

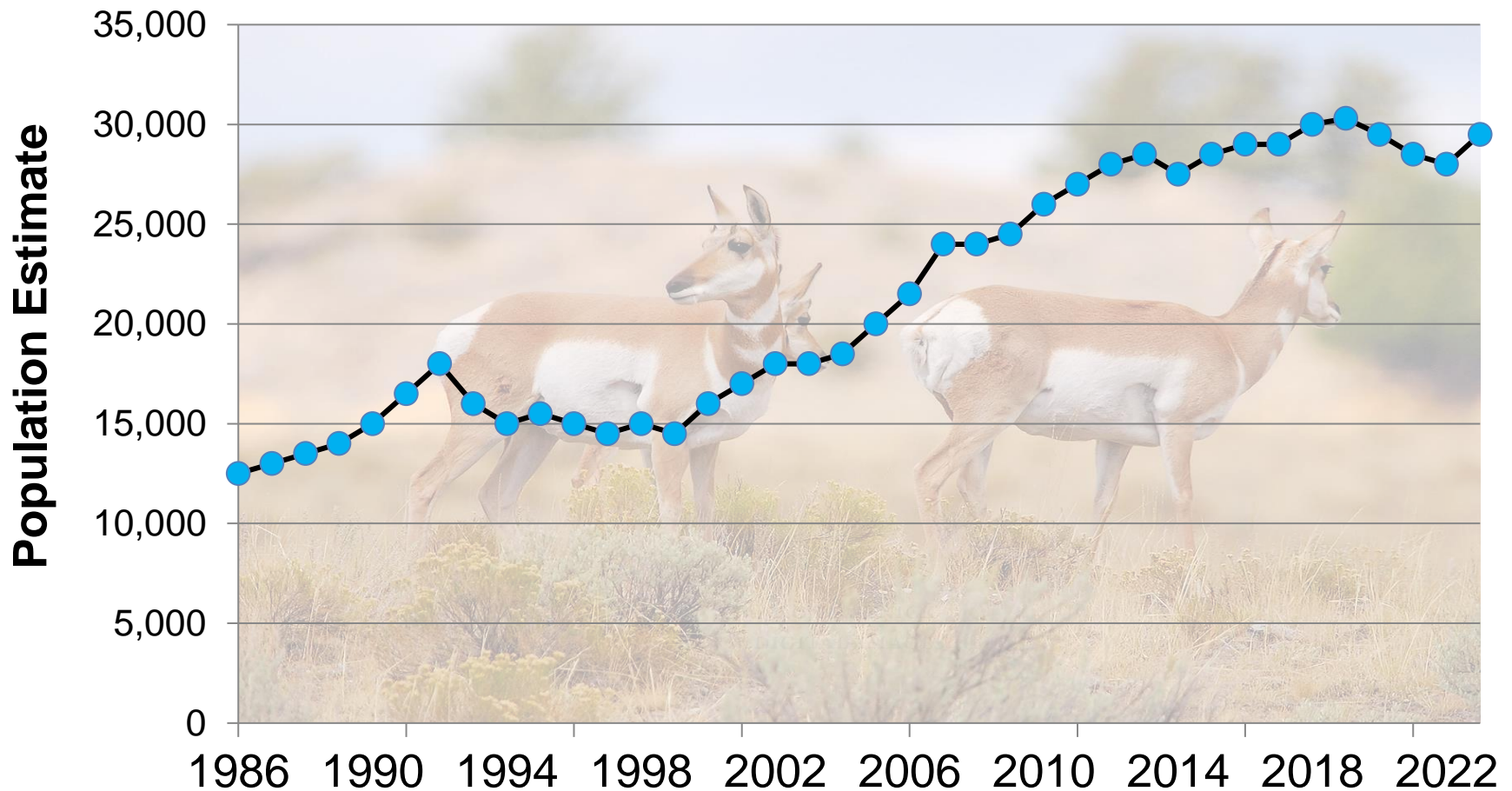
ANTELOPE STATUS IN NEVADA: 2023 QUOTA RECOMMENDATIONS

Presented by: Cody A. Schroeder
Wildlife Staff Specialist

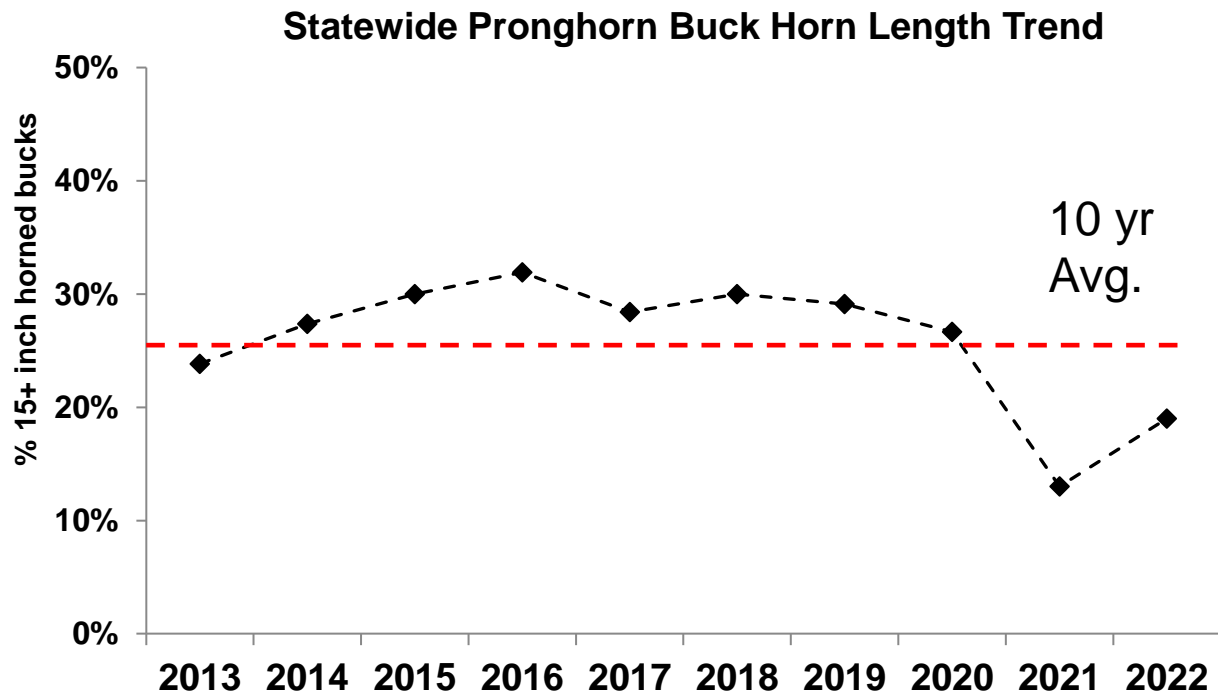


Antelope Status: Population Trend

Statewide Antelope Population



Antelope Status: Harvest Trend



Antelope Management Objectives:

Statewide Objective	
Buck:doe ratio	25 Bucks:100 Does (range 20-30 buck:doe \geq 2 yrs old)
Applicable hunt units	All Open Units

Doe Harvest Strategy:

Small populations: 1-10% harvest of adult doe population

- Populations below 1,500

Larger populations: 5-20% harvest of adult doe population

- Populations above 1,500

Antelope Status: Quota Recs

2023 Antelope Quota Recommendations

Horns Longer Thans Ears

Weapon Class	Nonresident Tags	Resident Tags	Total
Any Legal Weapon Tags	183	1,621	1,804
Muzzleloader Tags	9	63	72
Archery Tags	34	256	290

Horns Shorter Thans Ears

Weapon Class	Nonresident Tags	Resident Tags	Total
Any Legal Weapon Tags	NA	1,068	1,068

NR HLTE Tags

226

Nonresident %

10.4%

Resident HLTE Tags

