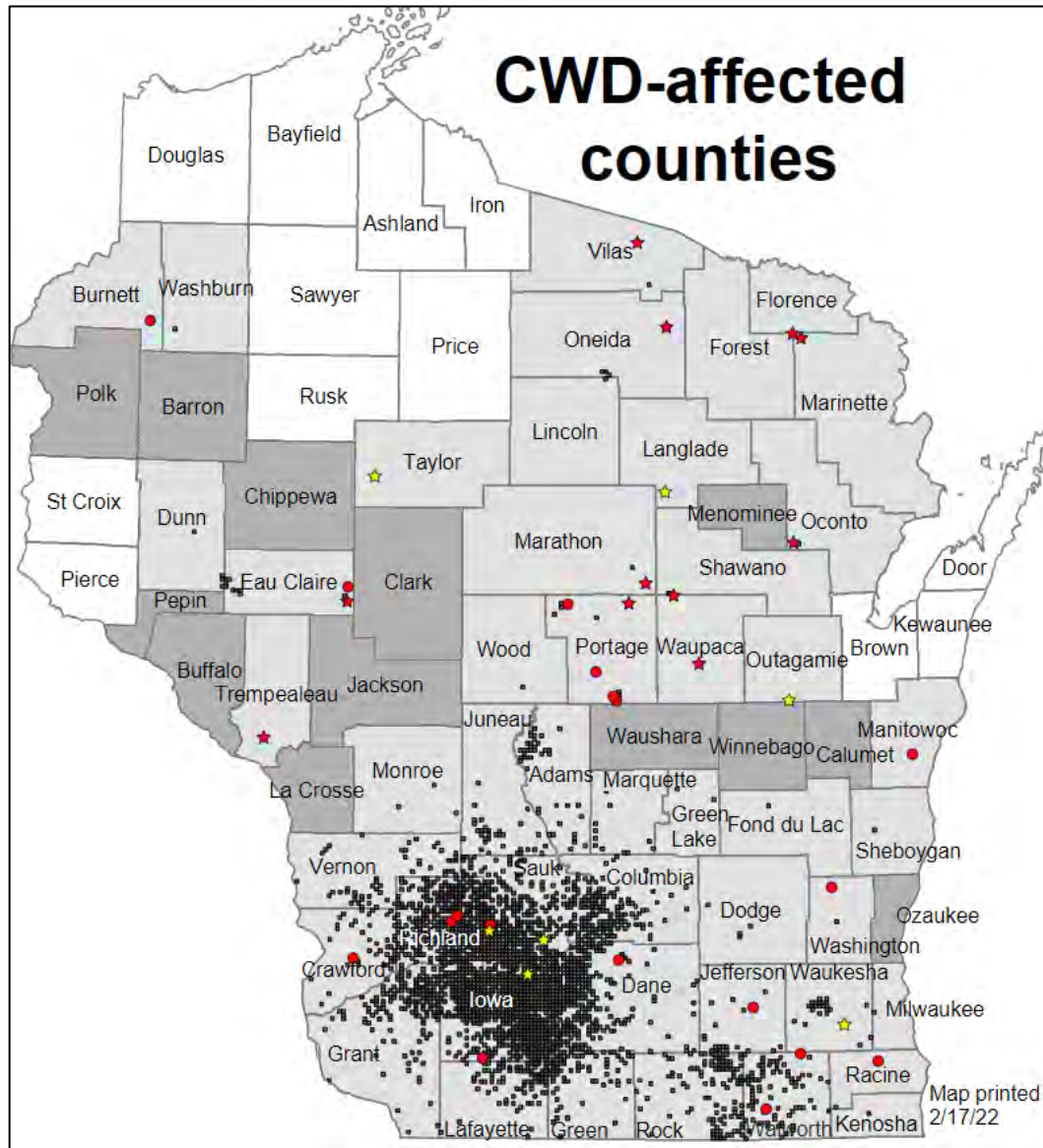


# Monroe County - Central Forest Zone

## Deer Seen per Hour by Hunters



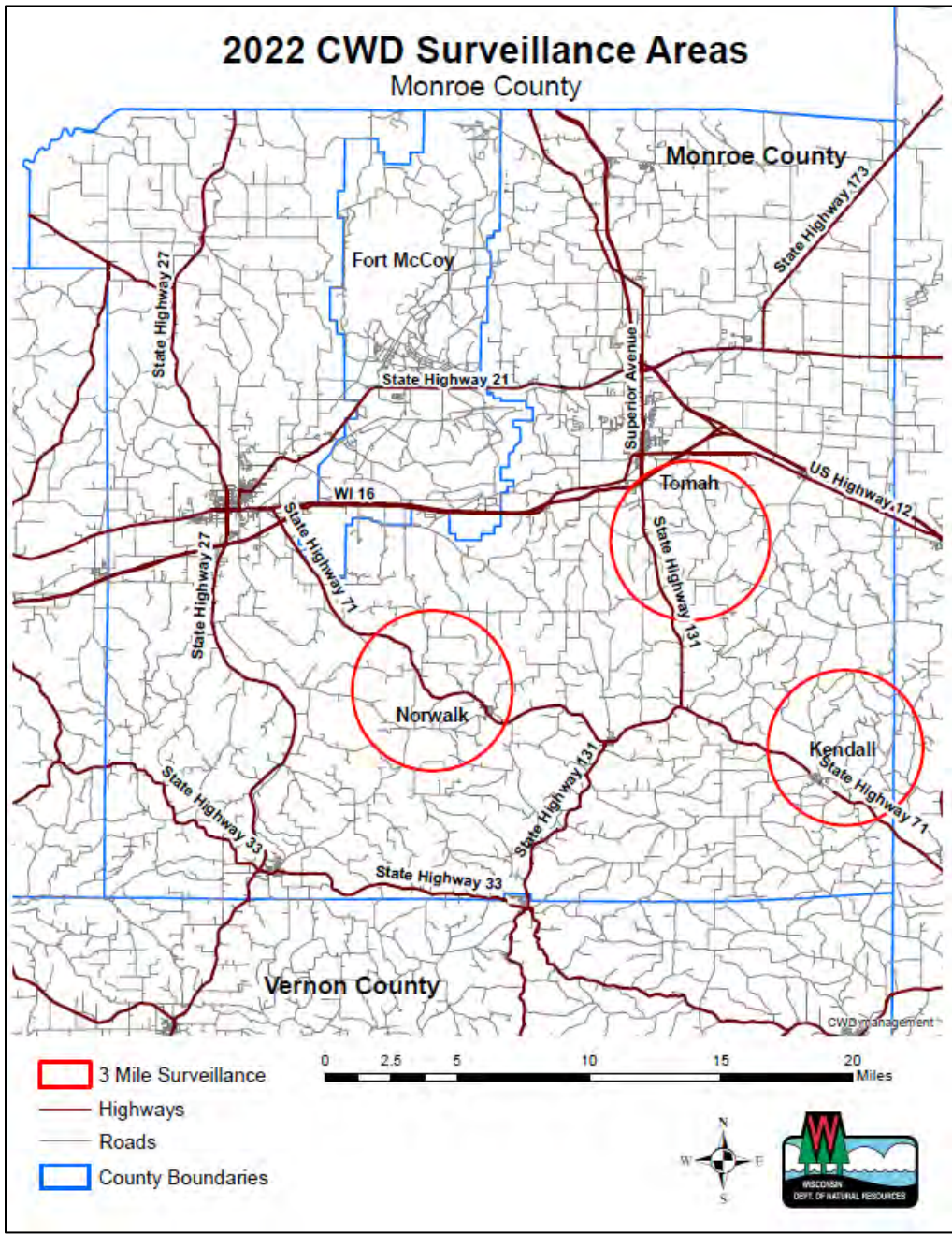
# CWD STATEWIDE OVERVIEW



- CWD wild positive location
- ★ Hunting ranches infected with CWD currently in operation
- ☆ Deer farms infected with CWD currently in operation
- Past positive CWD farms, depopulated
- County boundary
- CWD affected county per positive(s) detected in the county
- CWD affected county “watch county” per being within 10 miles of a CWD positive detection (e.g. CWD has not been detected in these counties)

