

CWD COLLABORATIVE PROCESS

# TOWARD A SUSTAINED FUTURE



Chronic Wasting Disease

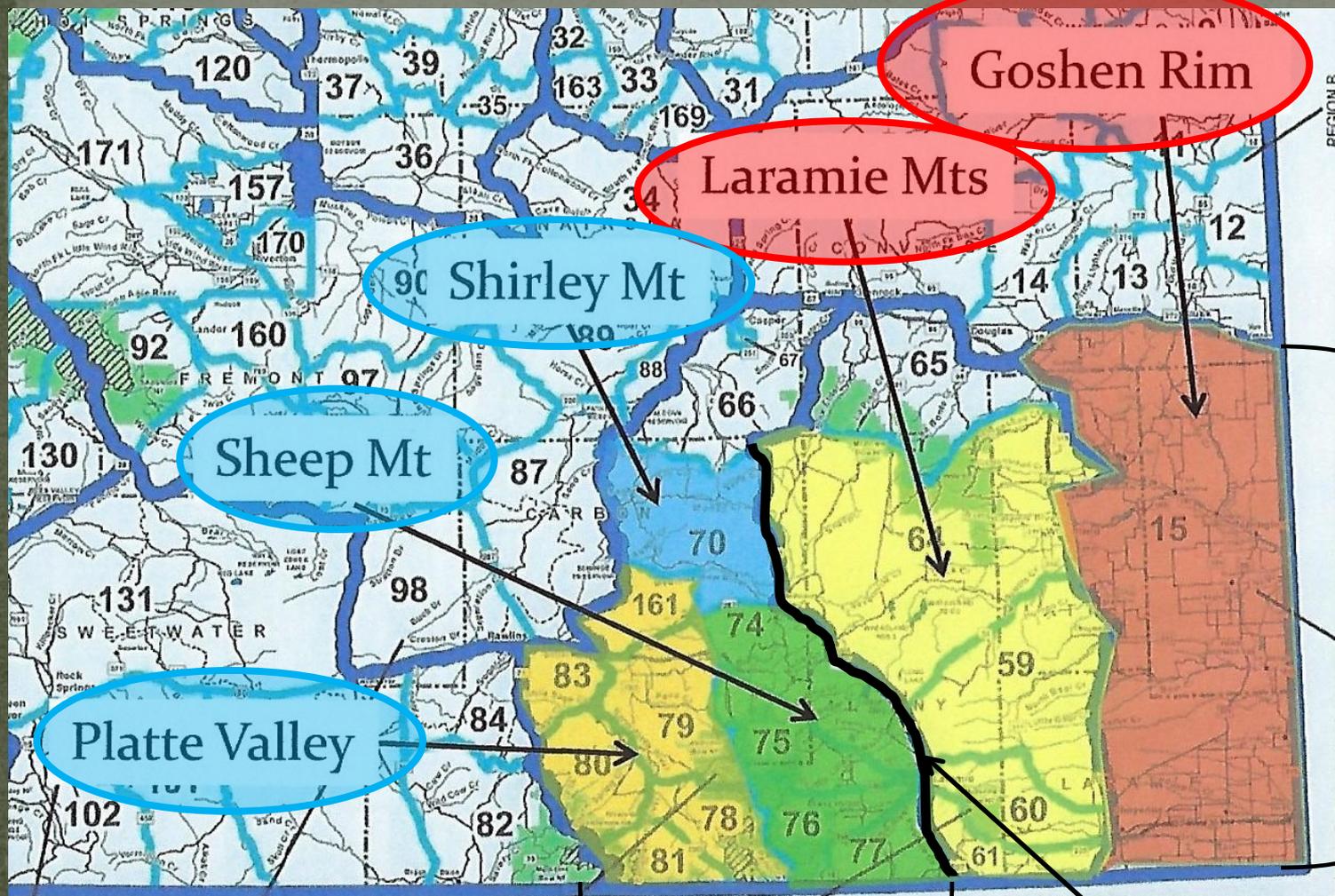
# Laramie Region

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Chronic Wasting Disease



# CWD in the Laramie Region



Goshen Rim

Laramie Mts

Shirley Mt

Sheep Mt

Platte Valley

Herds > 10% prevalence

Herds < 10% prevalence

Split by Hwy 30, 487

## Goshen Rim Mule Deer Herd Unit

- Population Objective: 20,000 mule deer
- Stable population fluctuating around 11,500 mule deer, ~40% below the objective
- Buck ratios run around 35 bucks:100 does- above management objectives of 20-29 buck:100 does
- Fawn ratios run around 60 fawns:100 does
- Started collected age from harvested deer in 2018- average age was 4.5 years old (n=77)
- Future plan is to correlate age with CWD positive deer

