



# NEVADA DEPARTMENT OF WILDLIFE'S BIGHORN SHEEP MANAGEMENT AND HUNTING SEMINAR



**Shane Bell, 2014 Desert Ram, Unit 252,  
10 years old, 173 1/2**



**Joey Scolari, 2014 California Ram, Unit 031,  
7 years old, 173 4/8**

# Seminar Topics

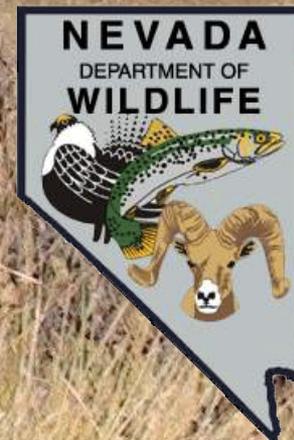
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- HISTORY
  - BIGHORN MANAGEMENT
  - BIOLOGY AND HABITAT
  - IDENTIFICATION OF AGE CLASSES & SCORING
  - HUNTING & REGULATIONS
  - POST HUNT AND TROPHY CARE

# Seminar Topics

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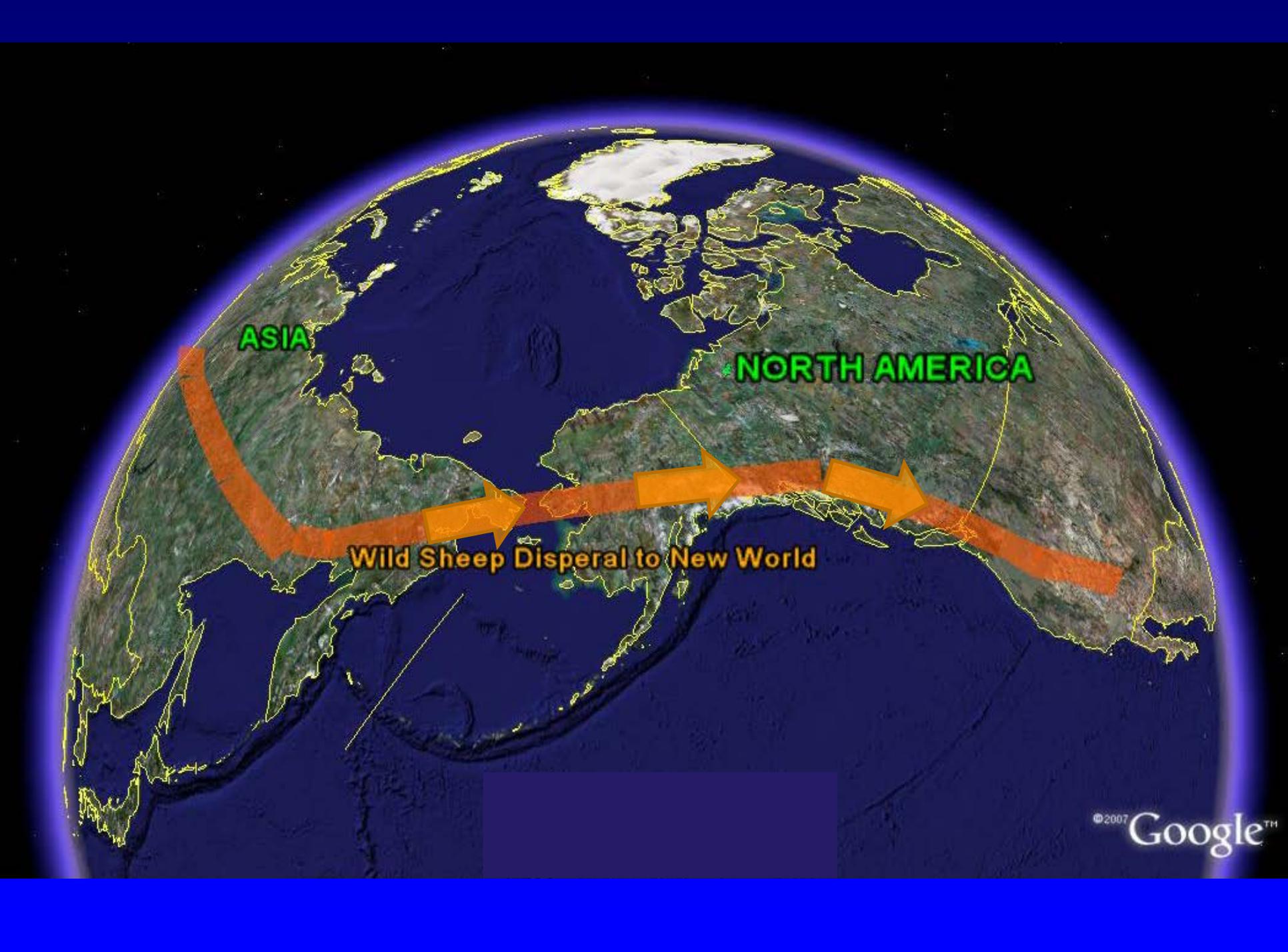
- HISTORY



ASIA

NORTH AMERICA

Wild Sheep Dispersal to New World





# Dall Sheep



# Stone Sheep





**Rocky Mountain Bighorn Sheep**  
*Ovis canadensis canadensis*



**California Bighorn Sheep**  
*Ovis canadensis californiana*



**Desert Bighorn Sheep**  
*Ovis canadensis nelsoni*



Alta Toquima on top of Mt. Jefferson, is one of the highest known Indian encampment in North America. It was used from 6,000 to 800 years ago for hunting bighorn sheep during the summer months.



Mining Boom beginning in late 1800s resulted in unregulated bighorn harvest to feed workers





Domestic sheep grazing beginning in the late 1800s introduced deadly diseases to most bighorn herds in the northern two thirds of Nevada

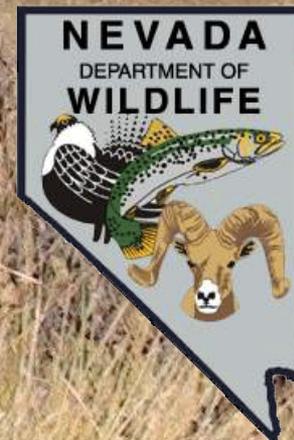




# Seminar Topics

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- **BIGHORN  
MANAGEMENT**





# BIGHORN SHEEP



HART MOUNTAIN WAS THE HOME OF BIGHORN SHEEP BEFORE SETTLERS CAME TO AMERICA. INDIAN WRITINGS SHOW FIGURES OF WILD SHEEP, INDICATING THE BIGHORN WAS IMPORTANT TO THIS EARLY AMERICAN. THE FIRST SETTLERS ALSO HUNTED BIGHORNS FOR FOOD. THEY BROUGHT LARGE HERDS OF DOMESTIC LIVESTOCK TO COMPETE WITH THE SHEEP FOR FORAGE AND INTRODUCED DISEASES THE WILD SHEEP COULD NOT AVOID. IT WAS A COMBINATION OF THESE FACTORS THAT CAUSED THE NATIVE SHEEP TO DISAPPEAR BY THE EARLY 1900'S. IN NOV., 1954. THE OREGON STATE GAME COMMISSION IN COOPERATION WITH U.S. FISH AND WILDLIFE SERVICE, WHO ADMINISTER THIS REFUGE, BROUGHT IN 20 BIGHORN SHEEP FURNISHED BY B.C. CANADA. THIS JOINT EFFORT RE ESTABLISHED THE BIGHORN SHEEP IN THEIR NATIVE HOME ON HART MOUNTAIN. THIS SUBSPECIES OF WILD SHEEP IS CALLED THE CALIFORNIA BIGHORN  
(OVIS CANADENSIS CALIFORNIANA)



Drop Gate Panel  
(Corral) Trap  
used in the early  
1970s











Funded by NBU, Reno



NDOW BIG GAME  
TRANSPORT TRUCK

www.NevadaBigHornsFund.org

Bradford Built



NDOW is using satellite technology to track bighorns in real time with satellite/GPS collars to better understand habitat use and movements after a release