1,940

Resident %

89.6%

Total Tags

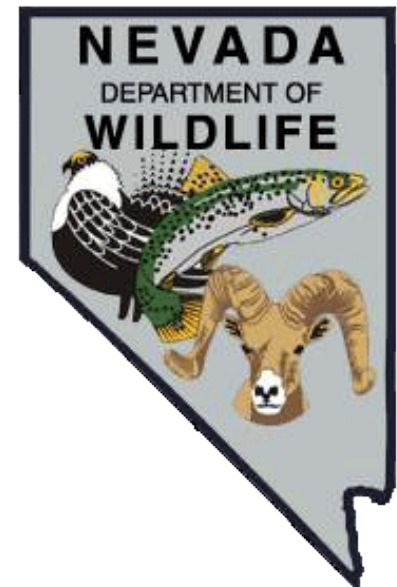
2,166

% of Tags by Residency

* Percentage based on Horns Longer Than Ears Tags for ALW, Muzzleloader, and Archery Only

MULE DEER STATUS IN NEVADA: 2023 QUOTA RECOMMENDATIONS

Presented by: Cody A. Schroeder
Mule Deer Staff Specialist





Cold Creek – Dead Fawn 4-5-2023



Ruby Valley Deer Survey 4-1-2023



March 2023 Climate Summary

Northeastern & Central Nevada

Image by Ray Martin

Location	Average Temp (°F)	Departure From Normal	Precipitation (inches)	Percent of Normal Precipitation	Snowfall (inches)
Elko Period of Record from 1890	29.7° (4 th Coldest)	-10.2°	1.66"	171%	11.2"
Ely Period of Record from 1893	25.9° (3 rd Coldest)	-11.8°	2.42" (5 th Wettest)	246%	28" (3 rd Snowiest)
Eureka Period of Record from 1963	27.7° (3 rd Coldest)	-10.3°	2.15" (5 th Wettest)	221%	Not Available
Tonopah Period of Record from 1954	36.3° (3 rd Coldest)	-7.5°	0.82"	157%	Not Available
Winnemucca Period of Record from 1877	35.7°	-6.9°	1.89" (7 th Wettest)	217%	10.3" (11 th Snowiest)