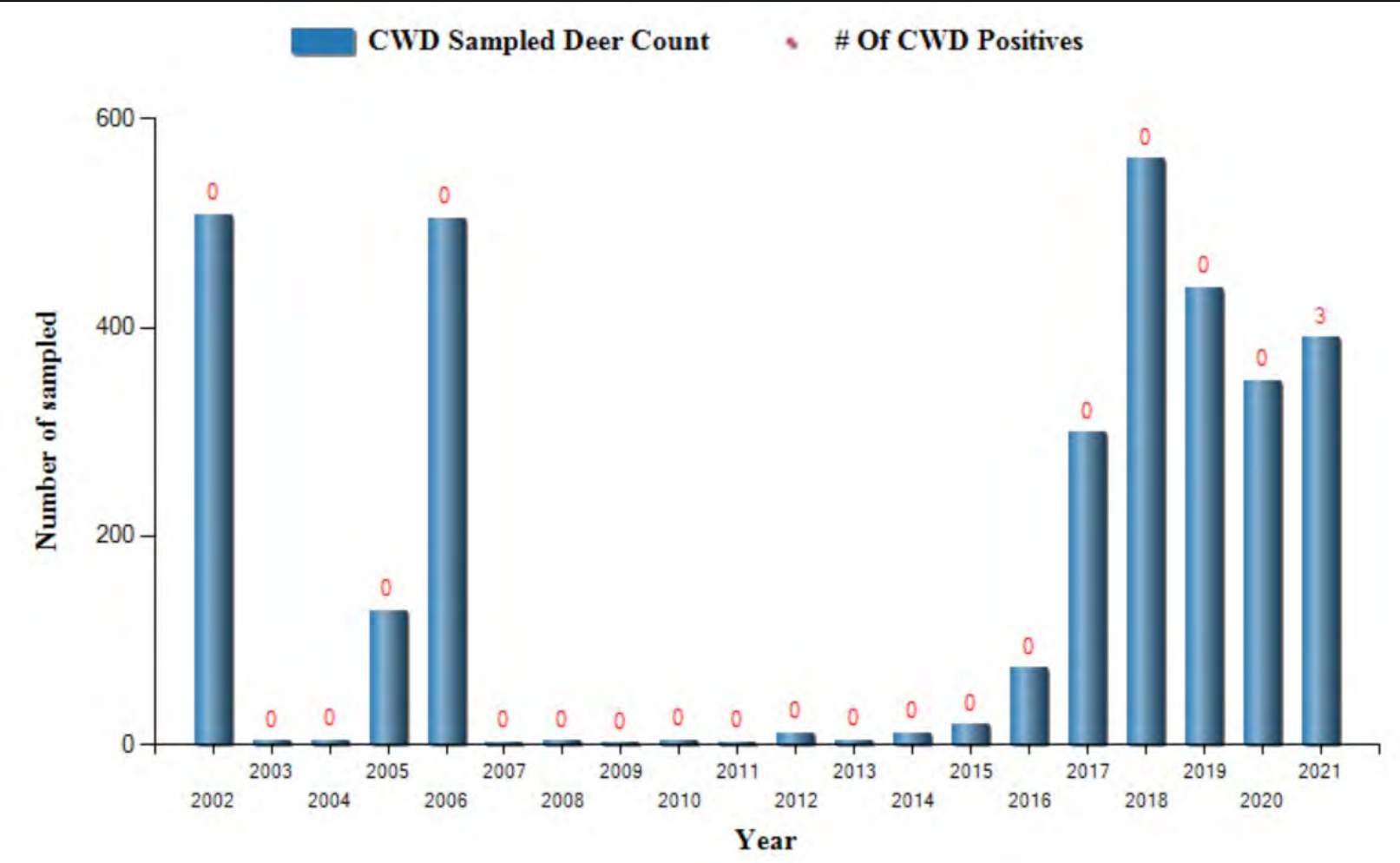


# Monroe County Chronic Wasting Disease



# Monroe County

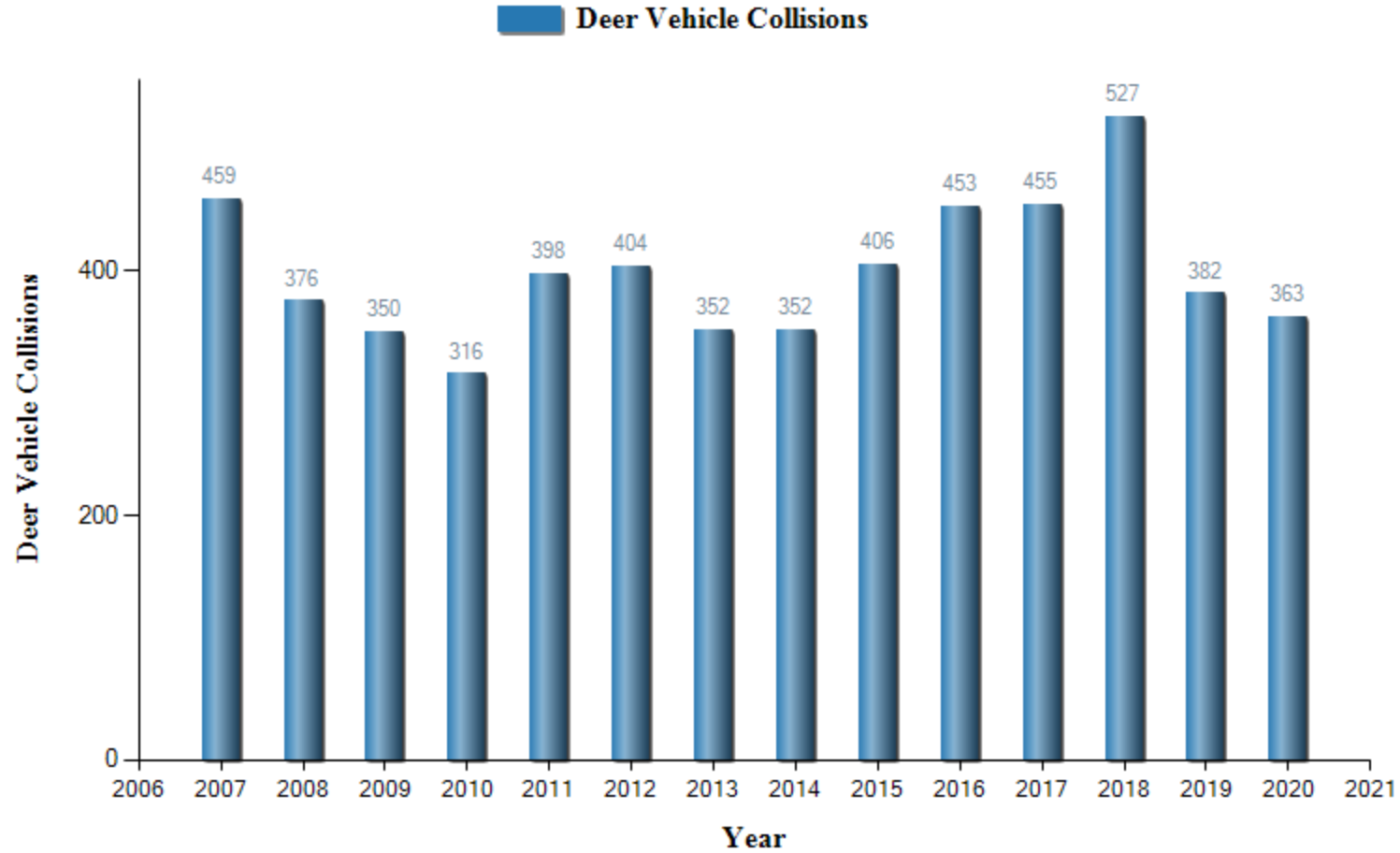
## Chronic Wasting Disease





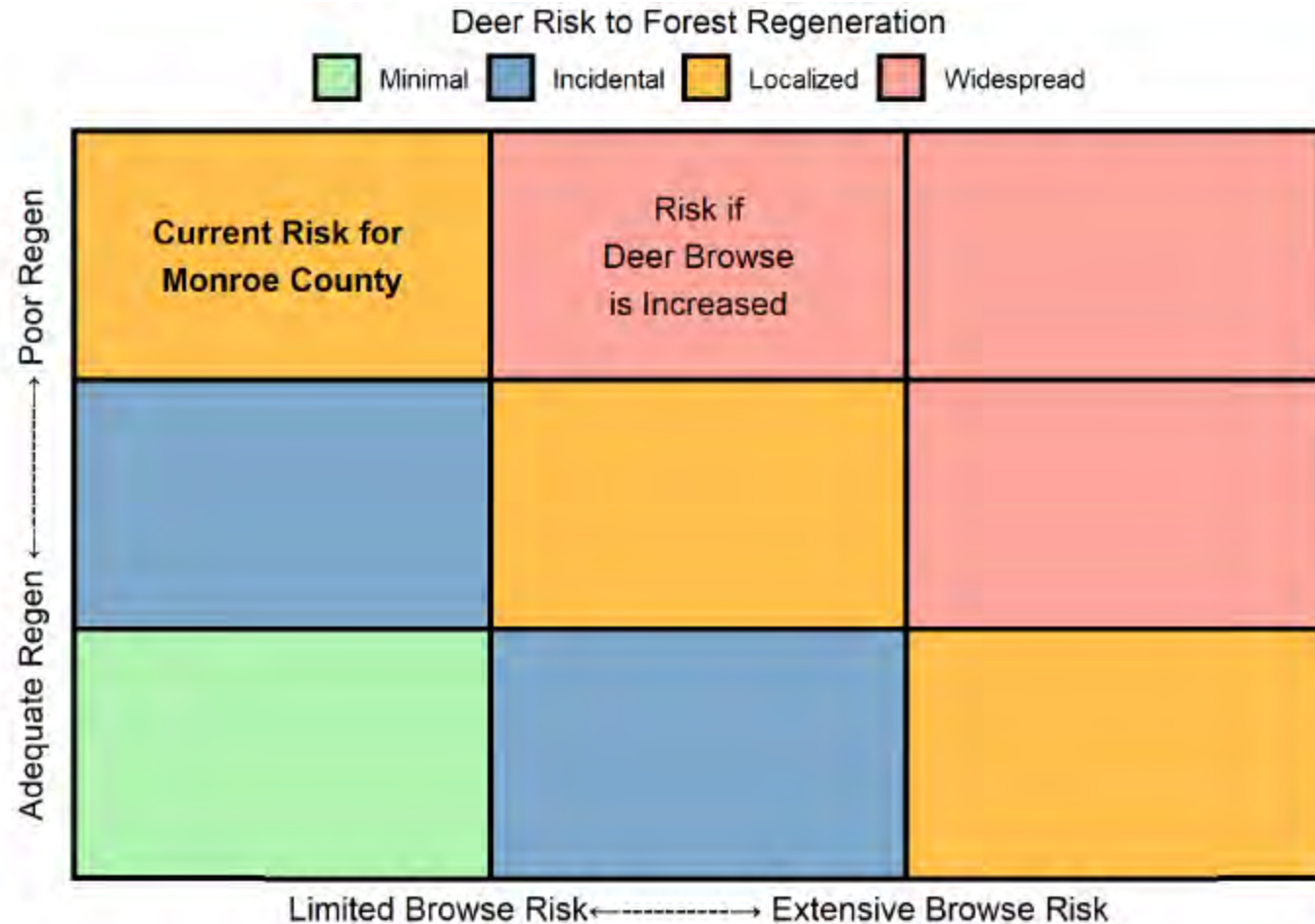