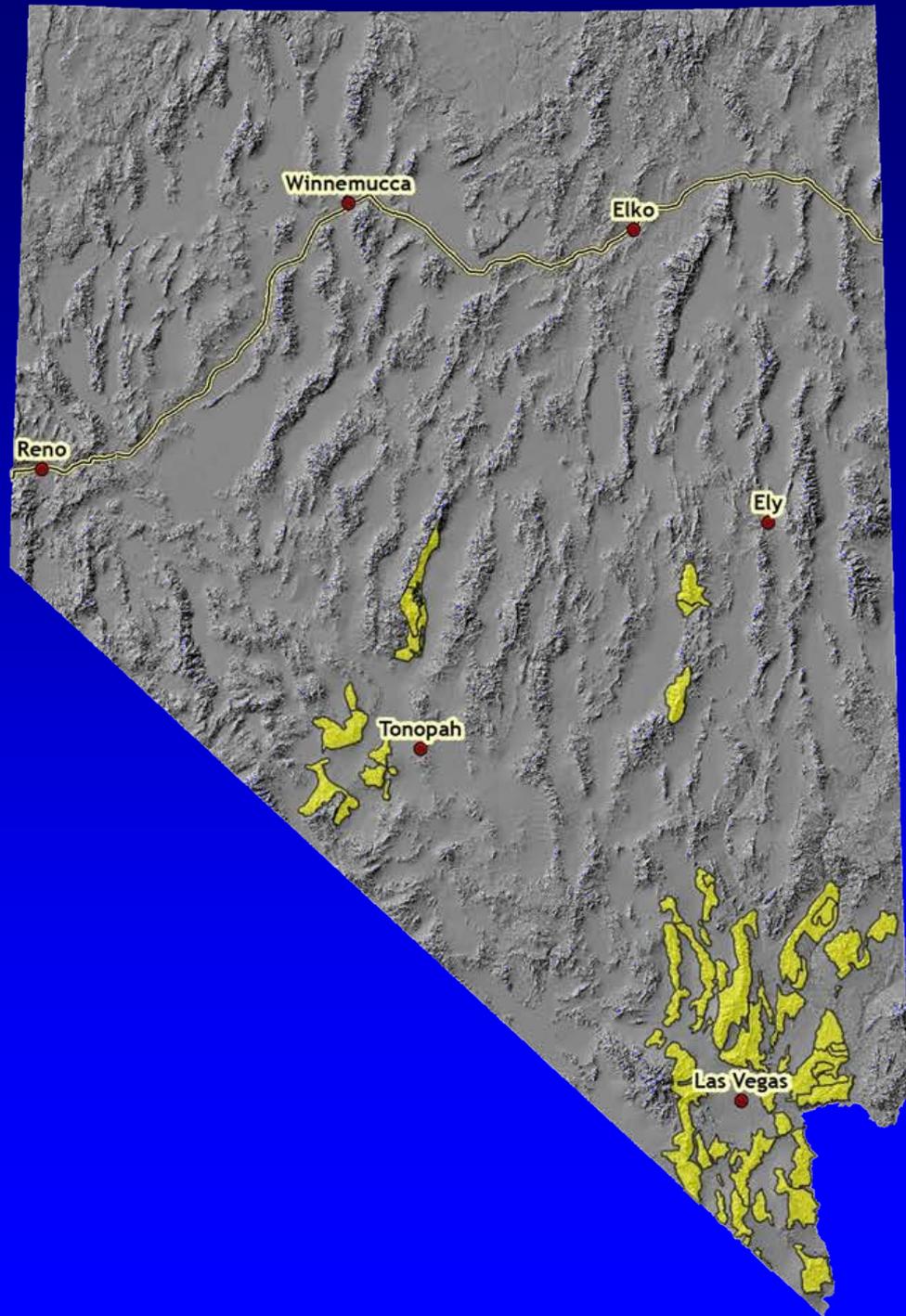


**Number of bighorns  
released in Nevada since  
inception of Bighorn Sheep  
Release Program in 1967  
through May 2015**

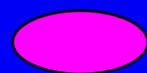
|                                  |              |
|----------------------------------|--------------|
| <b>Desert bighorns –</b>         | <b>2,078</b> |
| <b>California bighorns –</b>     | <b>877</b>   |
| <b>Rocky Mountain bighorns –</b> | <b>346</b>   |
| <hr/>                            |              |
| <b>Total –</b>                   | <b>3,301</b> |

**Involving 64 different  
mountain ranges**

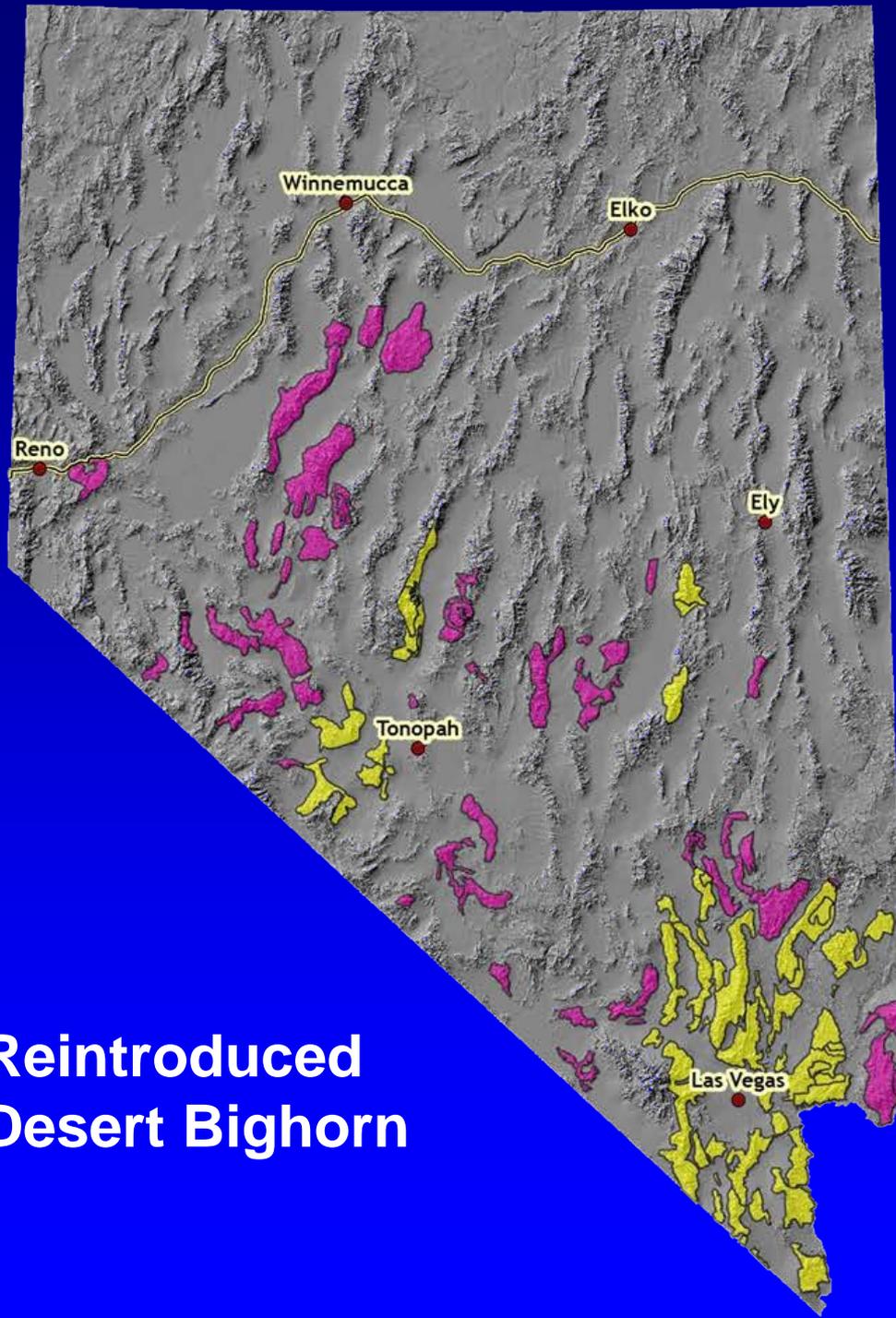
Nevada's  
Remnant  
Bighorn  
Sheep  
Distribution  
1960's



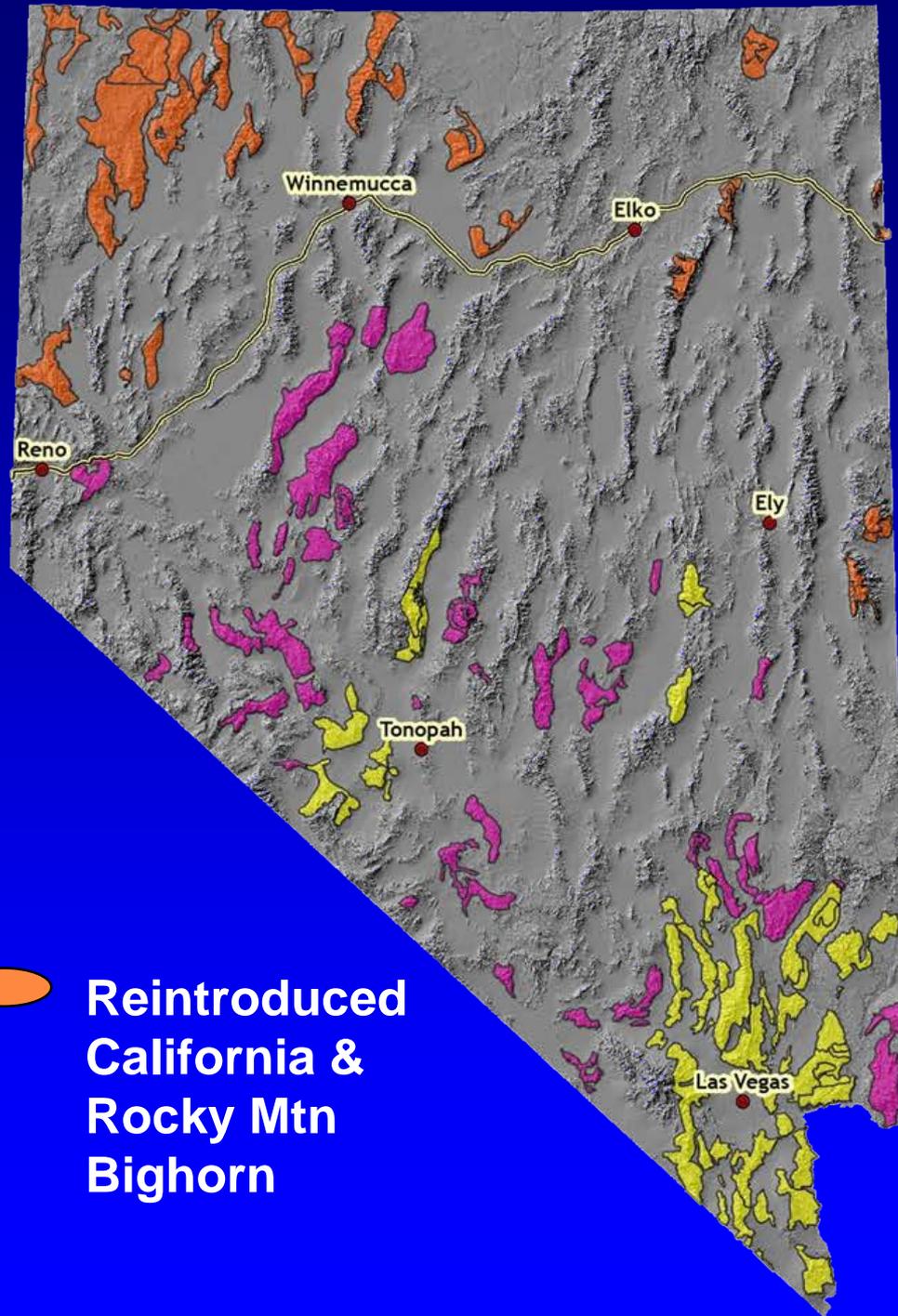
Nevada's  
Remnant  
and  
Reintroduced  
Desert  
Bighorn  
Distribution  
2015



Reintroduced  
Desert Bighorn



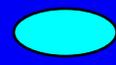
Nevada's  
Remnant,  
Reintroduced  
Desert  
Bighorn,  
and  
Reintroduced  
California &  
Rocky  
Mountain  
Distribution  
2015