## Class I <19" width



- Started to collect antler class data in 2013
- Harvest data indicates there are Class III available, but see very few during post-hunt surveys in 2017, 2018 compared to previous years
- Class I average age: 3.5 years old
- Class II average age: 4.5
- Class III average age: 5.5 (n=66)

## Class II 20"-25" width

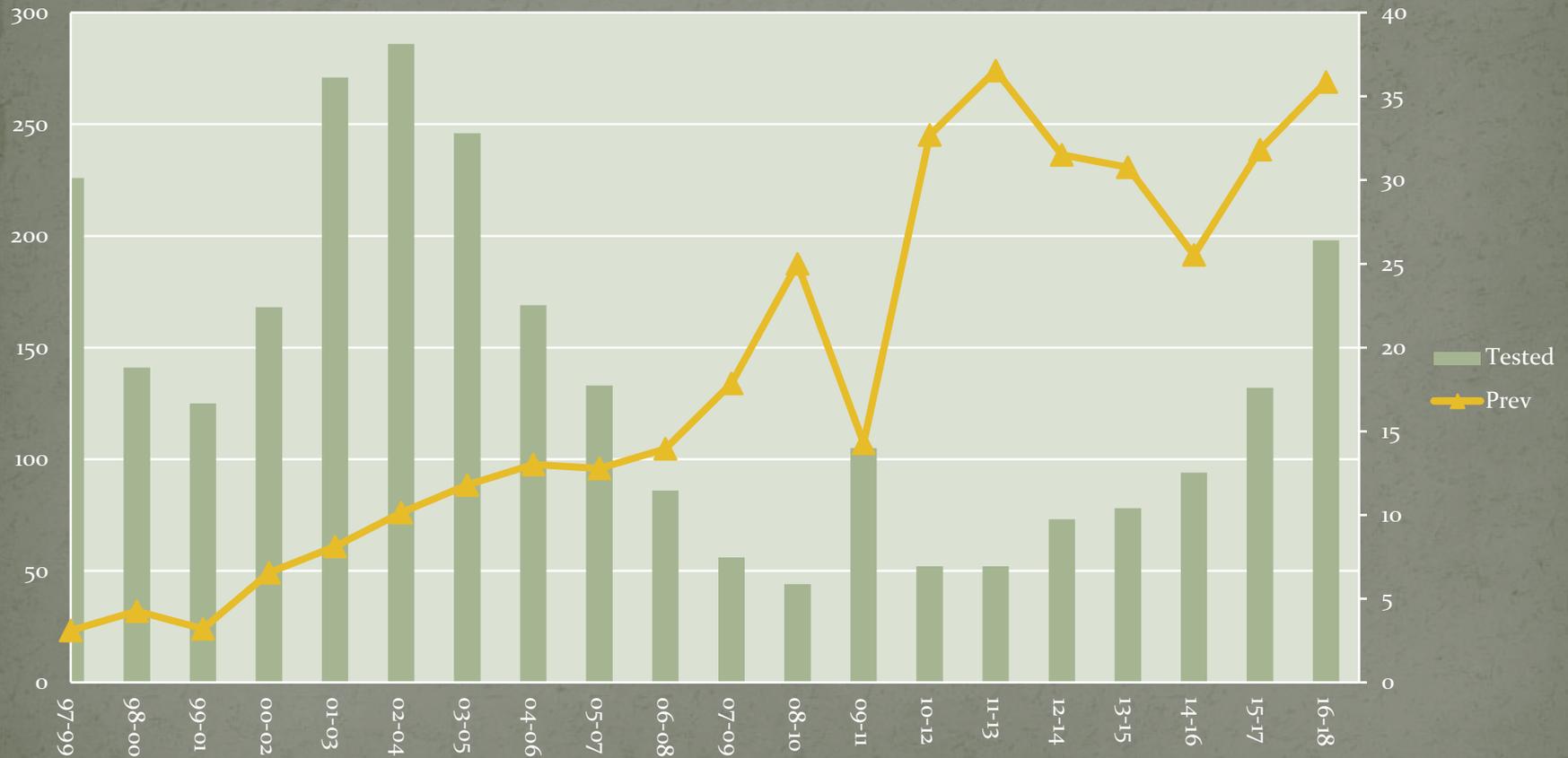


## Class III > 26" width



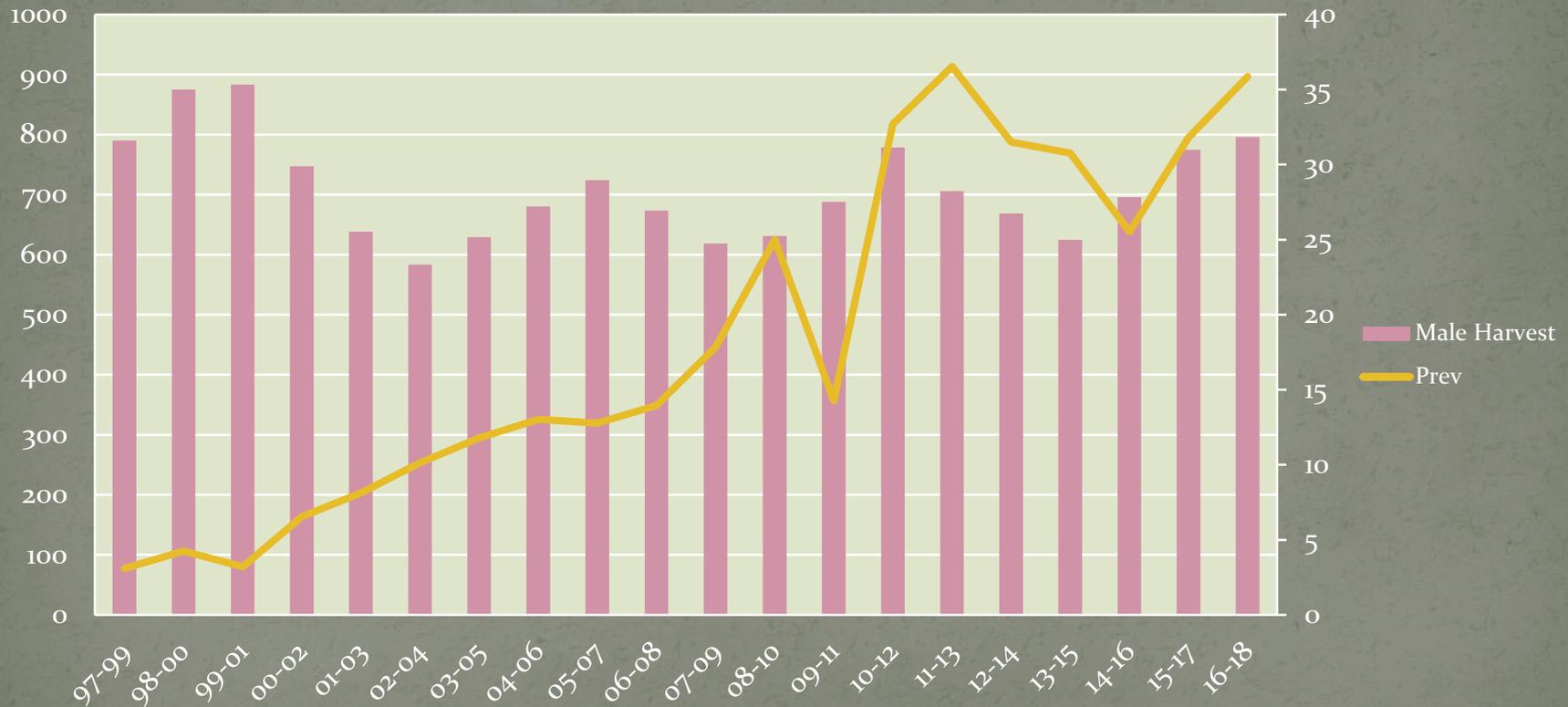
# Goshen Rim Mule Deer Herd Unit

## MD534 CWD Prevalence, 3-Year Avg, 1997-2018



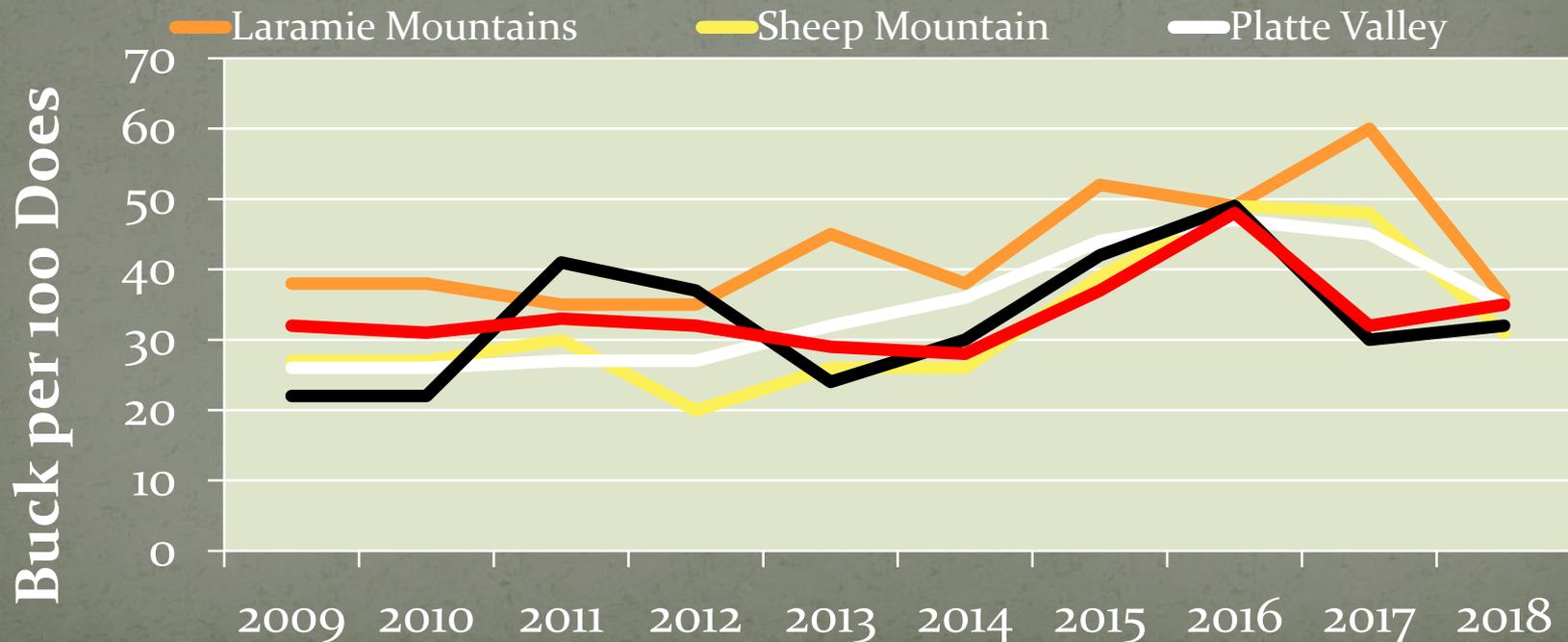
# Goshen Rim Mule Deer Herd Unit

## MD534 CWD Prevalence and Male Harvest, 3-Year Running Avg



# Laramie Mountains Herd Unit

- Population Objective: 20,000
- 2018 post-season population estimate ~15,000 (able to use survival rates from S. Converse Study for 2010-2018)
- Buck ratios average 48 bucks: 100 does, well above the management goal of 20-29 bucks:100 does. However, they decreased significantly in this past year.