# Monroe County

## Deer Vehicle Collisions



# Monroe County

## Forest Regeneration Metric



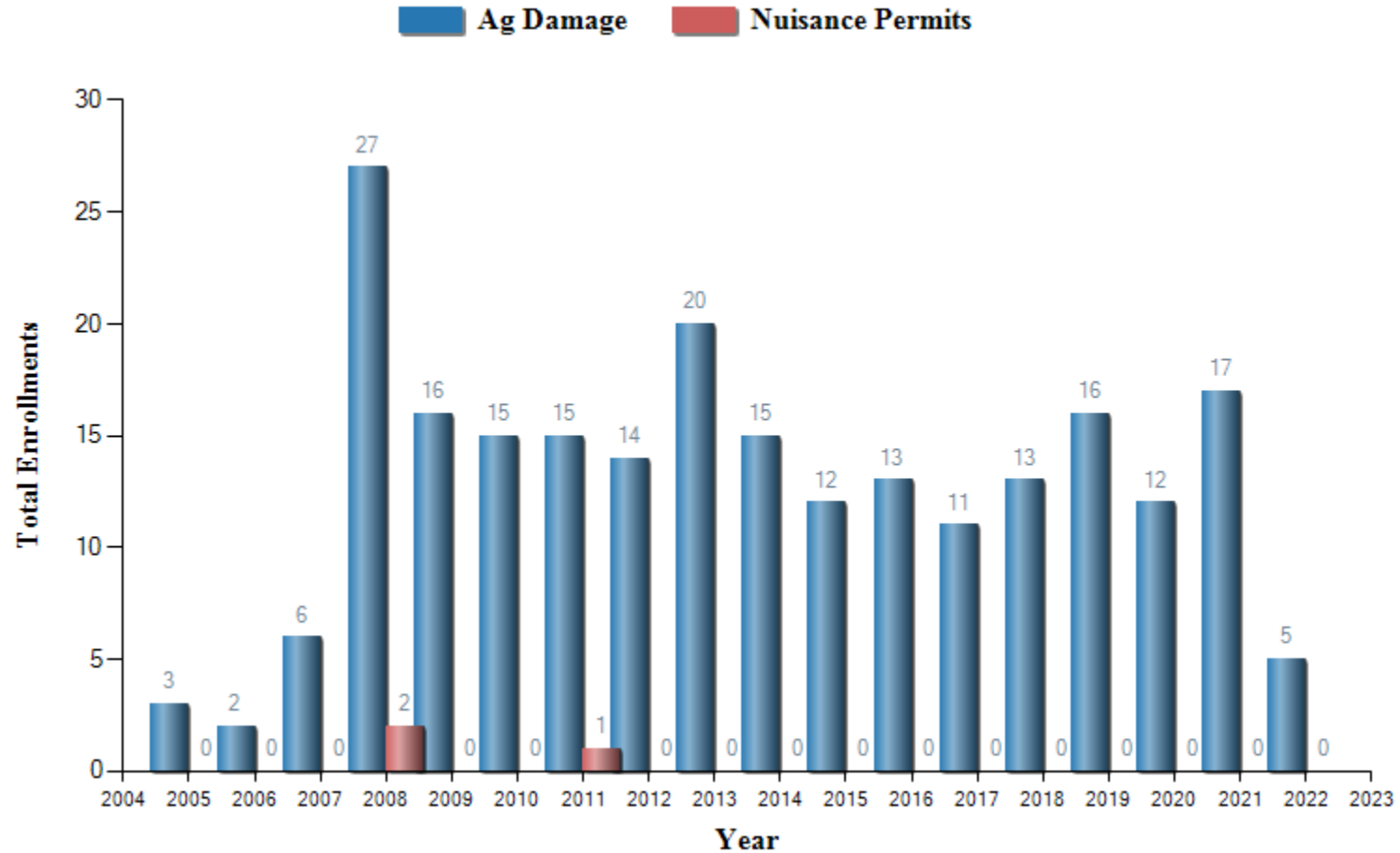
# Monroe County Forestry Metrics

- The forestry liaison will provide a forestry update during this portion of the meeting.