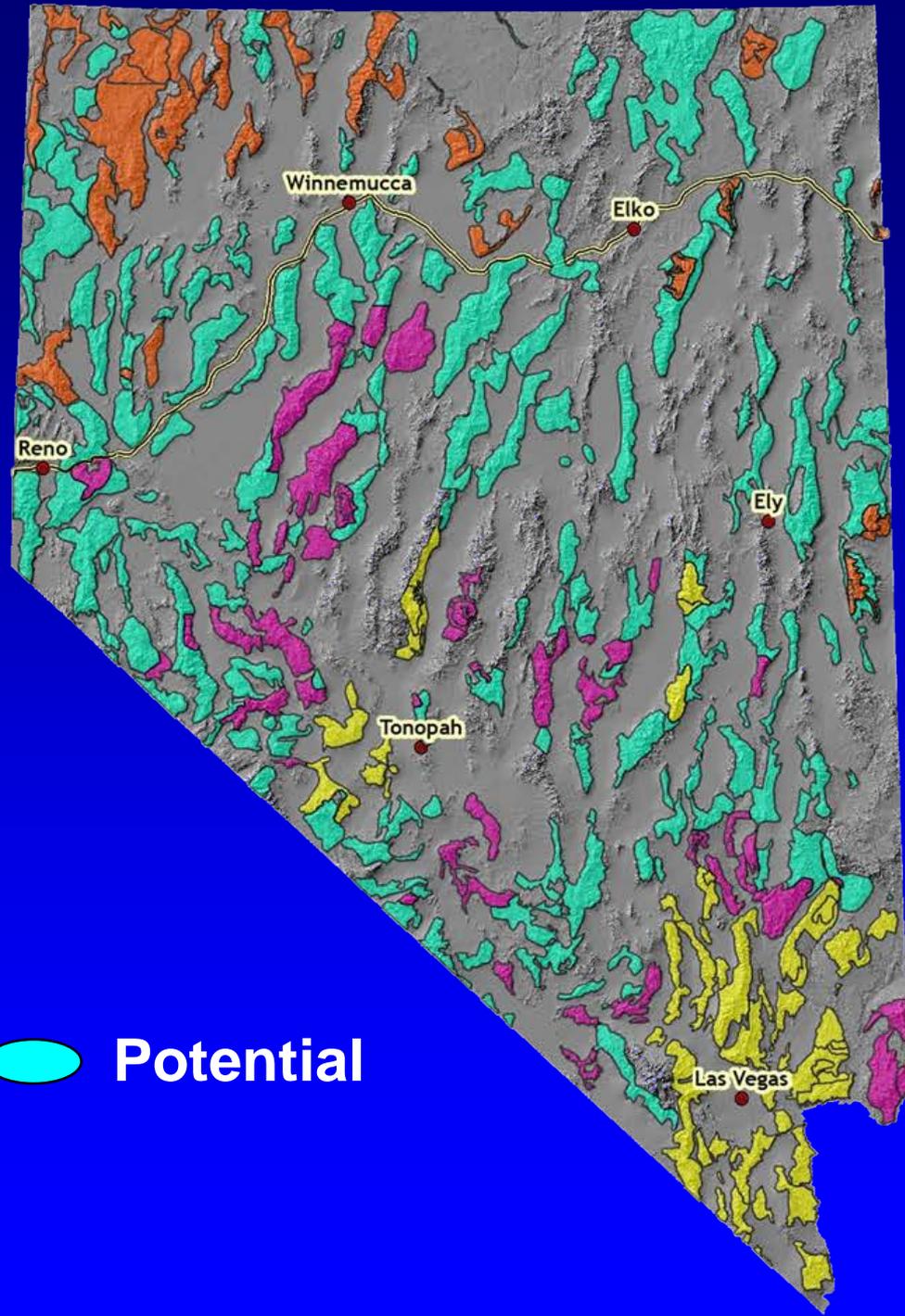


Reintroduced  
California &  
Rocky Mtn  
Bighorn

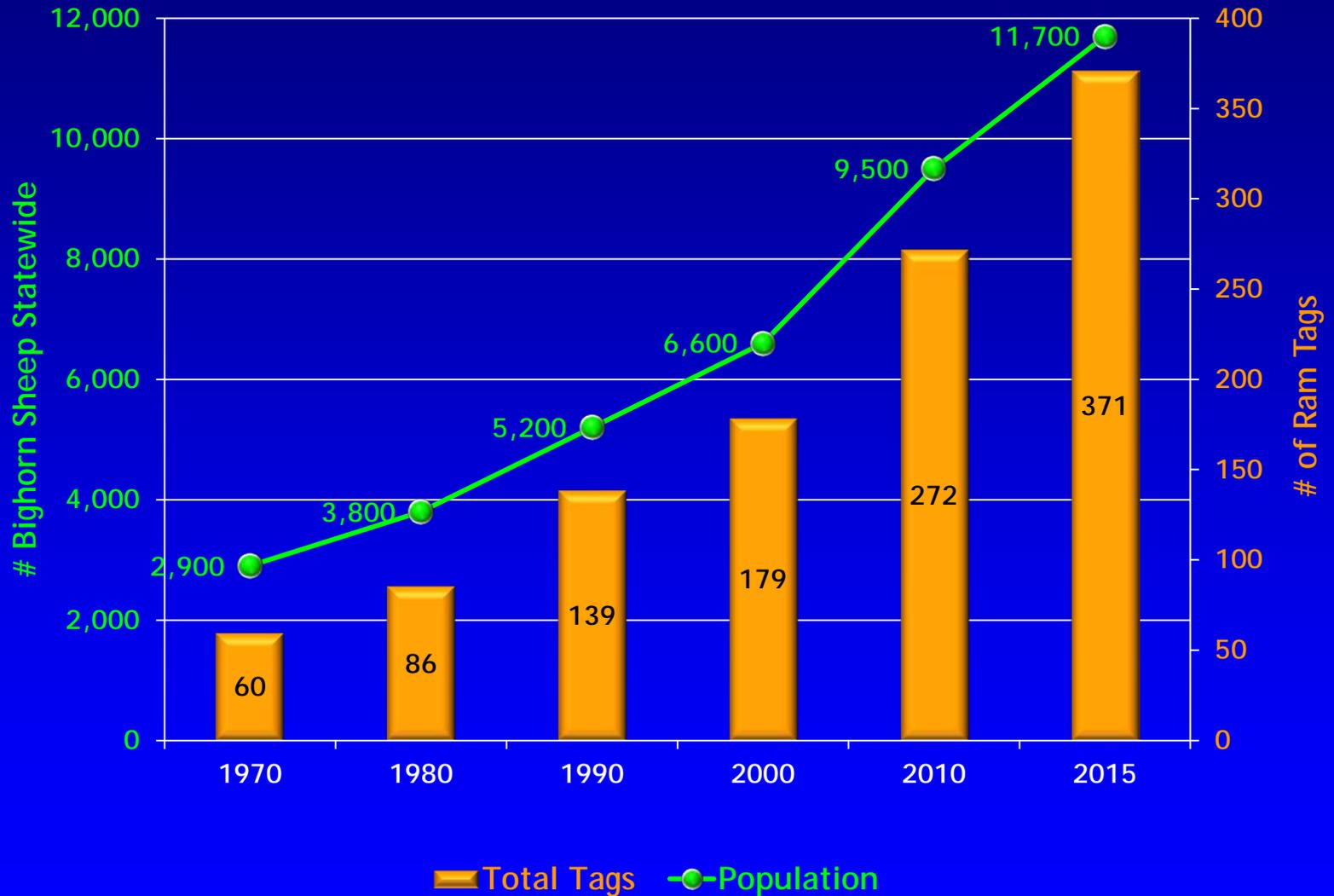
All of  
Nevada's  
Occupied  
and  
Potential  
(Unoccupied)