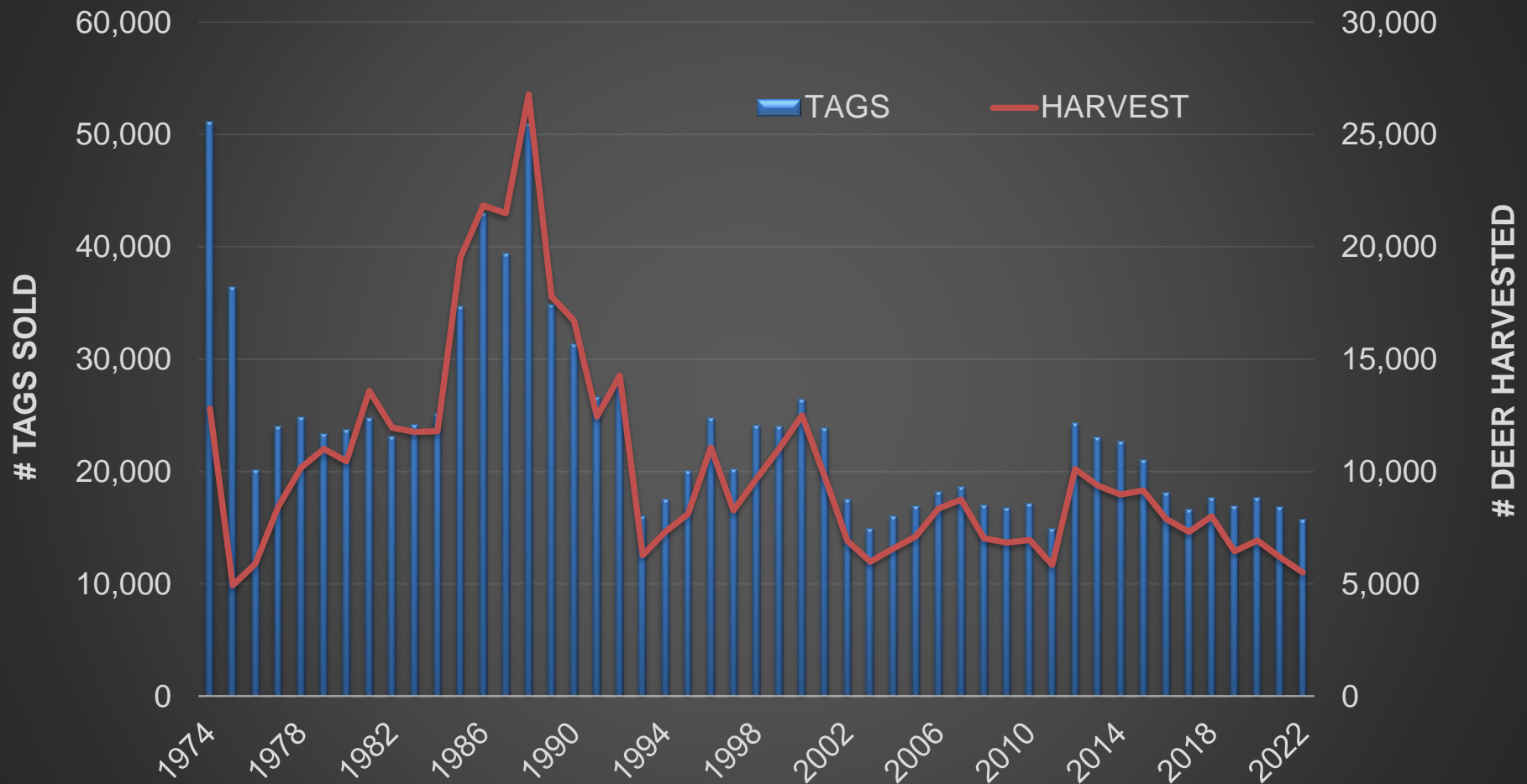


axis-bigbaldmtn elev:9295' X:+170.76 Y:-4.31 Z:1.0 © NV Seismo Lab 2023/04/15 10:01:22.56 ALERTWildfire.org