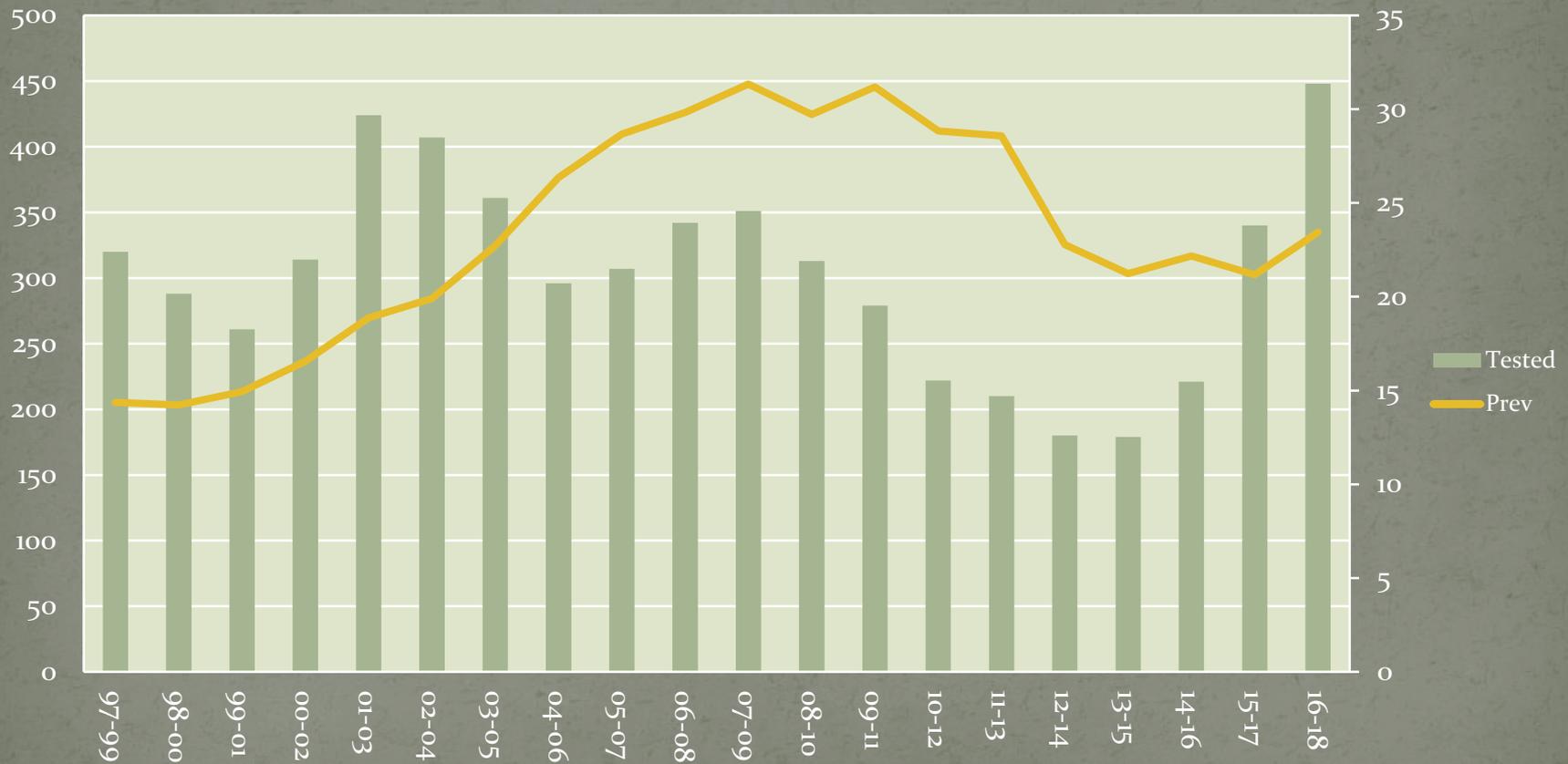


## Laramie Mts Mule Deer Herd cont....

- Fawn ratios average 69 fawns: 100 does for the past 5 years, but decreased significantly in 2018 (57 fawns: 100 does)
- Average age from 2018 tooth samples (n=161) was 4.5 years old and a 19" antler spread
- Class I average age: 3.5 years old (n=69) oldest was 7 years old; 19" antler width
- Class II average age: 5 years old (n=61) oldest was 9 year old; 20" antler width
- Class III average age: 5.5 years old (n= 7) oldest was 6 years old; 28" antler width
- Antler Class Data similar to Goshen Rim Herd Unit- decrease in Type III deer for classifications and harvest data