Bighorn  
Distribution  
2015

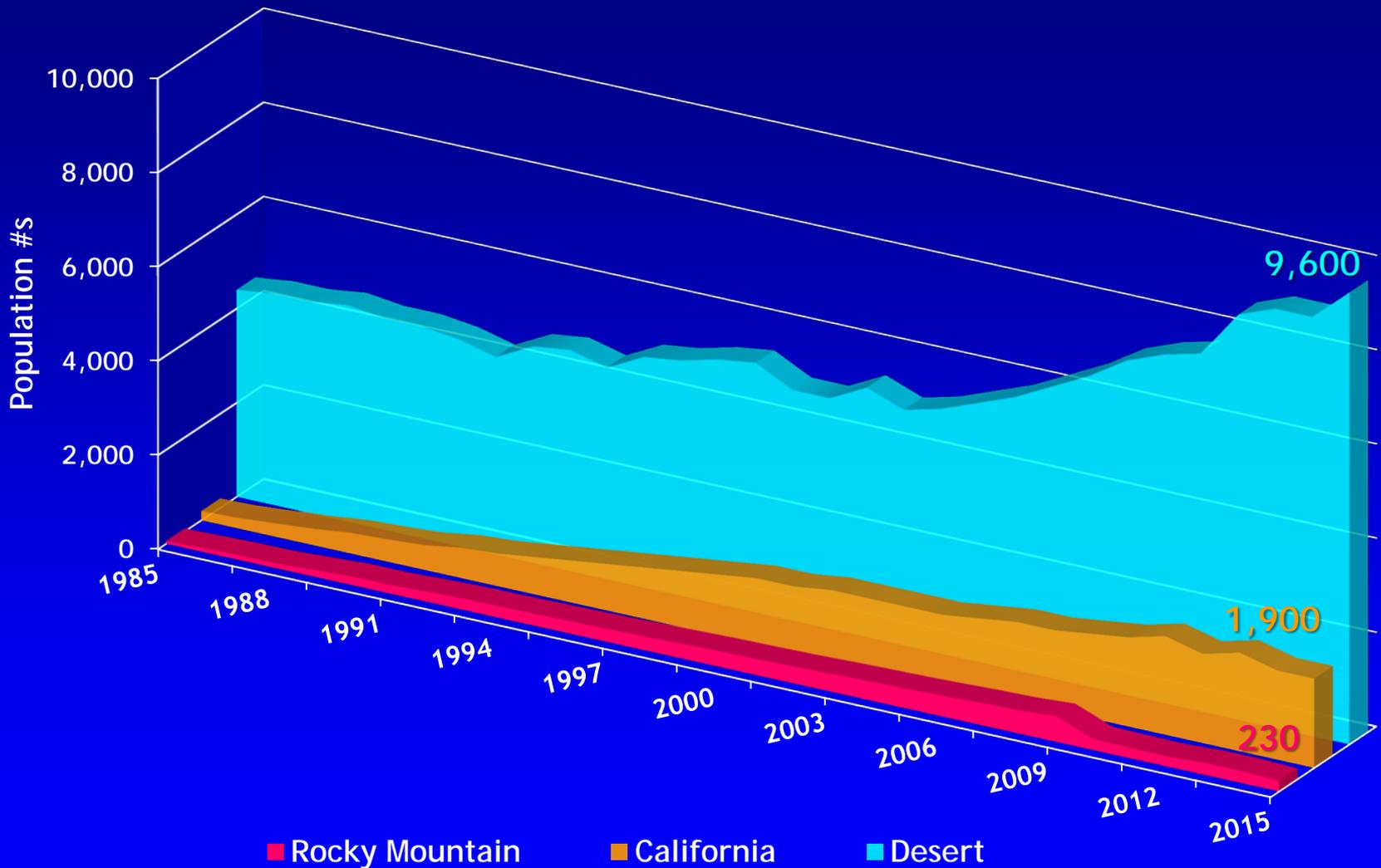
 Potential



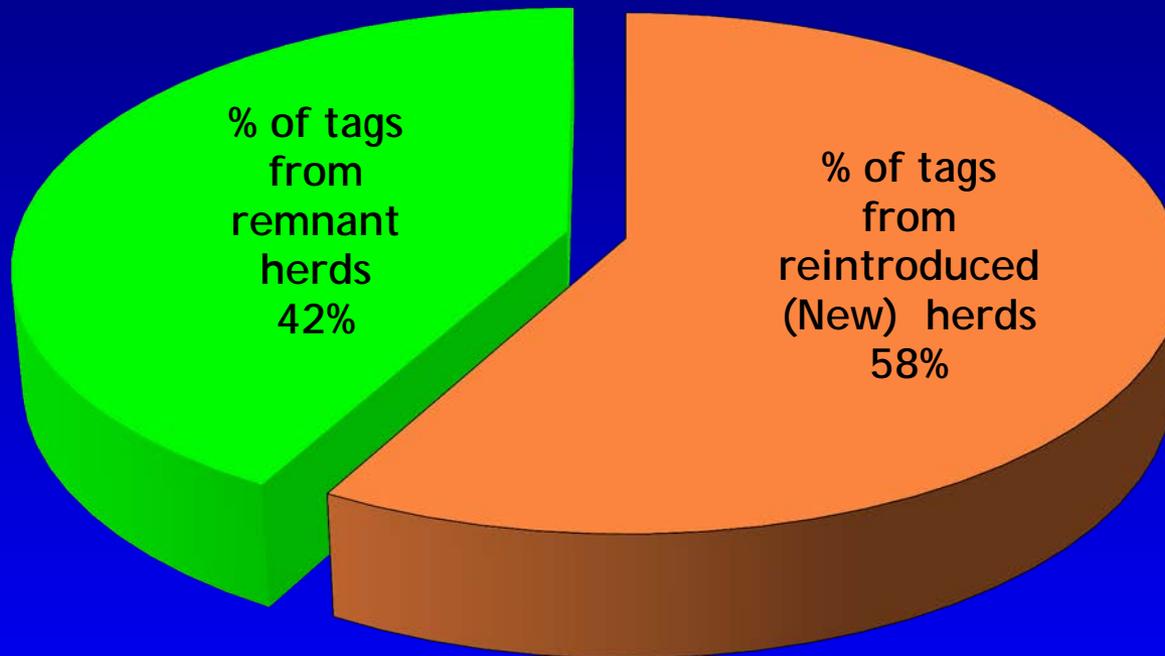
# Nevada's Bighorn Sheep Population and Ram Tags



# Statewide Bighorn Population by Subspecies 1985-2015



# Percent of 2015 Statewide Bighorn Tags from New Herds



# Ewe Hunts

In 2014 ewe hunts were introduced as a management tool to help manage Nevada's bighorn populations.

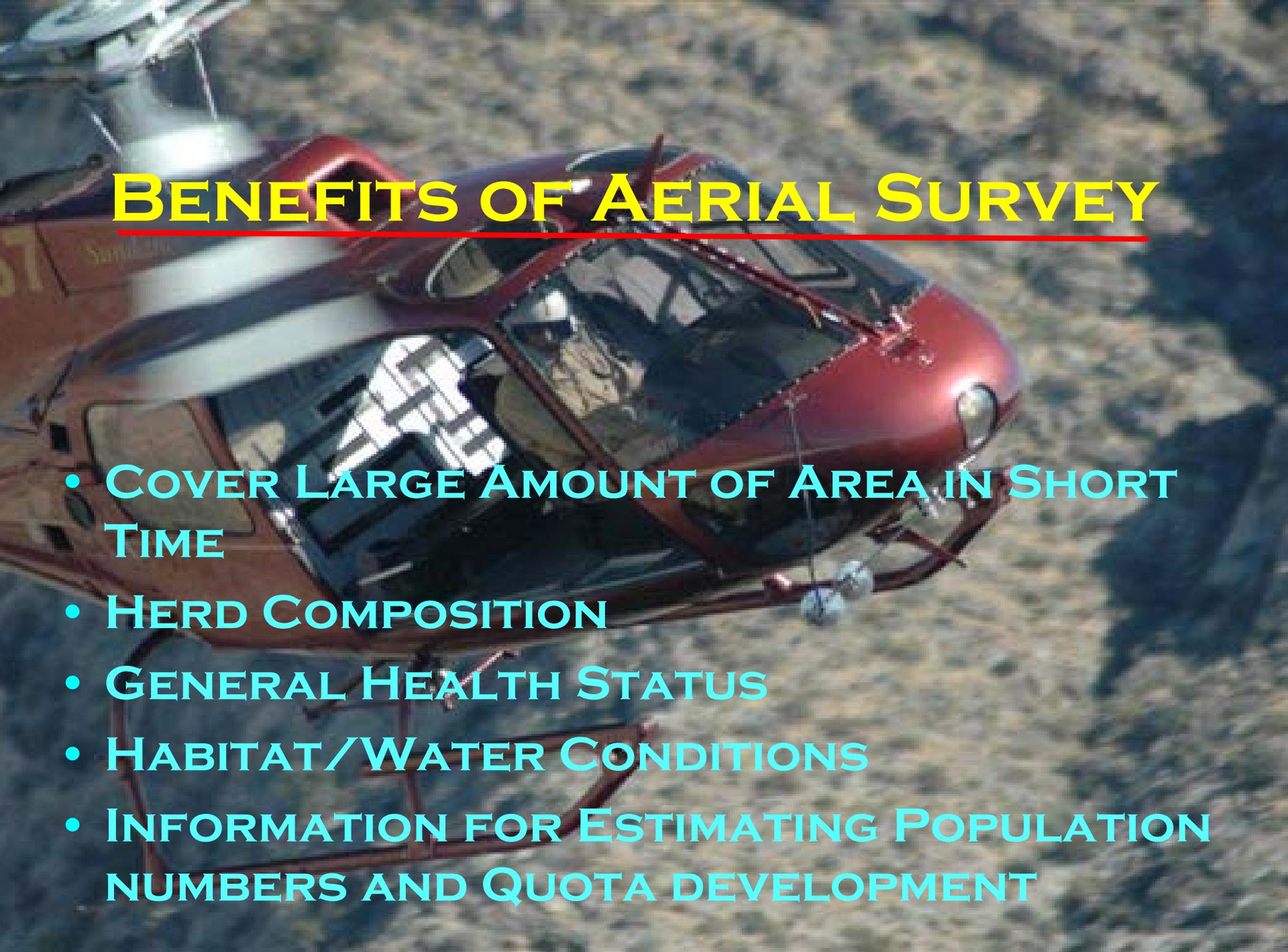
- 5 desert bighorn hunt units in 2015 (212, 213, 253, 268) with a total of 140 tags.
- 1 California bighorn hunt unit (068) with a total of 10 tags.
- NDOW has put together a ewe hunt presentation To help describe differences between ewes and yearling rams. It may be found on our website at: [www.NDOW.org](http://www.NDOW.org)









A red helicopter is shown in flight, viewed from a high angle. The helicopter is positioned in the upper left and center of the frame, with its rotors blurred. Below it, a rugged, mountainous landscape with rocky terrain and sparse vegetation is visible. The sky is a clear, pale blue. The title 'BENEFITS OF AERIAL SURVEY' is overlaid in large, bold, yellow letters with a red underline.