Bald Mt Mine 4-15-2023 Crucial Migration Route for Mule Deer

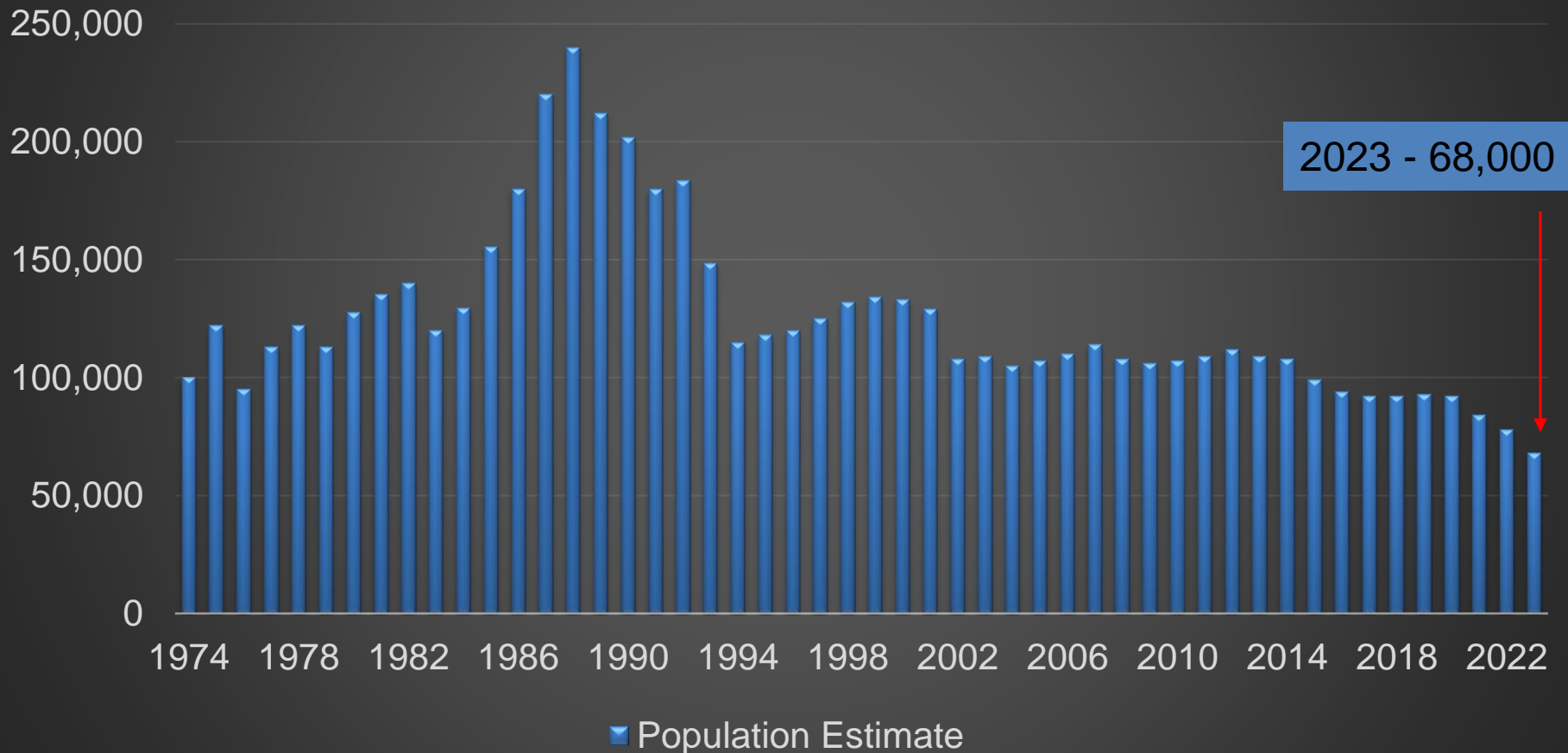
Deer Status: Harvest Trend

Statewide Mule Deer Harvest and Tag Sales 1974 -2022

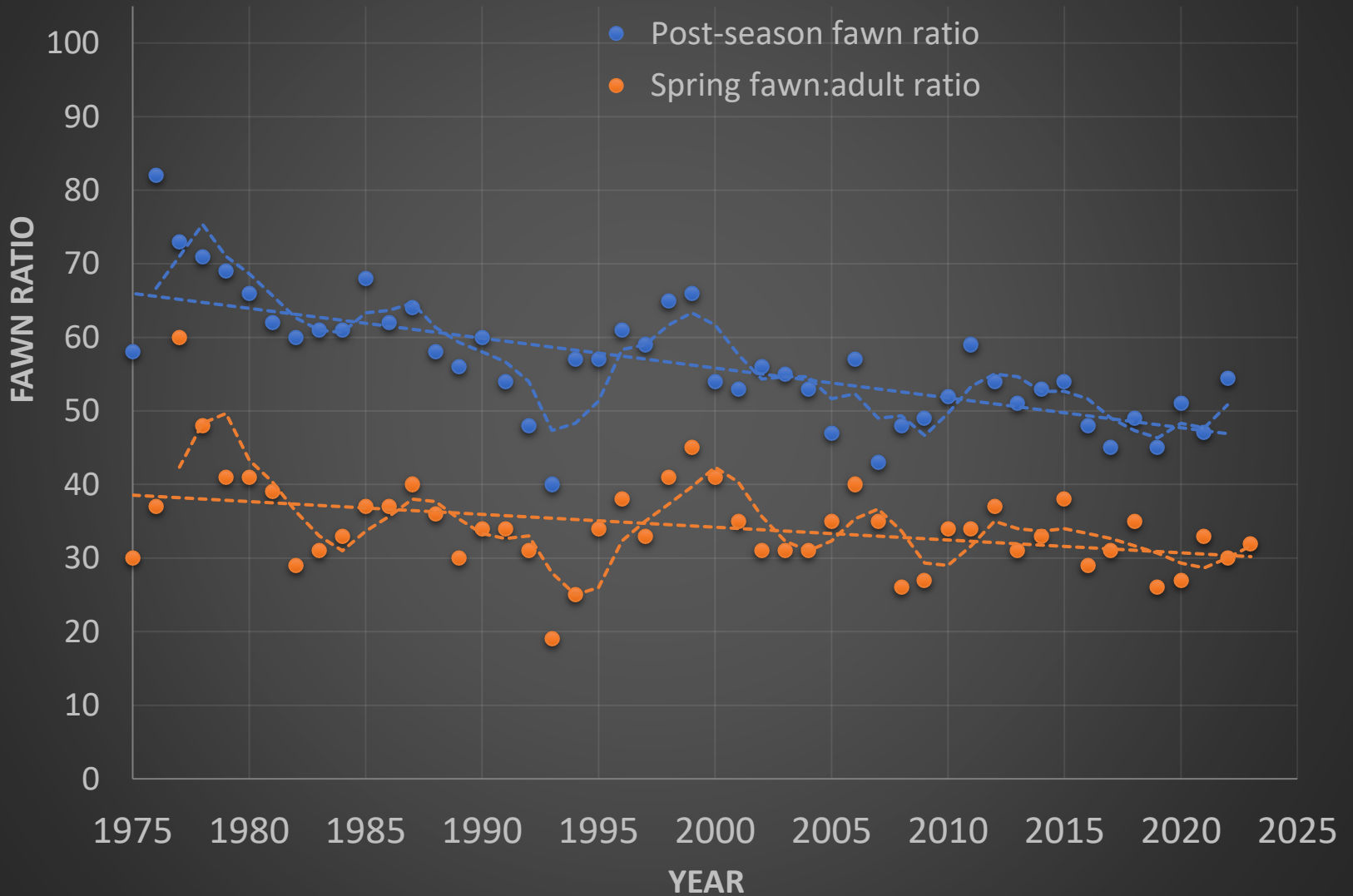