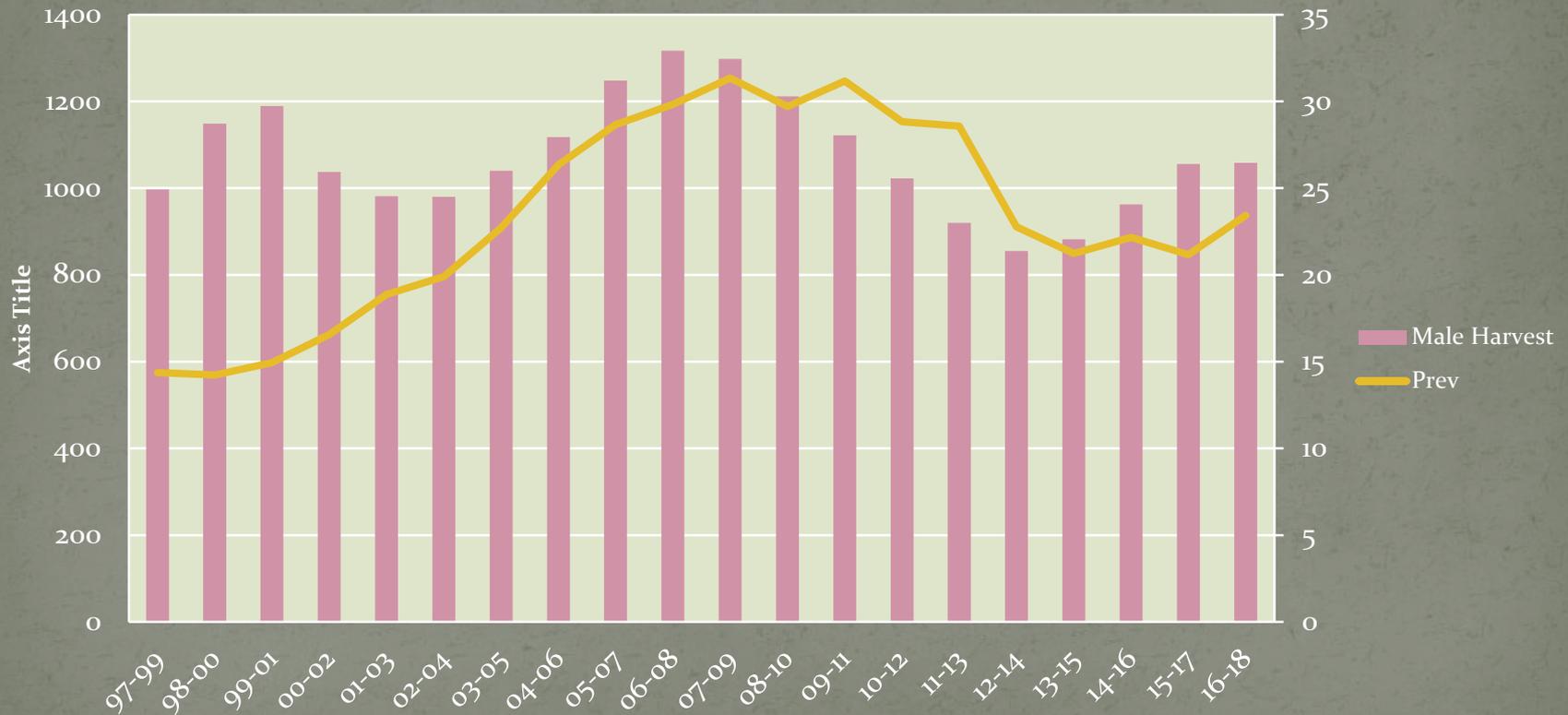
# Laramie Mts Mule Deer Herd Unit

## MD537, CWD Prevalence, 3-year running average 1997-2018



# Laramie Mountains Mule Deer Herd Unit

## MD537 CWD Prevalence and Male Harvest, 3-Year Running Avg- 1997-2018



# Where do we go from here?

- Learn from herds with high prevalence
- Is there potential to reduce prevalence
- Neighbors to the south and use WAFWA plan