# **BENEFITS OF AERIAL SURVEY**

- **COVER LARGE AMOUNT OF AREA IN SHORT TIME**
- **HERD COMPOSITION**
- **GENERAL HEALTH STATUS**
- **HABITAT/WATER CONDITIONS**
- **INFORMATION FOR ESTIMATING POPULATION NUMBERS AND QUOTA DEVELOPMENT**

# **NEVADA'S BIGHORN HARVEST PROGRAM**

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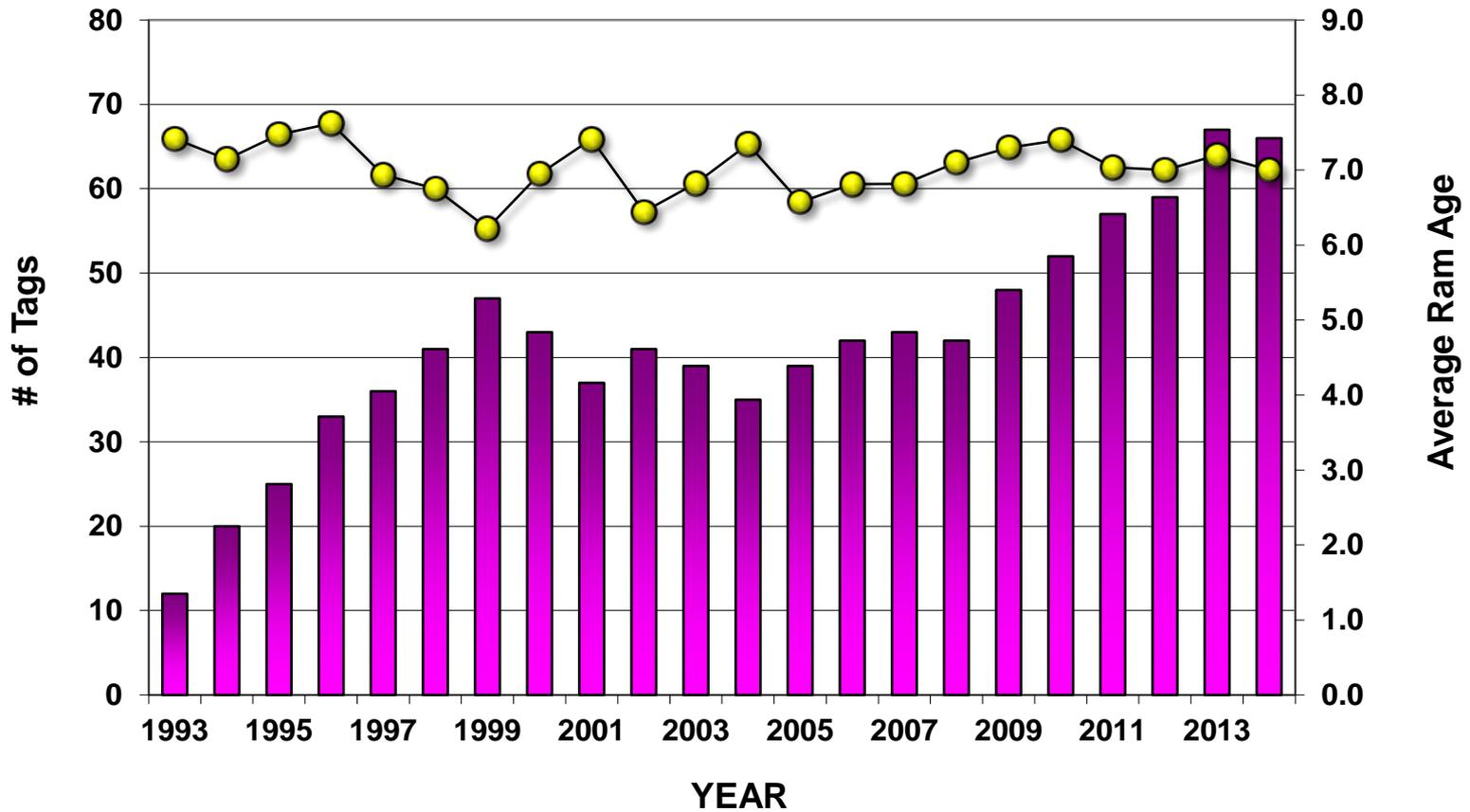
- **1952 –  $\frac{3}{4}$  CURL – DRAWING**
- **1966 – 144 POINTS/7 YEARS OF AGE**
- **MID-1980'S REGULATION CHANGE**
  - **SOME AREAS 144 PTS/7 YEARS OF AGE**
  - **OTHER AREAS "ANY RAM"**
- **1996 – "ANY RAM" ALL UNITS, STATEWIDE**

# **HARVEST MANAGEMENT STRATEGY**

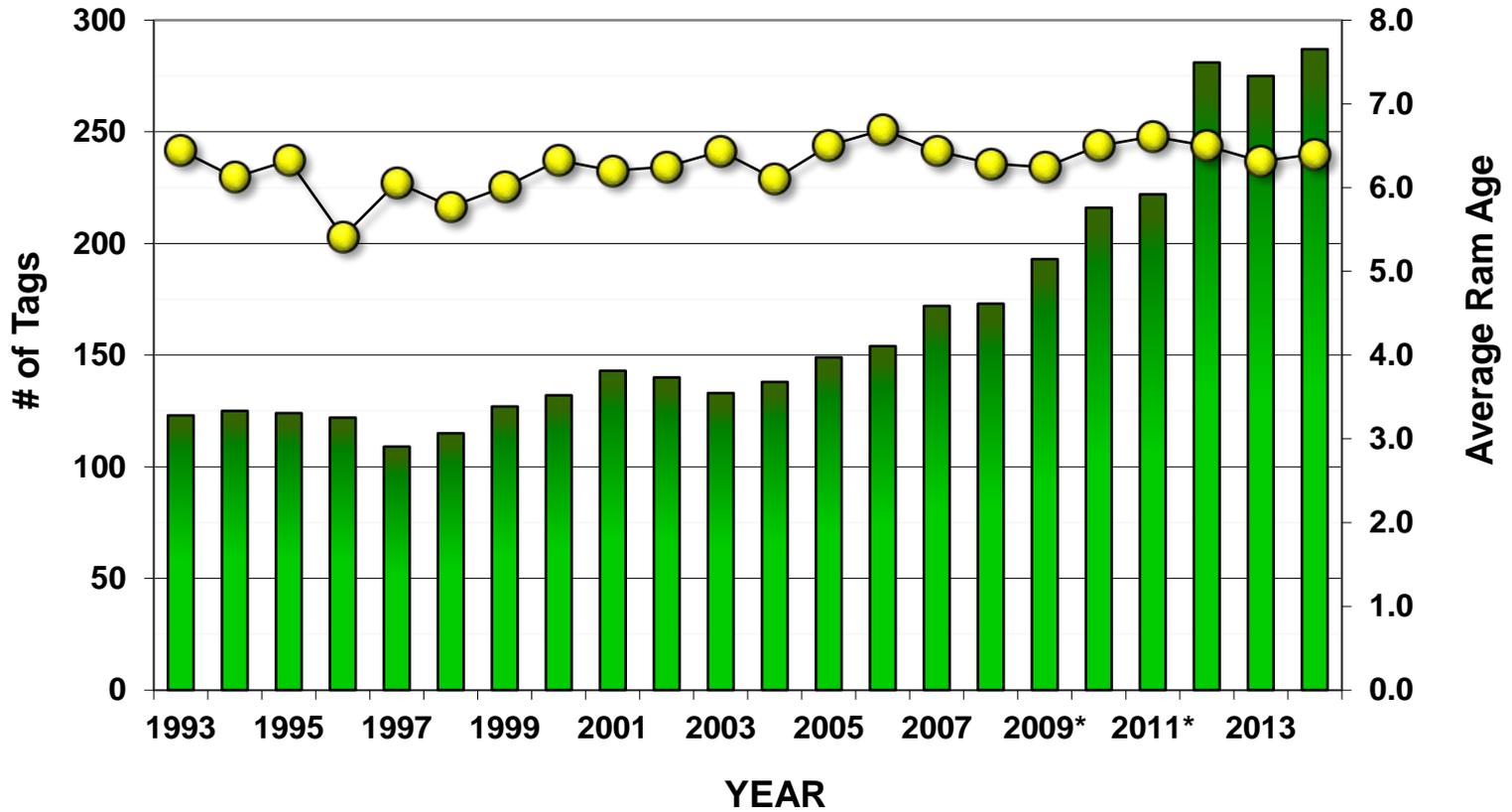
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- **CONSERVATIVE HARVEST DIRECTED TOWARD MATURE RAMS**
- **NO BIOLOGICAL IMPACTS WITH ANY RAM HARVEST**
- **STRIVE FOR AVERAGE HARVESTED RAM AGE OF 6 YEARS**
- **REMOVE UNNECESSARY REGULATIONS AND RESTRICTIONS**

# California Bighorn Hunt Data 1993 - 2014



## Desert Bighorn Hunt Data 1993 - 2014









Pipe-rail Fence to keep horses and livestock out





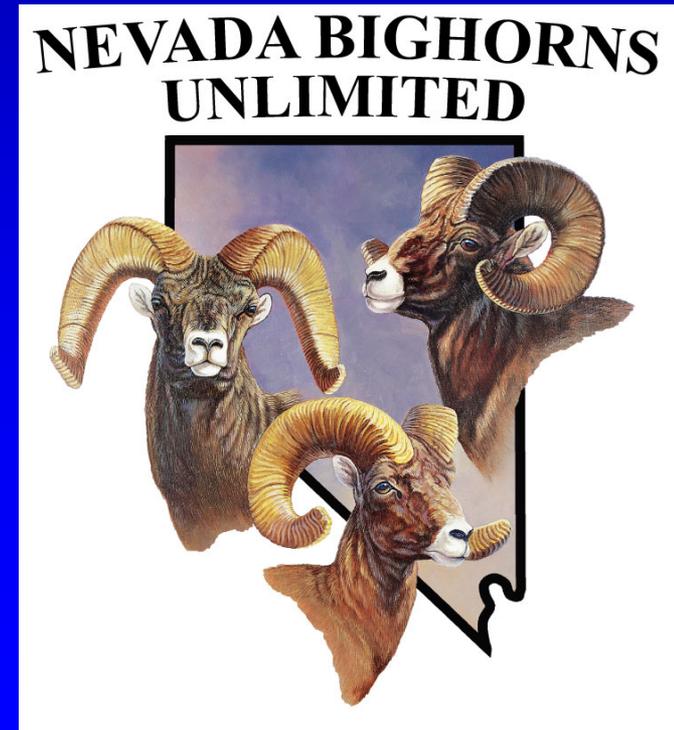
**Over 370 Big Game and  
1,275 Upland Guzzlers  
have been built in Nevada**



# Special Thanks!

Without the financial support and volunteer efforts from groups like the Fraternity of the Desert Bighorn, Nevada Bighorns Unlimited (Reno, Fallon & Midas Chapters), and Elko Bighorns Unlimited

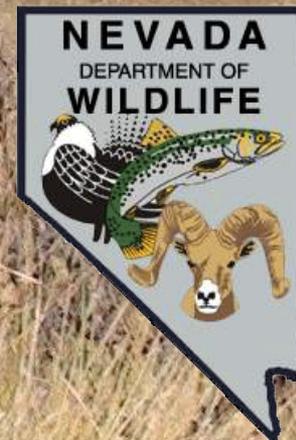
the water development and bighorn sheep transplant programs would not be the successes they are today!



