CWD COLLABORATIVE PROCESS

TOWARD A SUSTAINED FUTURE

Chronic Wasting Disease
Laramie Region

Chronic Wasting Disease
CWD in the Laramie Region

- Herds > 10% prevalence
- Herds <10% prevalence
- Split by Hwy 30, 487

Areas:
- Goshen Rim
- Laramie Mts
- Shirley Mt
- Sheep Mt
- Platte Valley
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
• 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)
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