Deer Status: Harvest Trend

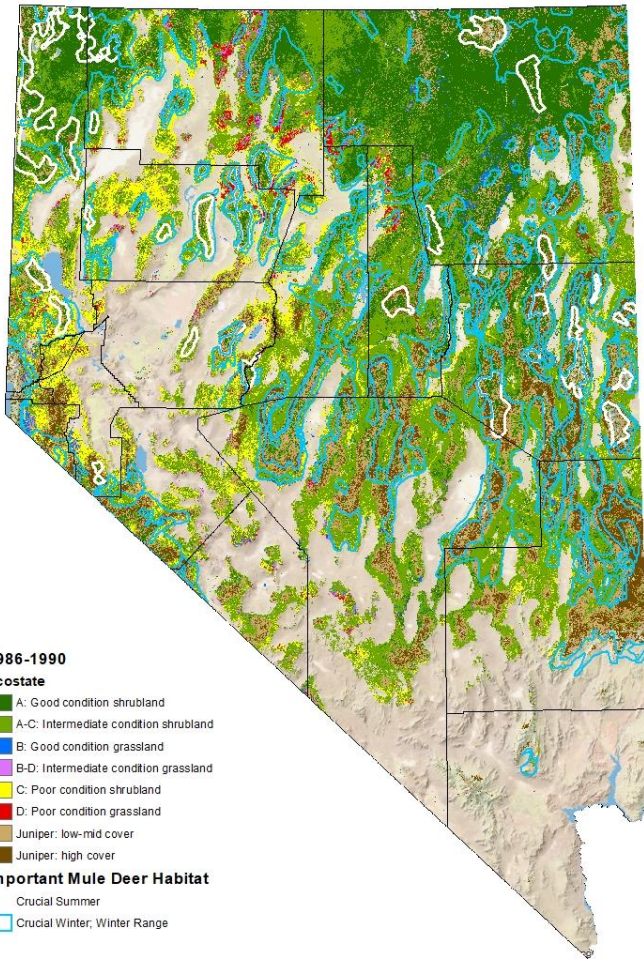
Nevada Statewide Population Estimate 1974 -2023



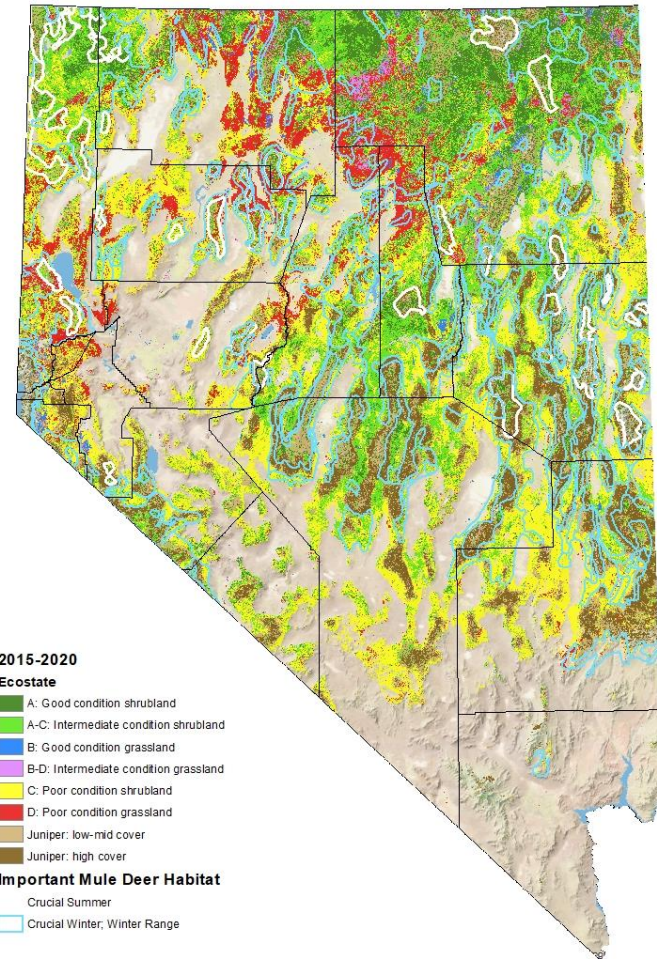
Statewide Fall and Spring Deer Survey (1975-Current)