# Seminar Topics

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- **BIOLOGY AND HABITAT**

















# Bighorn Habitat in Nevada



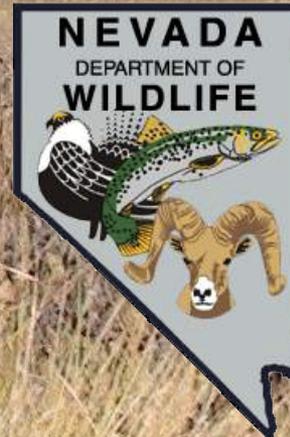




# Seminar Topics

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- IDENTIFICATION OF AGE CLASSES & SCORING





MATURE LEGAL RAM



IMMATURE RAM



EWE











7-64

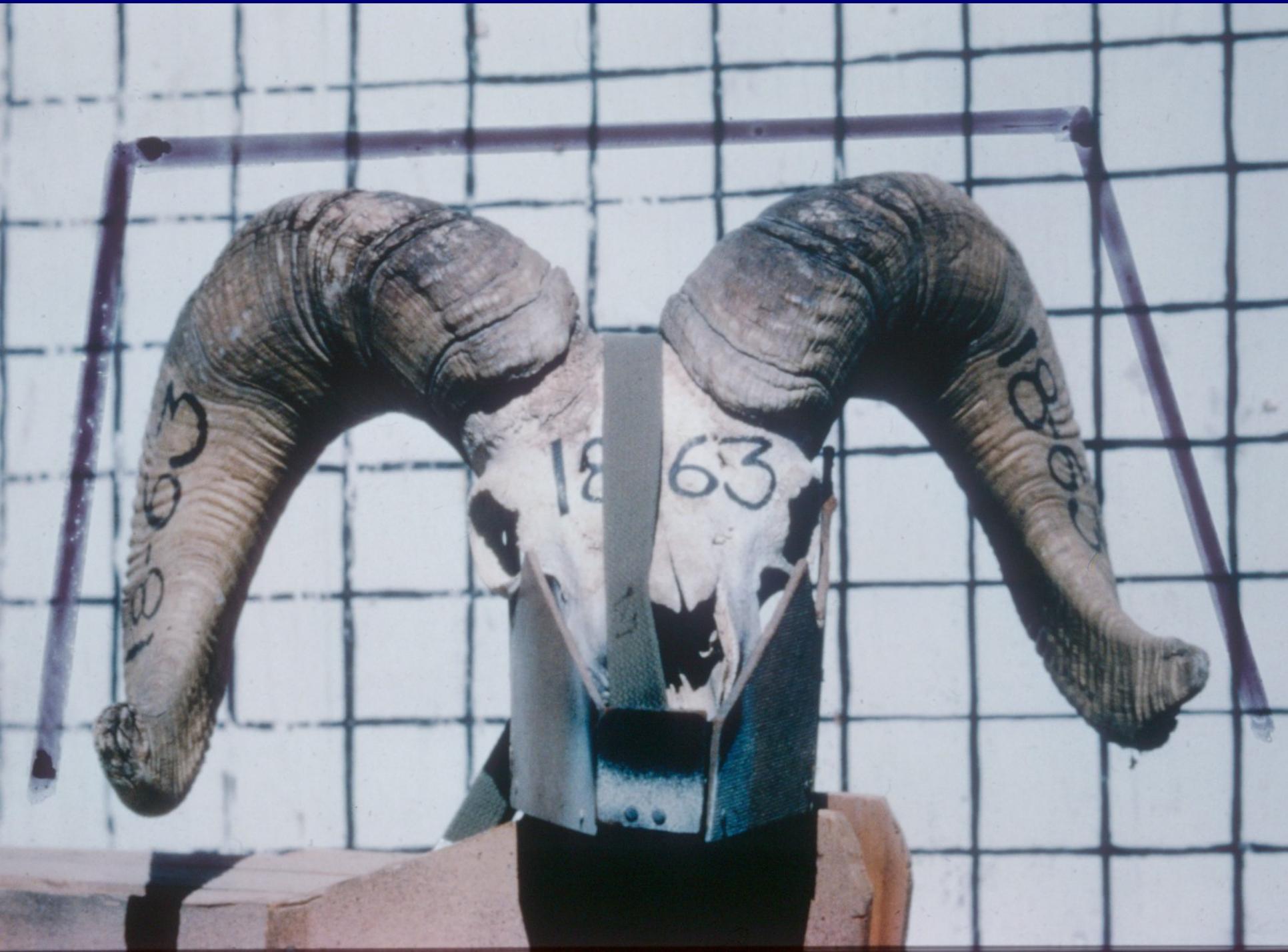
7-64

7-64





11-6

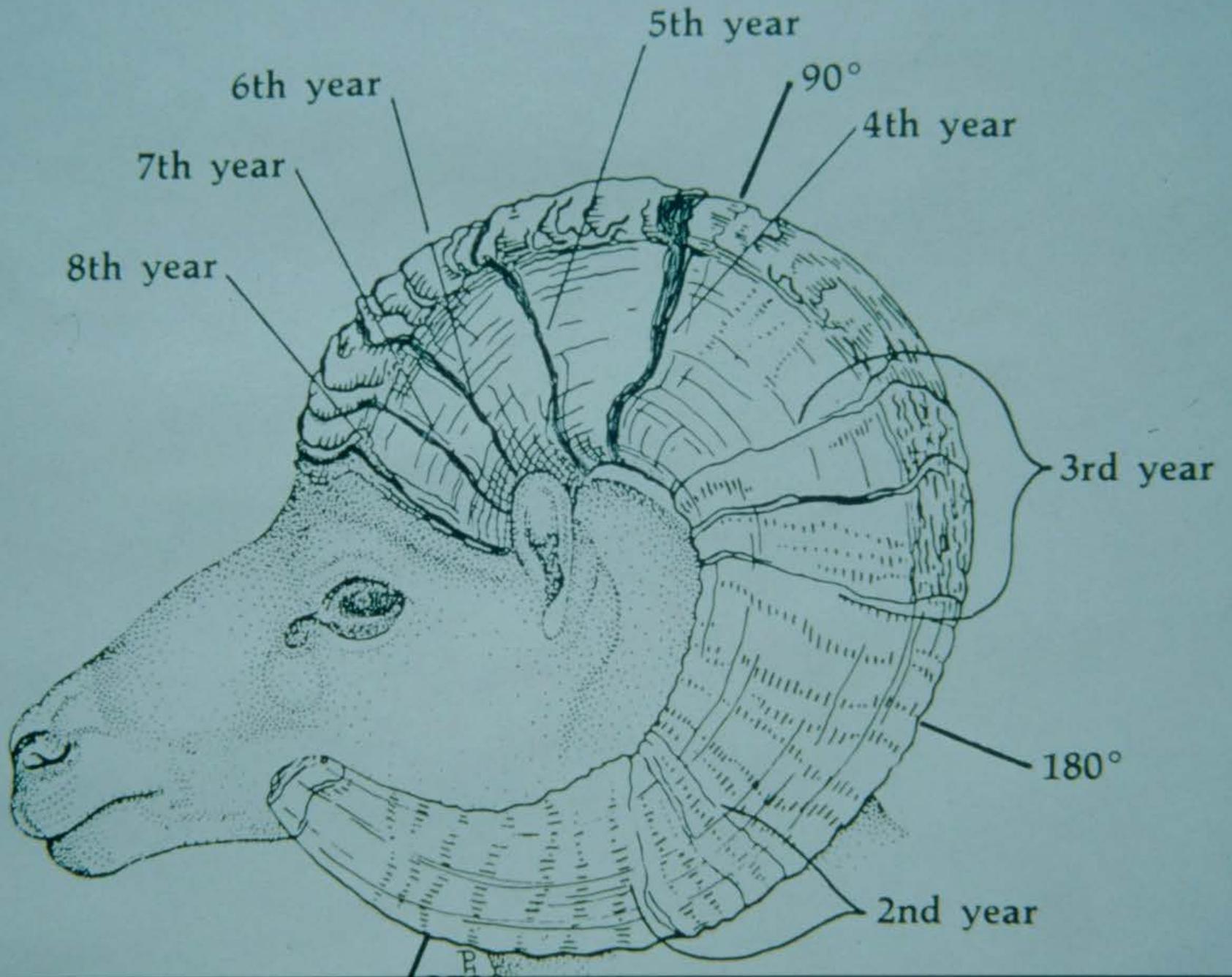




























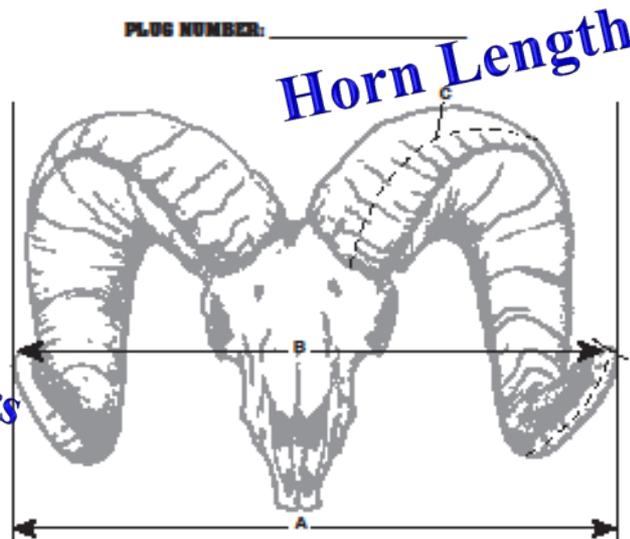
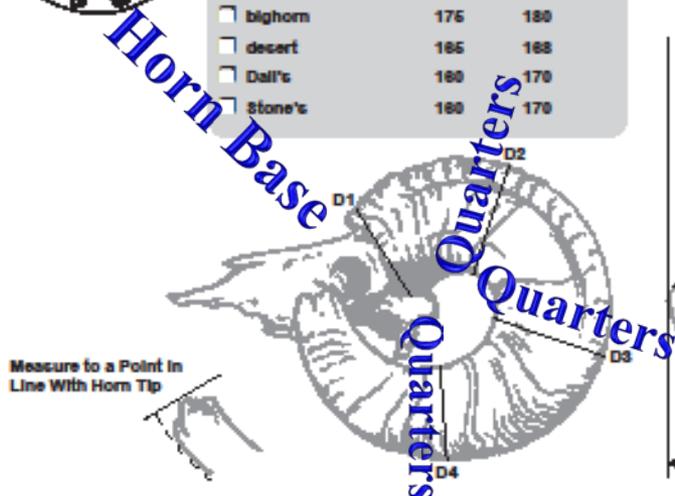
# BOONE AND CROCKETT CLUB®