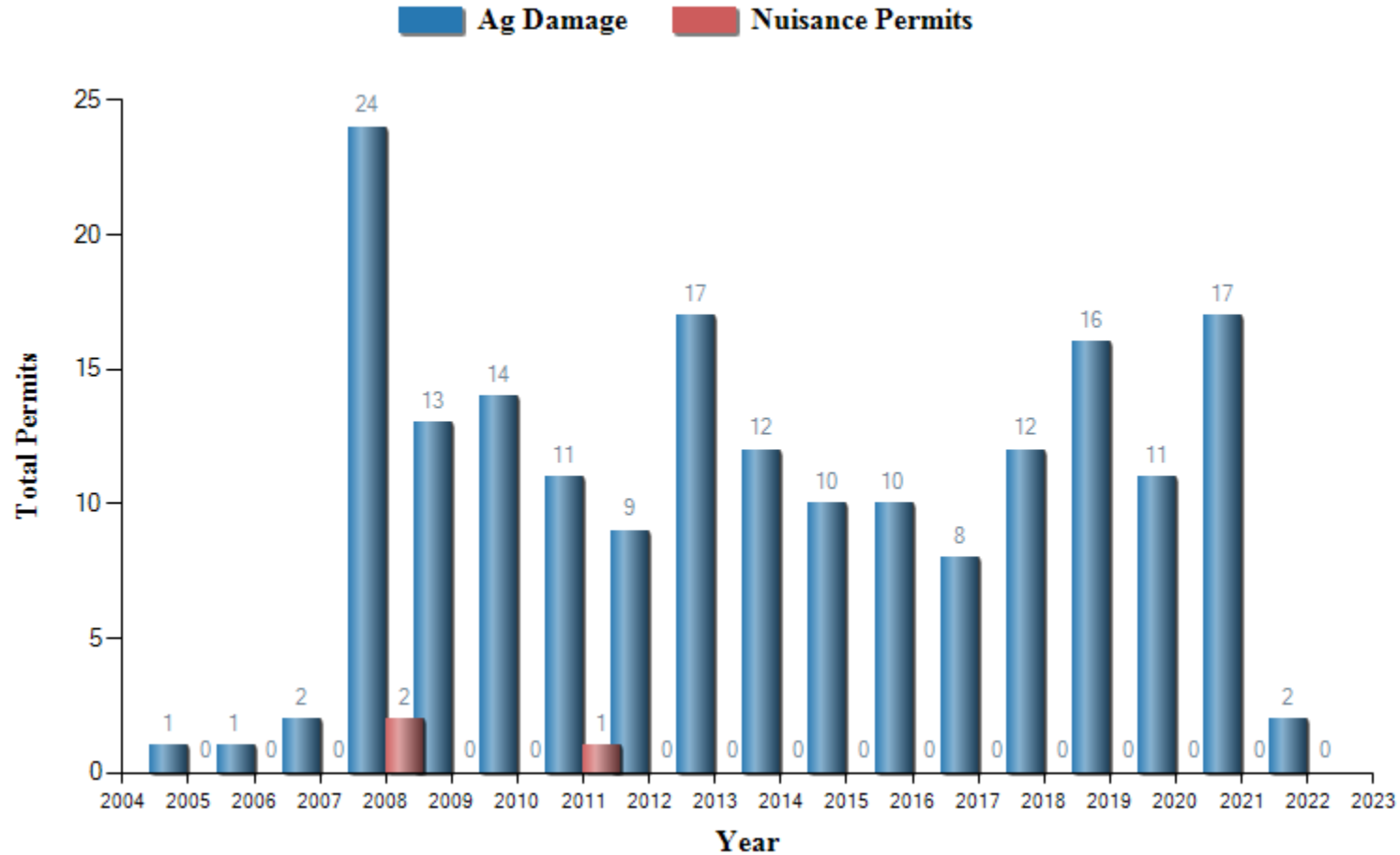
# Monroe County

## Ag Damage Properties Enrolled



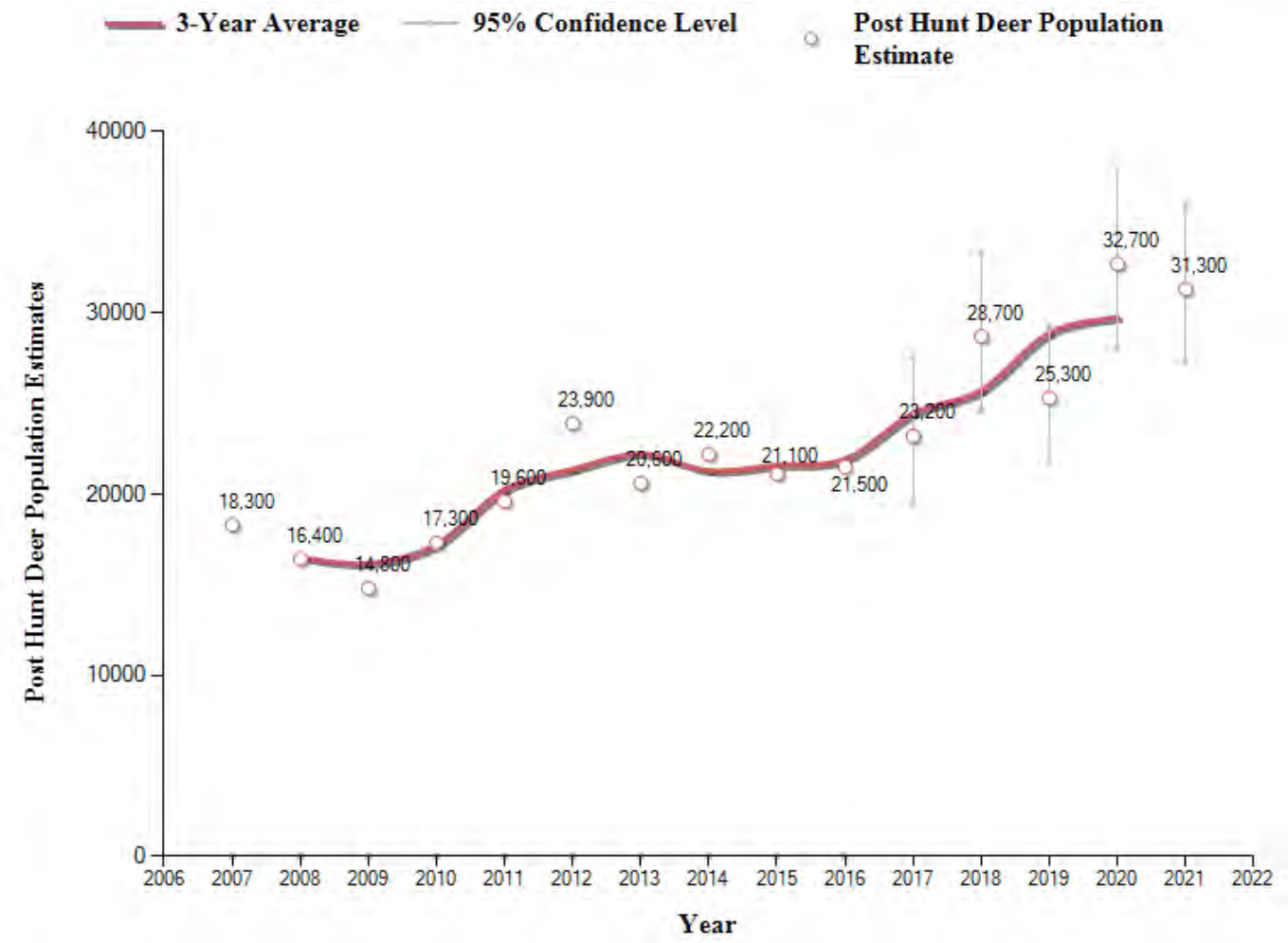
# Monroe County

## Ag Damage Shooting Permits



# Monroe County - Central Farmland Zone

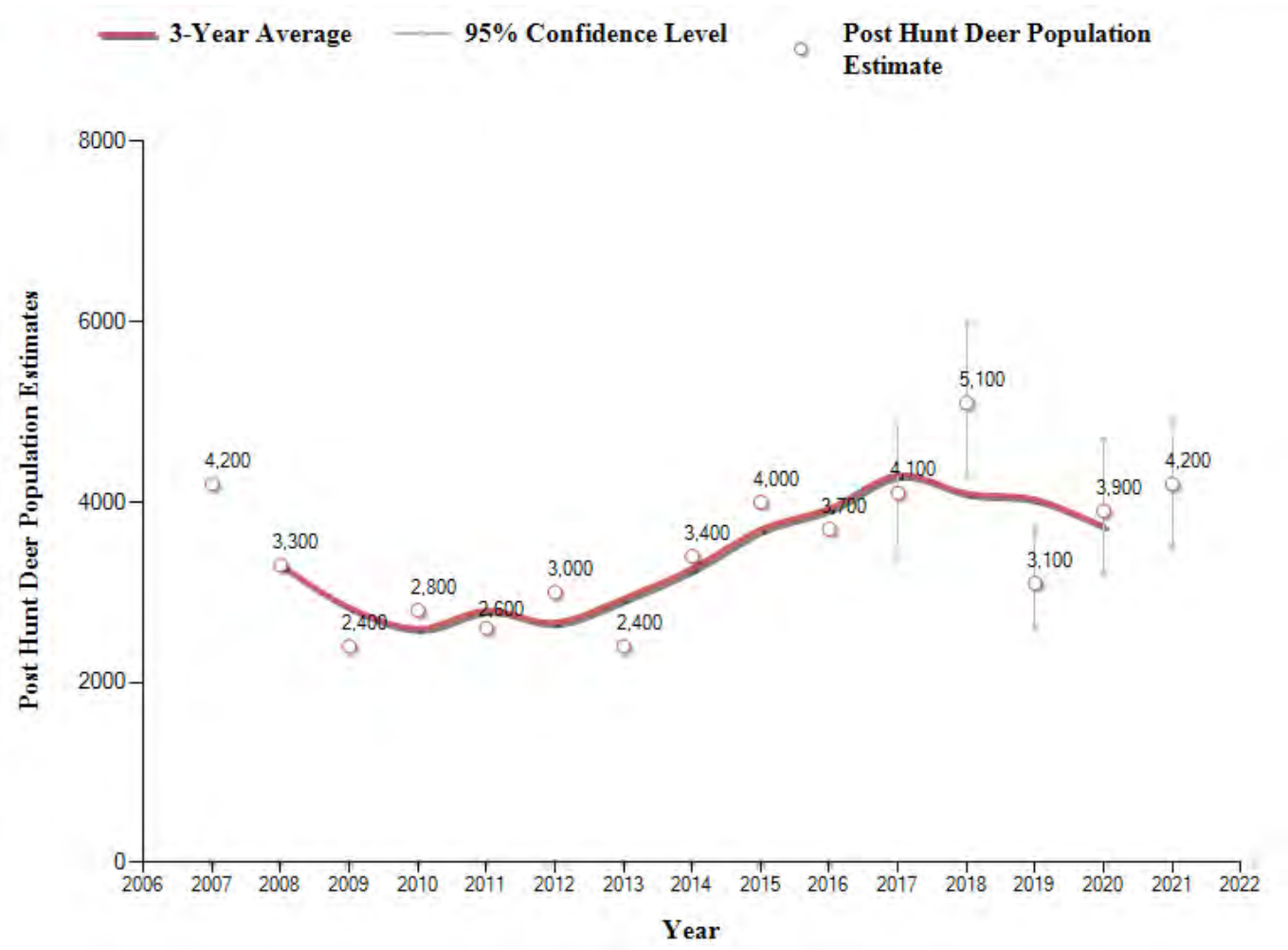
## Deer Population Trend





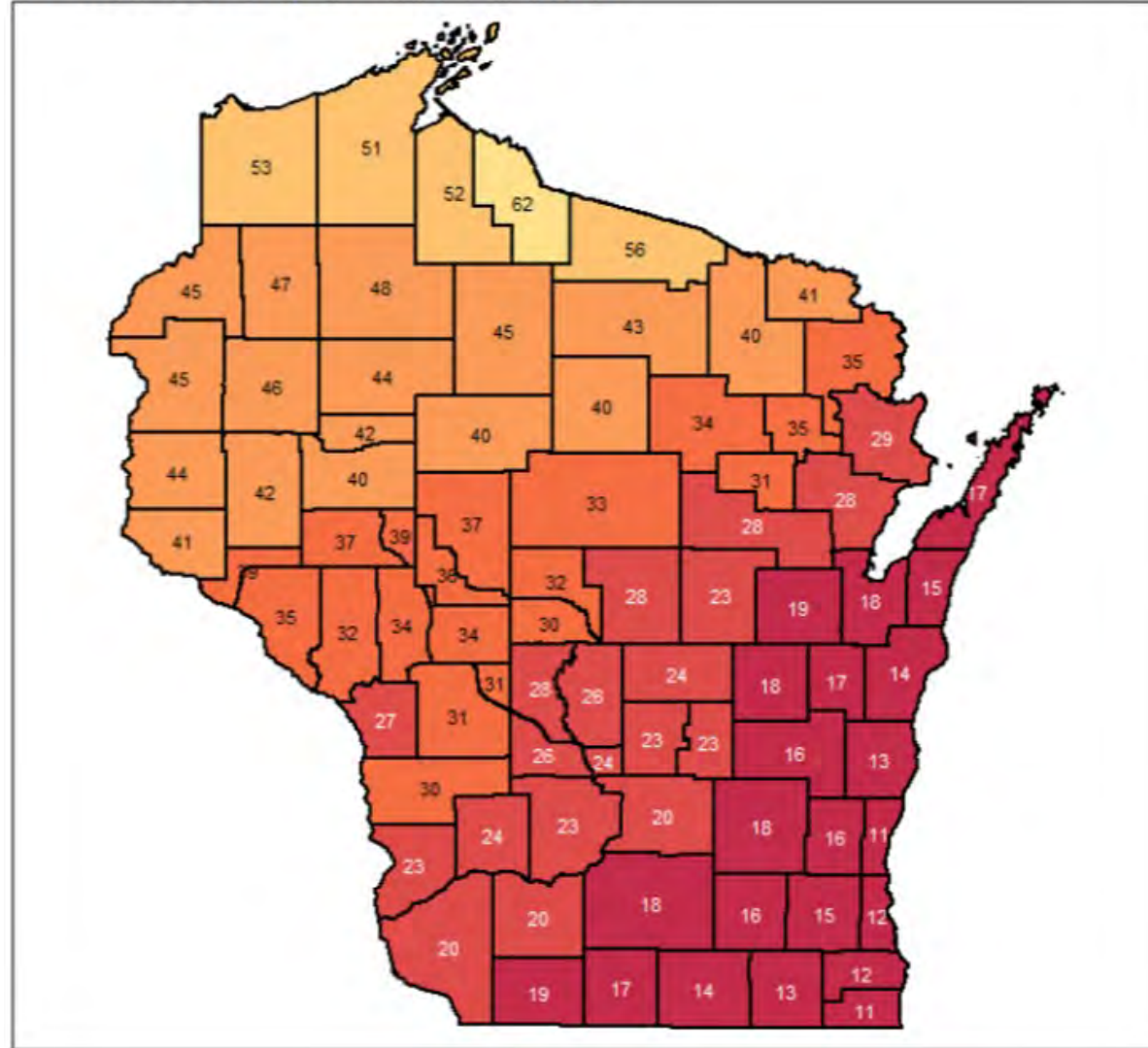
# Monroe County - Central Forest Zone

## Deer Population Trend

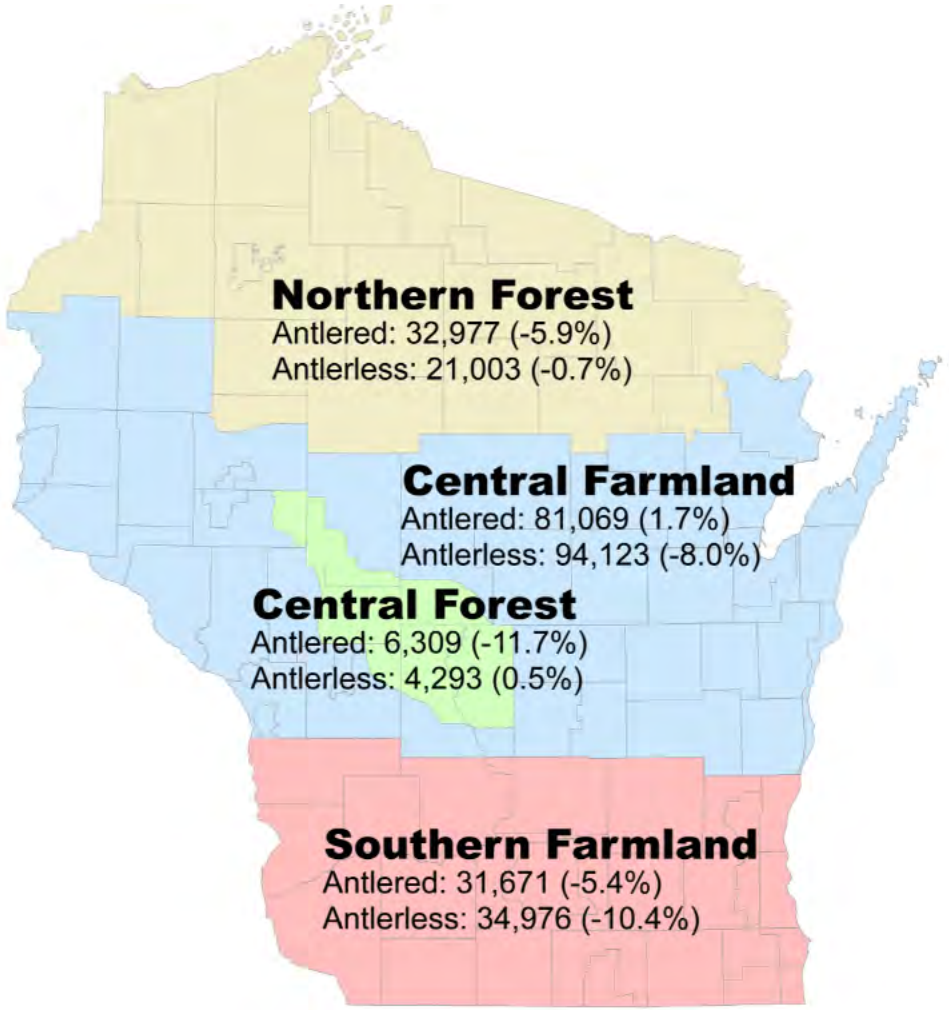