1986 – 1990 Ecostate Map

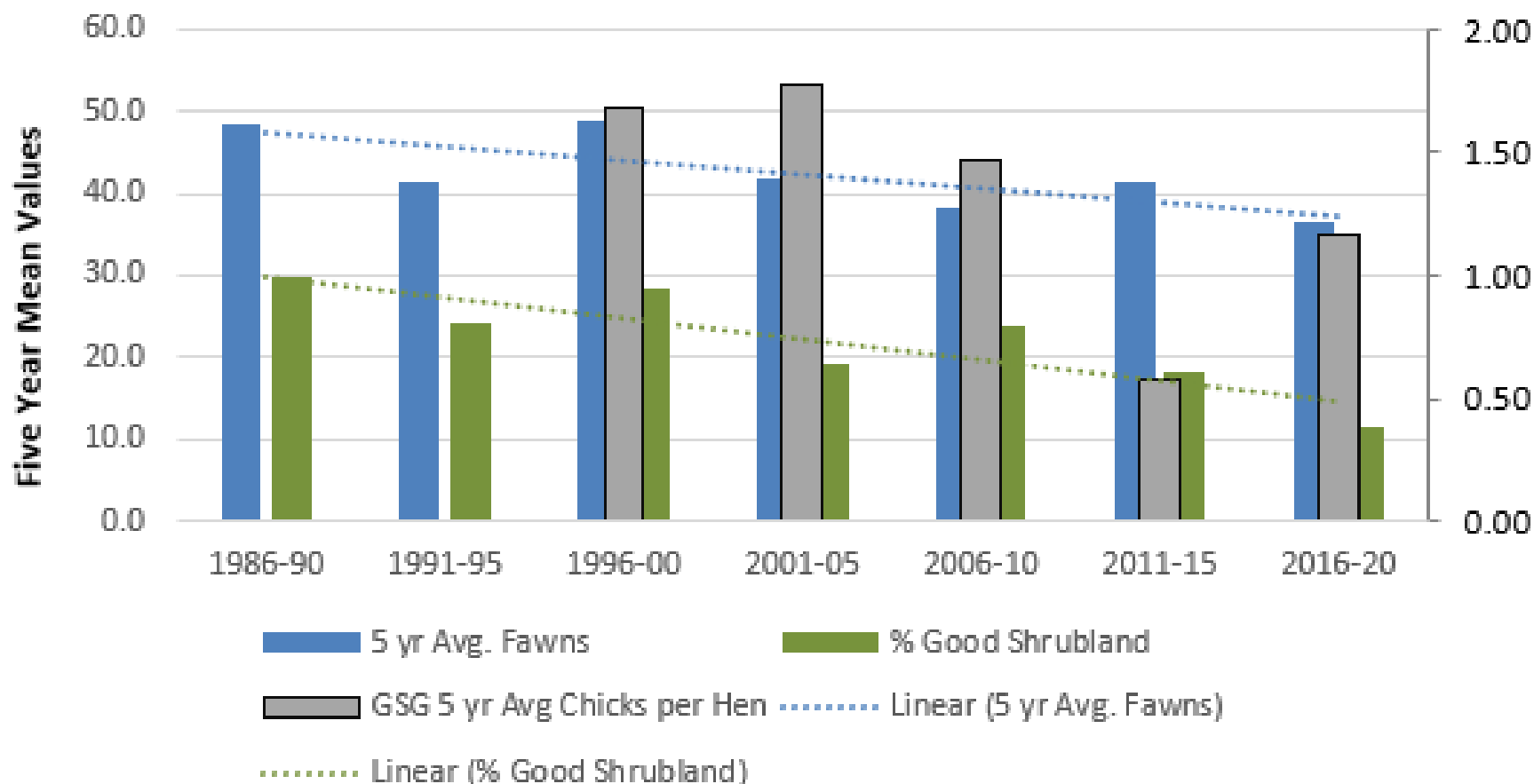


2015 – 2020 Ecostate Map



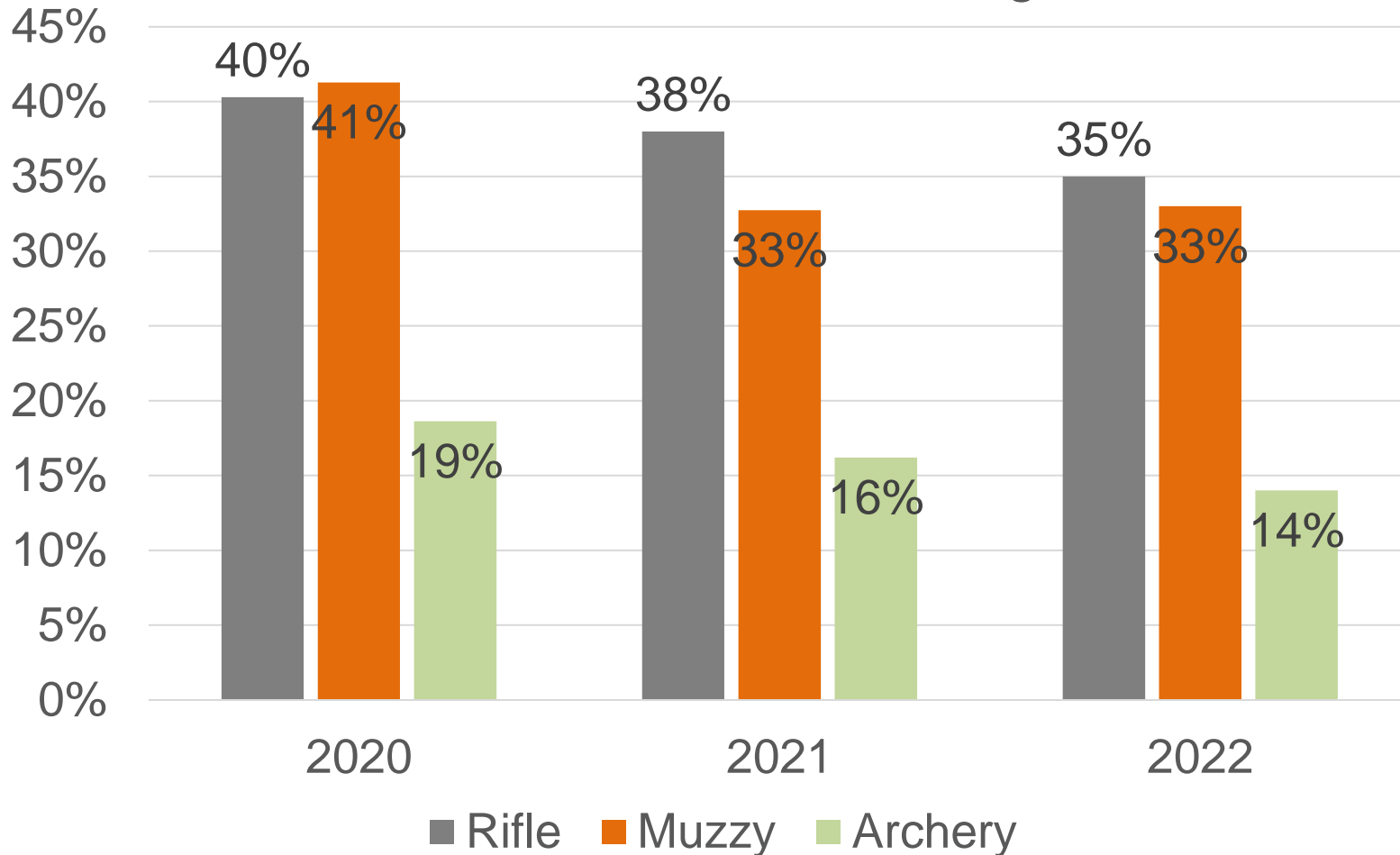
Deer Status: Fawn Ratio Trends

Trend in Observed Fall Fawn:Adult Ratios and % Good Condition Shrubland 1986 - 2020