OFFICIAL SCORING SYSTEM FOR NORTH AMERICAN BIG GAME TROPHIES

## SHEEP

| (CHECK ONE):                     | MINIMUM SCORES | AWARDS | ALL-TIME |
|----------------------------------|----------------|--------|----------|
| <input type="checkbox"/> bighorn | 175            |        | 180      |
| <input type="checkbox"/> desert  | 165            |        | 168      |
| <input type="checkbox"/> Dall's  | 160            |        | 170      |
| <input type="checkbox"/> Stone's | 160            |        | 170      |

PLUG NUMBER: \_\_\_\_\_

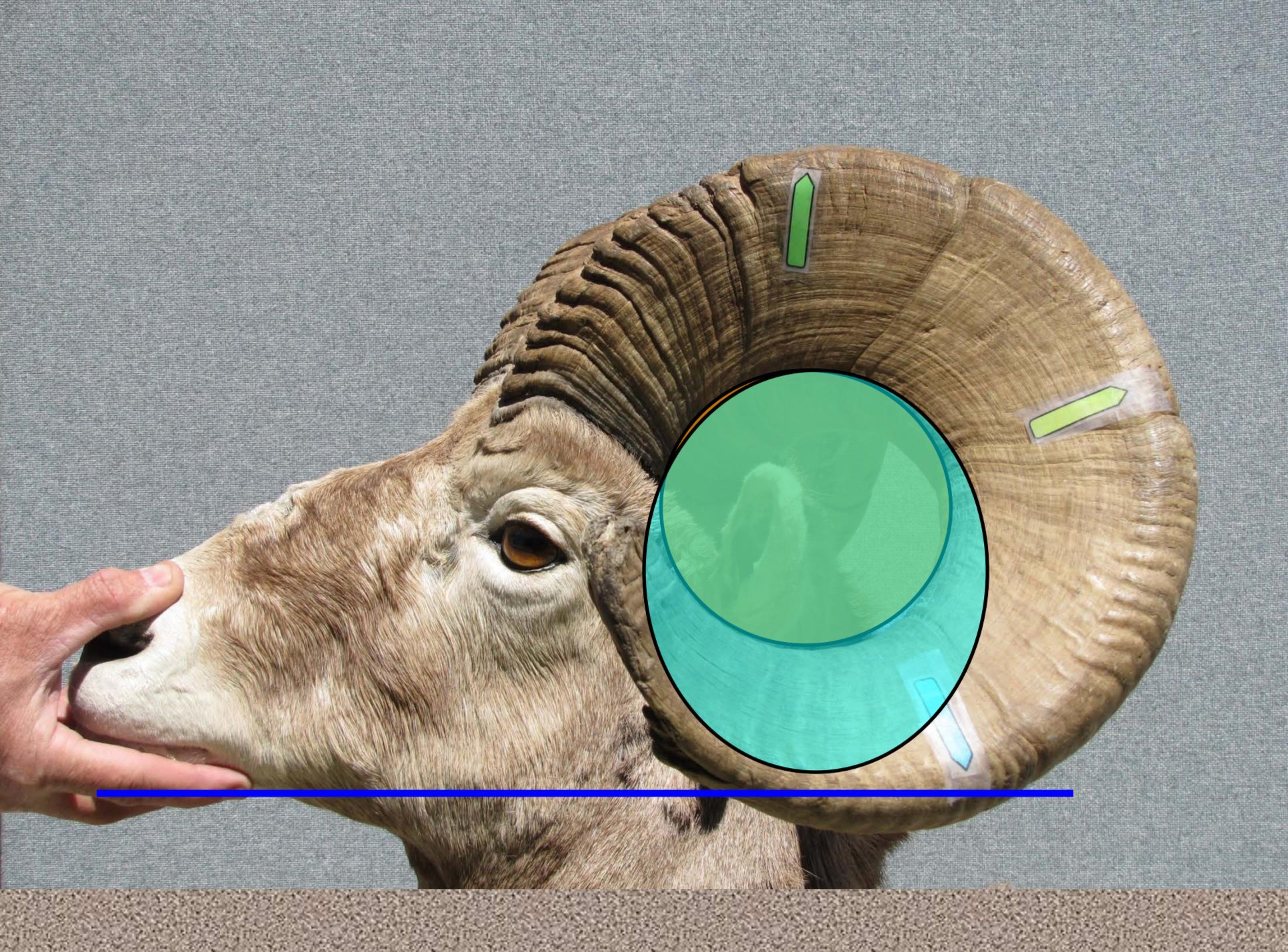


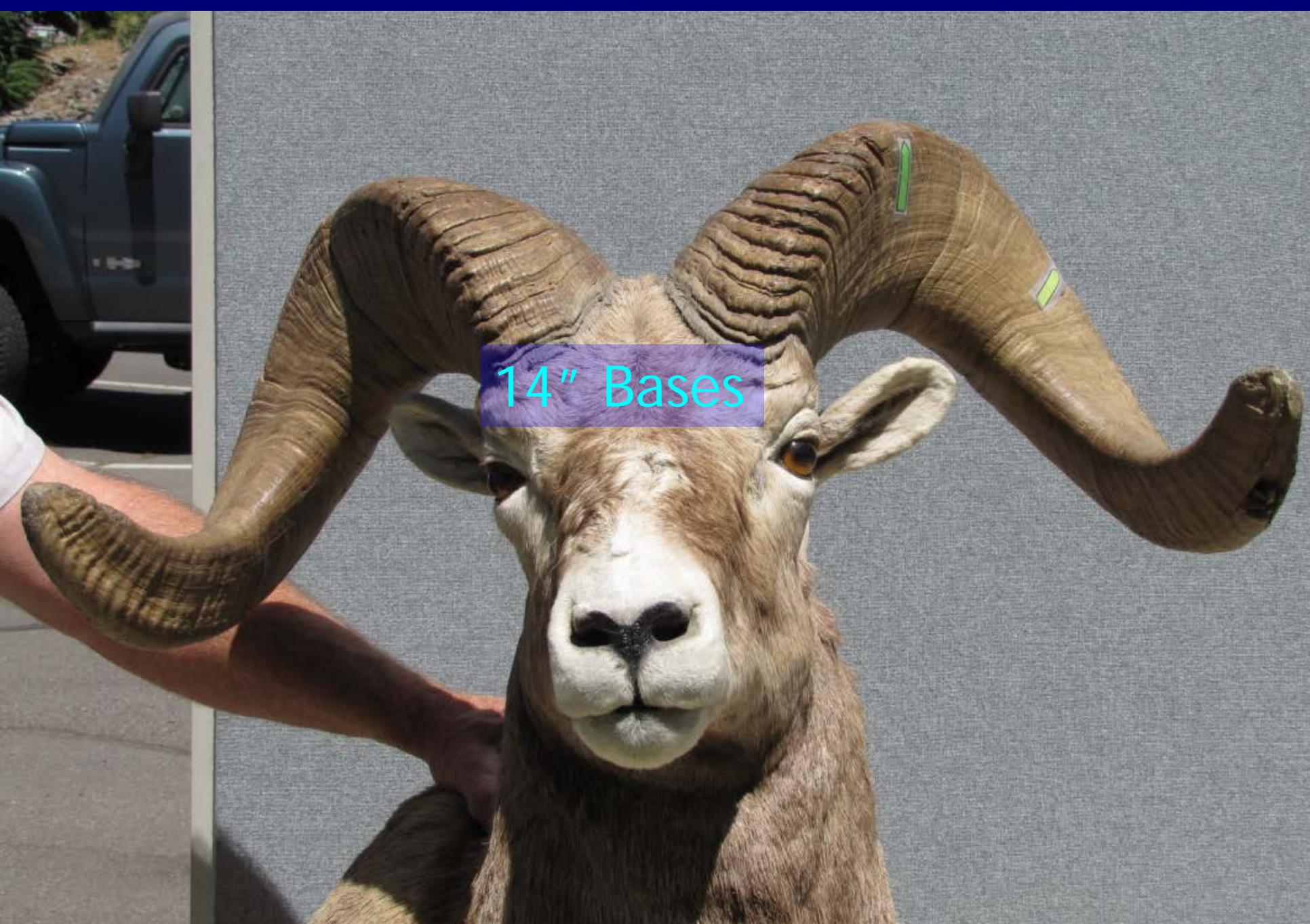
| A & B DO NOT CALCULATE IN THE FINAL SCORE BUT ARE REQUIRED   |   | SEE OTHER SIDE FOR SCORING INSTRUCTIONS                  |  | Column 1     | Column 2      | Column 3   |
|--|---|--|--|--------------|---------------|------------|
| A. Greatest Spread (is Often Tip to Tip Spread)  |   |  |  | Right Horn   | Left Horn     | Difference |
| B. Tip to Tip Spread   |   |  |  |              |               |            |
| C. Length of Horn  |   |  |  |              |               |            |
| D-1. Circumference of Base   |   |  |  |              |               |            |
| D-2. Circumference at First Quarter  | Location of First Quarter Circumference: _____  |  |  |              |               |            |
| D-3. Circumference at Second Quarter   | Location of Second Quarter Circumference: _____ |  |  |              |               |            |
| D-4. Circumference at Third Quarter  | Location of Third Quarter Circumference: _____  |  |  |              |               |            |
| <b>TOTALS</b>  |   |  |  |              |               |            |
| <b>ADD TOGETHER:</b>   | Column 1  | Exact Locality Where Killed:* _____                      |  | County:      | State/Prov:   |            |
|  | Column 2  | Hunter (Legal Name):                                     |  | Date Killed: |               |            |
|  | Subtotal  | Trophy Owner (Legal Name):                               |  | Telephone #: |               |            |
| <b>SUBTRACT:</b>   | Column 3  | Trophy Owner's Address:                                  |  |              |               |            |
| <b>FINAL SCORE</b>   |   | Trophy Owner's Email:                                    |  |              | Guide's Name: |            |
|  |   | Remarks (Mention Any Abnormalities or Unique Qualities): |  |              |               |            |
| *Geographic location (lake, mountain, river, etc.) required for trophies taken in Canada and Alaska. |   |  |  |              |               |            |