# WSI through February 2022

Winter Severity Index Feb. 2022

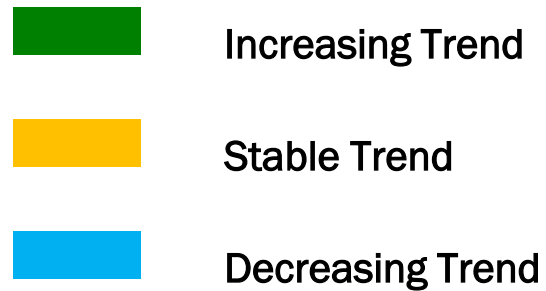


# Total Deer Kill 2021 vs 5-Year Av

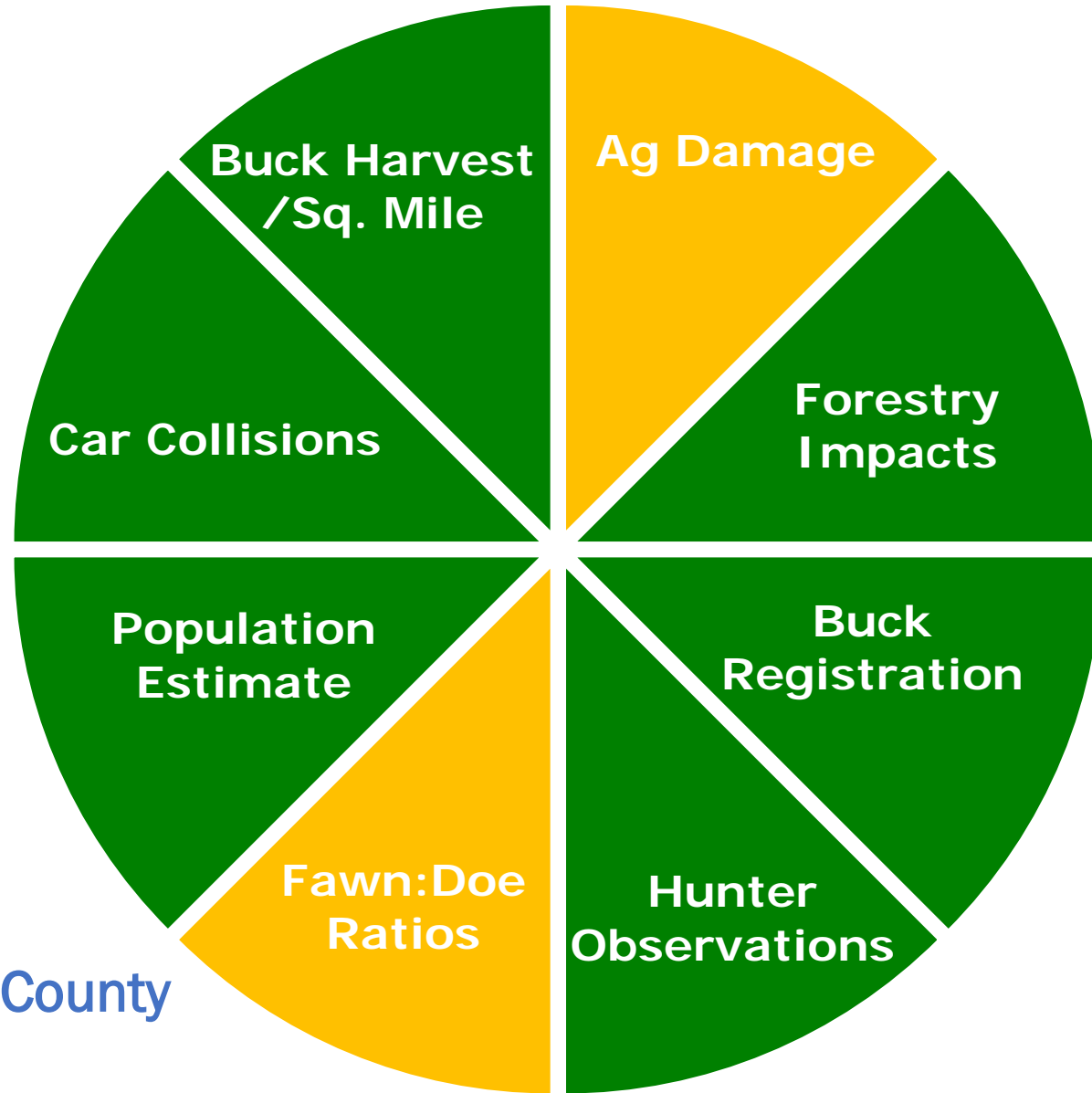


(%) reflect 5-year average harvest from 2016-20 vs. 2021

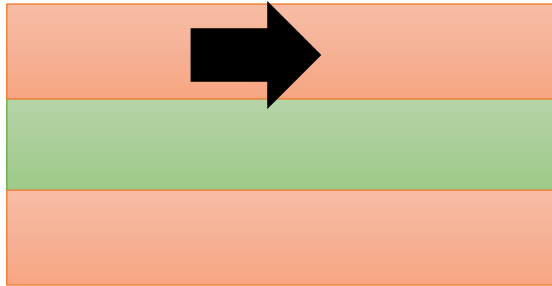
# Monroe County Metrics Summary



This is a CWD Affected County



# 2021 Monroe Deer Metrics



Deer metrics suggest deer population is stable but still higher than desired

**1 : 1.19**

2021 Farmland Zone  
Buck to antlerless  
harvest ratio

## Population Estimate



Population estimate declined for 2022 but trending high overall in the farmland zone

## Car Collisions



Stable overall but might not be telling the full story

## Ag Damage



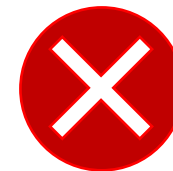
Ag damage permits have been stable last 5 years