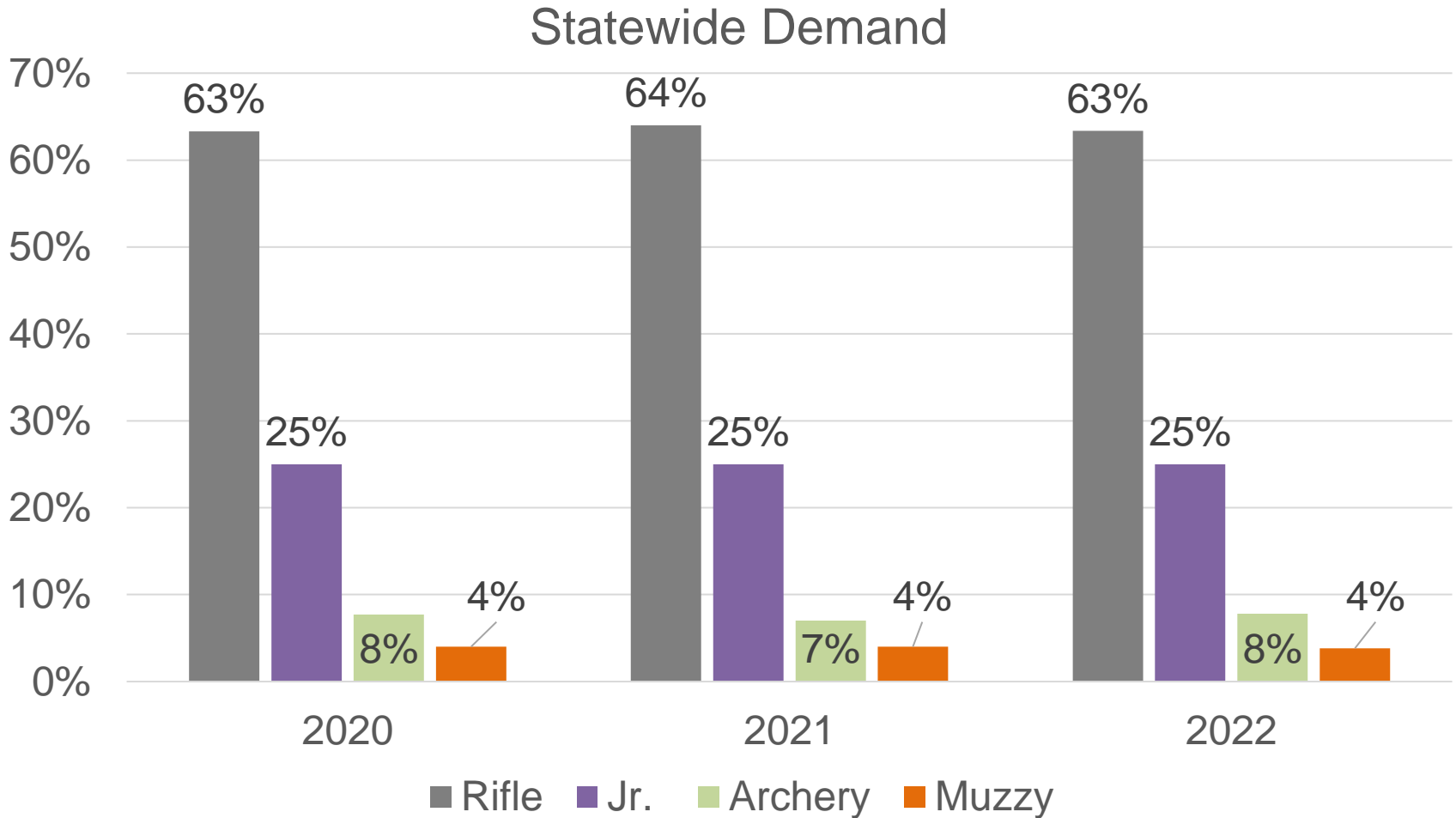


Deer Status: Hunt Success

Statewide Antlered Deer Tag Success



Deer Status: Demand for Tags



Demand: Mule Deer Quotas

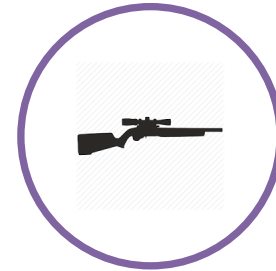
Measure of interest based on 1st Choice applications from previous year



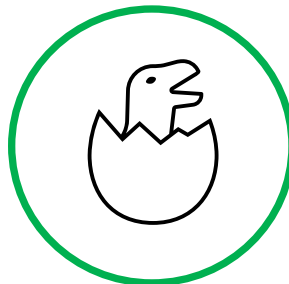
ARCHERY



MUZZLELOADER



ANY LEGAL WEAPON



JUNIOR
HUNT

Allocation of Deer Quotas: Example

Desired Buck Harvest 100
Bucks allocated to Juniors - 25

Remaining Demand 75%

	Junior	Archery	Muzzleloader	Any Legal Weapon
Demand (%)	25%	8%	4%	63%
Bucks To Harvest	25	8	4	64
Success Rate (%)	61%	20%	40%	44%
Final Tag Quota	41	37	10	146

Total Tags = 234

Mule Deer Management Objectives

Standard

30 Bucks per 100 Does

- Most Units across the state

Alternative

35 Bucks per 100 Does

- 40 -55% Hunt Success; 50-75% 4 pt or greater
- WR – 014, 033, 194-196
- ER – 065, 081, 114-115, 131-134
- SR – 221-223, 241 – 245

Non-Standard

Hunt Success (3 yr avg)

- 35 – 45% for 6 Unit Groups
- \geq 45% for 8 Unit Groups

Mule Deer: Quota Recs

2023 Mule Deer Quota Recommendations				
Hunt Category	NR Guided	Nonresident	Resident	Total
Any Legal Weapon Tags	291	302	5,342	5,935
Muzzleloader Tags	NA	71	455	526
Archery Tags	NA	206	1,985	2,191
Junior Tags	NA	NA	1,926	1,926
Antlerless Deer Tags	NA	NA	205	

<u>Nonresident %</u>	<u>Resident %</u>
10.06%	89.94%

	2023	2022	% Change
Buck Tags	8,361	11,384	-36.2%
Doe Tags	205	695	-70.5%
Jr Tags	1,926	2,750	-42.8%
NR Guided	291	356	-22.3%
Grand Total	10,783	15,185	
% Change	-40.8%		

Commission Policy Number 24

DEMAND-TAG SUCCESS

A Demand-Tag Success formula will be used to allocate tags to various weapon classes for deer, elk, and antelope.

Demand is defined as the measure of interest that a particular hunter group has in attaining a big game tag based on applications from previous years for a given hunter group and unit group. Demand is defined as the First Choice of unsuccessful applicants combined with successful applicants for all choices.

Tag Success is defined as the percentage of tag holders responding to their hunt questionnaire and subsequently harvesting a big game animal. Tag success calculations include those tag holders that did not hunt. Tag success, used in the Demand-Tag Success formula, will be primarily based on tag success rates from previous years for a given hunter group and unit group. A long-term or statewide average may be used to moderate erratic variations in tag success rates. Tag success must be used in the Demand-Tag Success Formula to achieve projected harvest while accommodating tag holders that do not hunt.