## Fawn:Doe Ratios



Slight decline but expected due to high deer density

## Forestry Impact



New forest growth has been significantly impacted in localized areas

## Hunter Observations



Deer observations are stable overall

# Tools for 2022

- Bonus Permit Setting
- Holiday Hunt in Farmland Zones
- Antlerless Only Hunts for All Seasons in Farmland zones with maintain/decrease objective
- Youth antlerless tag use in buck-only counties
- Additional or No antlerless permits in Farmland Zone and Metro Sub-units
- Extend Archery/Crossbow Seasons to January 31 IF Holiday Hunt is recommended







# Farmland Zone Option

- Holiday Hunt
  - Antlerless only season
  - Dec. 24-Jan. 1
- Extend Archery/Crossbow Season
  - Only if HH recommended
  - Until Jan, 31 2023
  - Bucks and Antlerless allowed

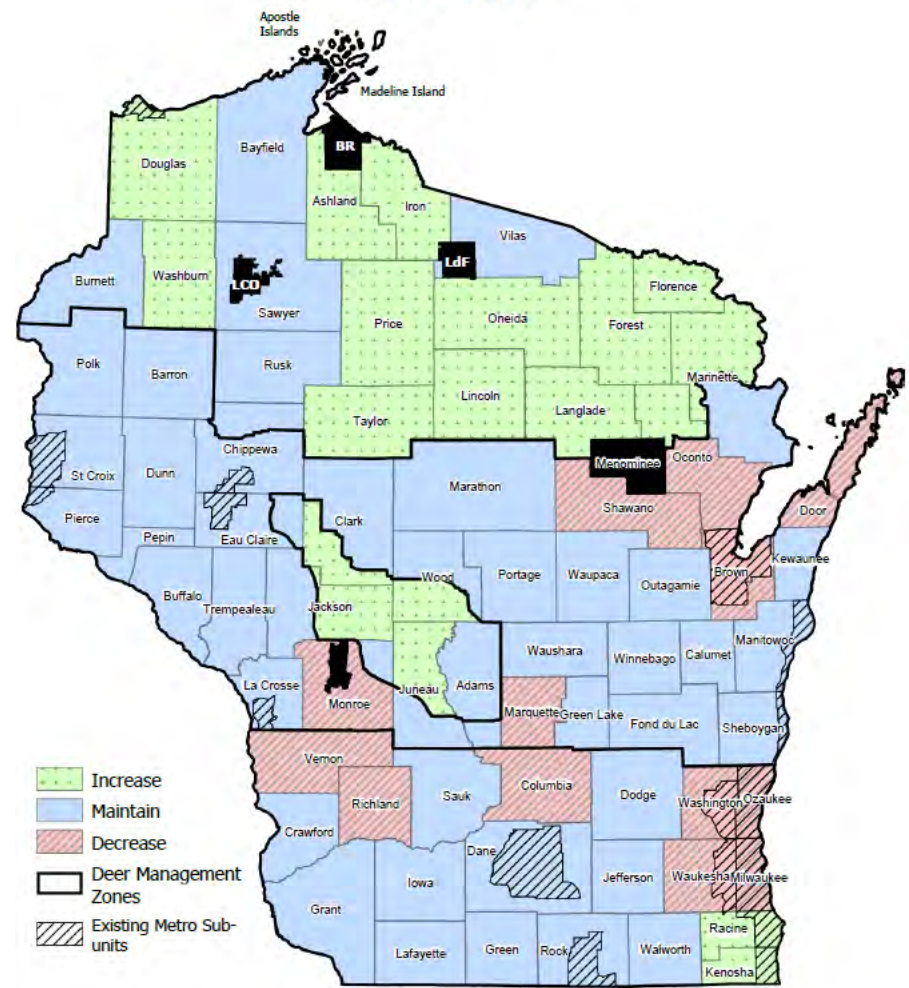
Deer Management Zones



# Additional Options

- If in a Decrease or Maintain population objective:
  - Make recommendation on allowing antlerless only for all seasons

Population Objectives, Deer Management Units and Deer Management Zones 2021-2023



# Monroe County - Central Forest Zone

## Quota Starting Points

Predicted 2022 Pre-Hunt Population	Predicted Buck Kill 2022	Quota to Maintain	0 X Buck Kill	1/2X Buck Kill	1X Buck Kill	1.5X Buck Kill	2X Buck Kill
5,100	370		% Change in Population 12%	% Change in Population 7%	% Change in Population 2%	% Change in Population -3%	% Change in Population -8%
		447	Quota 0	Quota 186	Quota 372	Quota 558	Quota 744

Monroe County population objective  
**Maintain**

# Monroe County - Central Farmland Zone

## Quota Starting Points

Predicted 2022 Pre-Hunt Population	Predicted Buck Kill 2022	Quota to Maintain	0 X Buck Kill	1/2X Buck Kill	1X Buck Kill	1.5X Buck Kill	2X Buck Kill
42,000	3,300		% Change in Population 22%	% Change in Population 16%	% Change in Population 10%	% Change in Population 4%	% Change in Population -2%
2021 Post Hunt Population = 31,300		6000	Quota 0	Quota 1647	Quota 3294	Quota 4942	Quota 6589

Monroe County population objective  
**Decrease**

# Quota Setting

## Consider Previous Harvests and Influence

Monroe Central Forest		
Year	Harvest	Quota
2019	201	350
2020	238	350
2021	239	500

Monroe County population objective  
**Maintain**

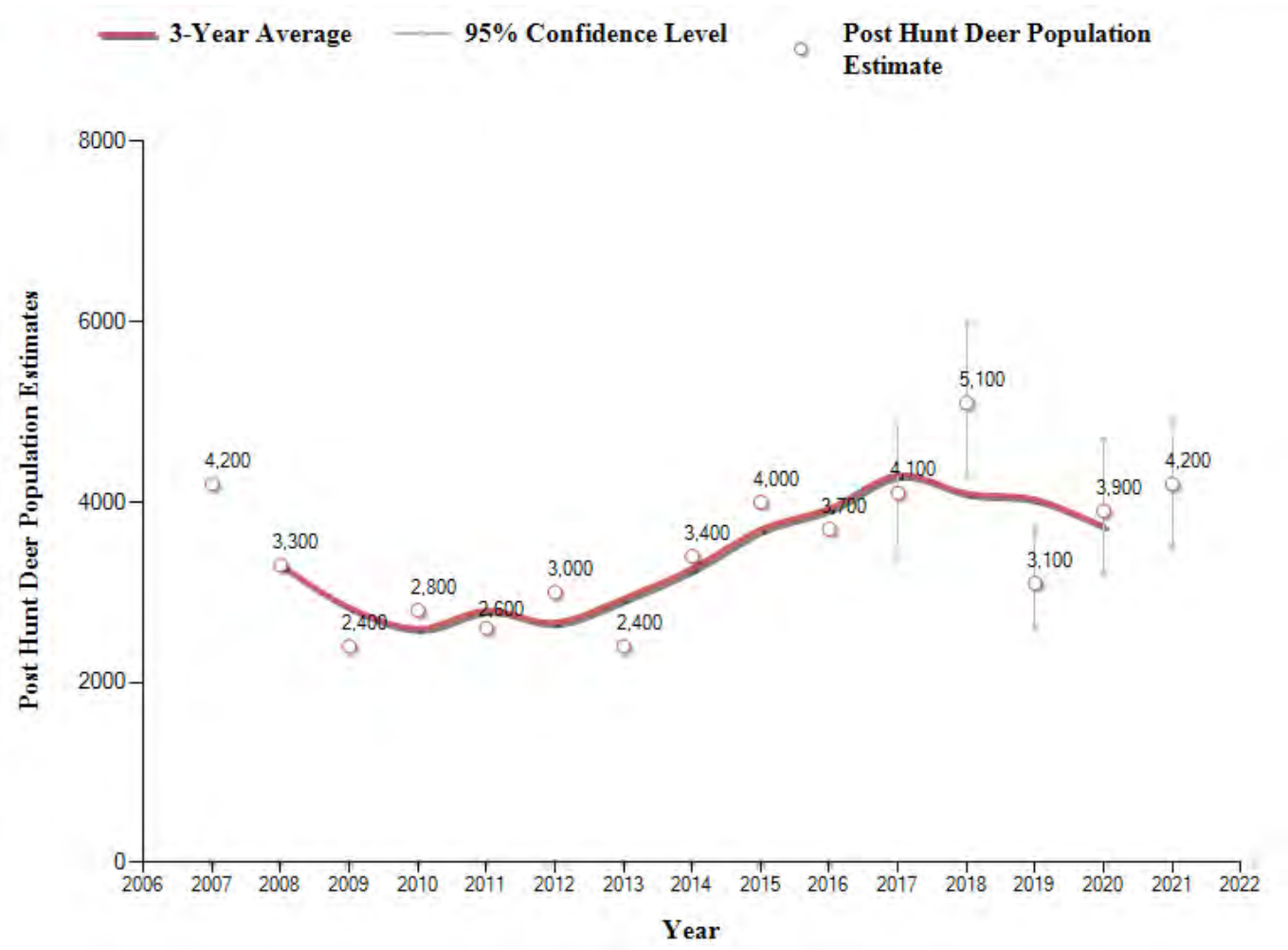
Monroe Central Farmland		
Year	Harvest	Quota
2019	3169	4000
2020	3979	5400
2021	3627	6000

Monroe County population objective  
**Decrease**



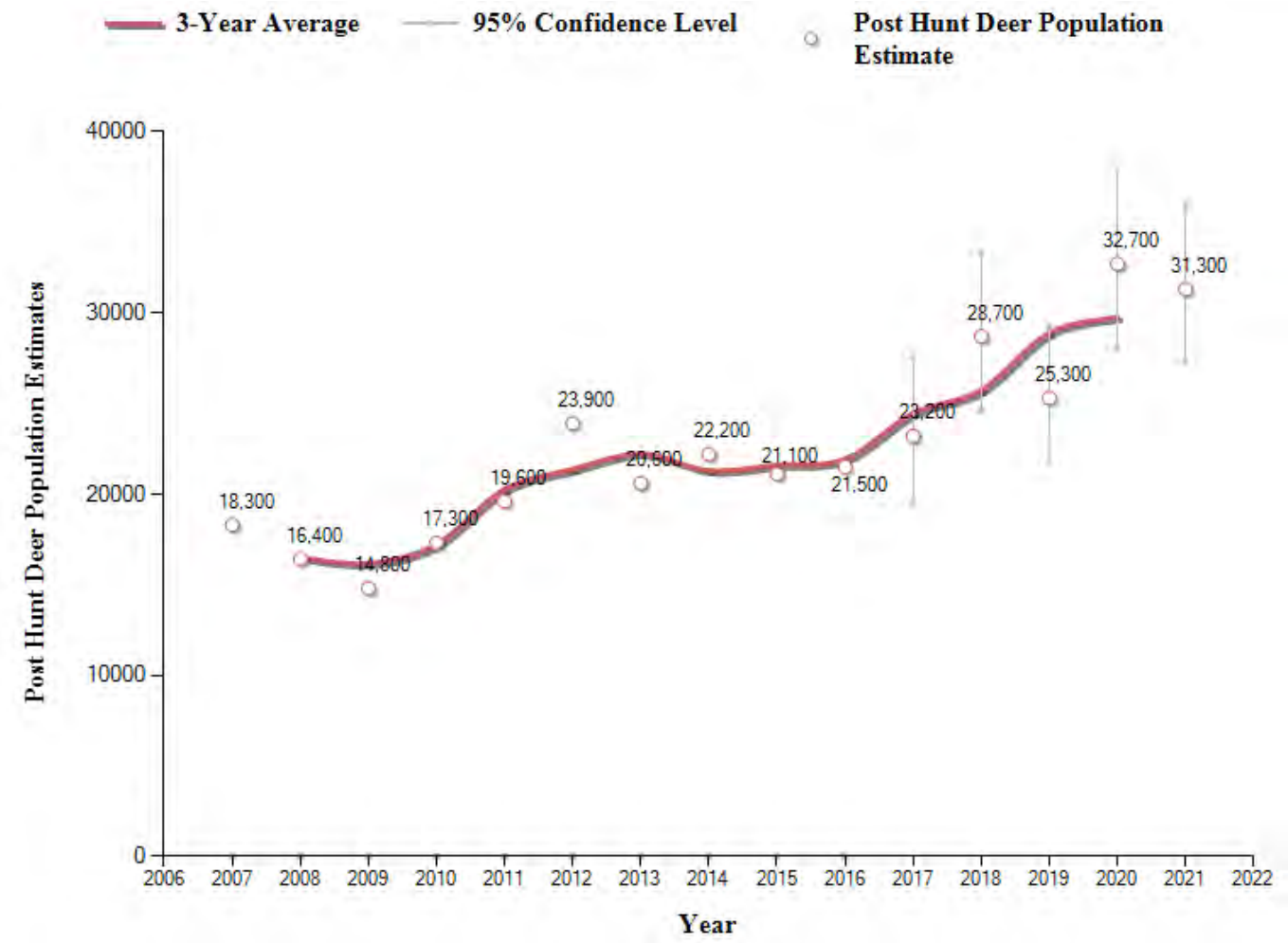
# Monroe County - Central Forest Zone

## Deer Population Trend



# Monroe County - Central Farmland Zone

## Deer Population Trend



# Monroe County

## 2021 Antlerless Harvest and Authorization Issuance

**Desired Harvest** 6,500  
**Actual Antlerless Harvest** 3,866\* \*Contains youth, ag damage, military, disabled registrations.

### Forest Zone Bonus Authorization Summary

<i>Land Type</i>	<i>Available</i>	<i>Issued</i>	<i>Harvest</i>	<i>Success</i>
Public	300	300	49	16.3%
Private	1,375	679	141	20.8%

### Farmland Zone Bonus Authorization Summary

<i>Land Type</i>	<i>Available</i>	<i>Issued</i>	<i>Harvest</i>	<i>Success</i>
Public	600	260	12	4.6%
Private	1,500	680	112	16.5%

### Junior Antlerless Authorization Use/Harvest Summary

<i>Land Type</i>	<i>Available</i>	<i>Antlerless Harvest</i>
All	One/license	195

# Forest Zone

## Determining 2022 Permit Levels

2022 Antlerless Quota: 500

2022 Bonus Permits: 2,000

### Theoretical Example

Success Rate = 25%

Calculation:  $500 / .25 = 2,000$  bonus permits to achieve quota

Rounded to nearest 25

Final County Permits: 2,000

**Set realistic permit levels!**

# Forest Zone

## Dividing Antlerless Authorizations Between Public and Private Land

2022 Antlerless Quota: 500

2022 Bonus Tags: 2,000

### Options as a starting point to dividing authorizations:

- Consider the private and public issuance you have used in the past.
- Consider the % of private and public land in the county and divide the authorizations similar to that %.



# Farmland Zone

## Determining 2022 Authorization Levels

2022 Antlerless Quota: 6,000

2022 Bonus Tags Available: ?

### Theoretical Example

Bonus Success Rate = 13%

Calculation:  $6,000 / .13 = 46,154$

Minus 2021 FZ tags issued:  $46,154 - 46,374 = -220$   
(round to nearest 25)

**Set realistic tag levels!**

# Farmland Zone

## Determining 2022 Permit Levels

Success Rate		0.13
Total Permits		46,154
Estimated FZ Tags		46,374
Bonus Permits		(220)

# Farmland Zone

## Dividing Antlerless Authorizations Between Public and Private Land

2022 Antlerless Quota: 6000

2022 Bonus Tags: 2100

### Options as a starting point to dividing authorizations:

- Consider the private and public issuance you have used in the past.
- Consider the % of private and public land in the county and divide the authorizations similar to that %.

# 2022 CDAC Timeline

- 3/21-3/31: 1<sup>st</sup> Round of CDAC Meetings
- April 9-15: Public Comment Period
- 4/25-5/5: Final Round of CDAC meetings
- May 23: Final recommendations to NRB  
and public
- June 22: NRB final approval

# CONNECT WITH US

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**WDNR Wildlife Biologist**

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Phone: 715-697-3642



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"WILD WISCONSIN:  
OFF THE RECORD"