I certify that I have measured this trophy on \_\_\_\_\_

# Field Scoring - Art not Science

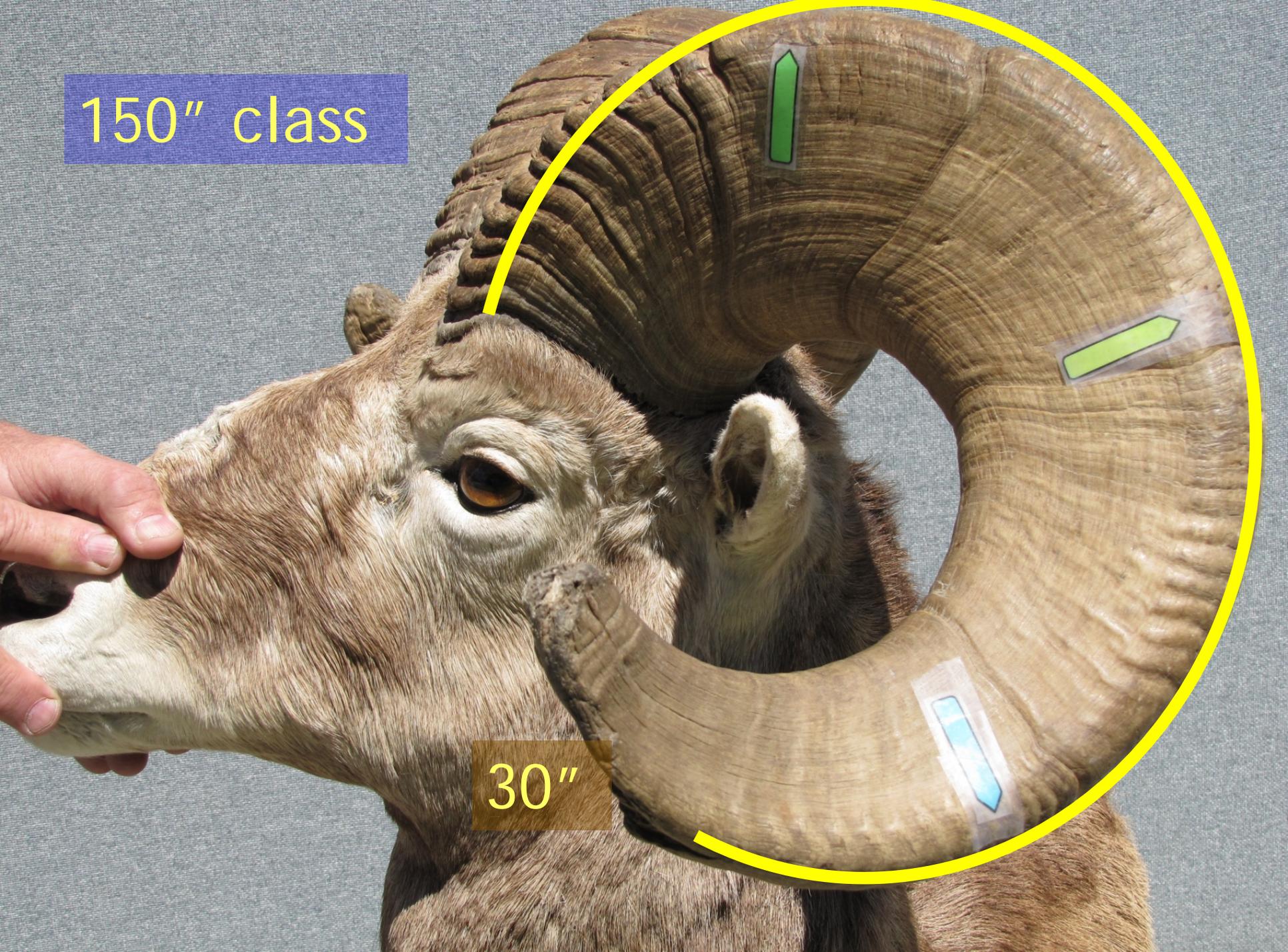
- No simple formula or facial measurements to base horn size off of
- Its an overall appearance of horns relative to past experiences with known horn measurements
- Very important to know the minimum, average, and maximum scores for given herd to give you a baseline to gauge against
- Horn base girth is biggest unknown that can cause your guess to be off by several inches





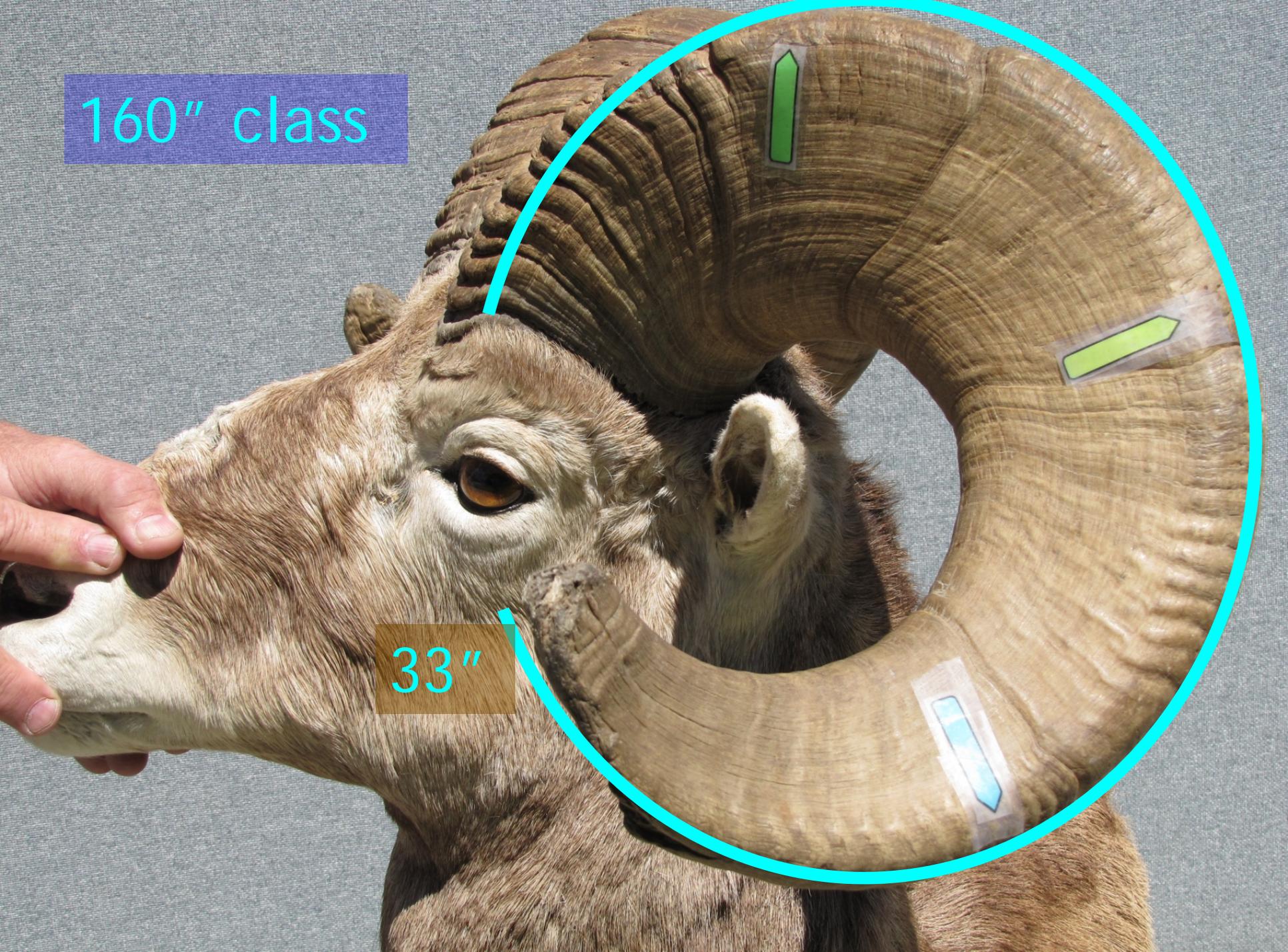
14" Bases

150" class



30"

160" class



33"

170" class

37"



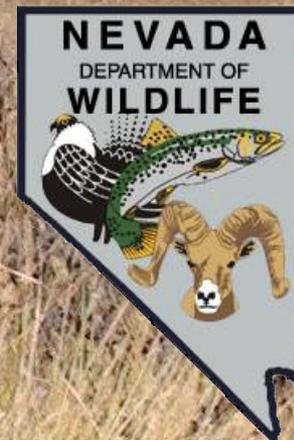




# Seminar Topics

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- REGULATIONS AND HUNTING



# **IMPORTANT REGULATIONS**

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- **TAG IN POSSESSION**
- **PUNCH TAG**
- **ATTACH TAG TO CARCASS/ STAYS WITH MEAT**
- **CHECKOUT SKULL AND HORNS WITHIN 5 DAYS OF HARVEST**
- **TAXIDERMY STUB MUST ACCOMPANY SKULL AND CAPE TO TAXIDERMIST**
- **JANUARY 31 POST-SEASON DEADLINE FOR SUBMITTING HARVEST RETURN CARD TO WILDLIFE ADMINISTRATIVE SERVICES OFFICE**

# IMPORTANT REGULATIONS CONT.

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- HUNTING HOURS
- UNIT/AREA-CHECK TAG AND HUNT BOOK DESCRIPTIONS
- WEAPONS-LEGAL/LOADED/ROADS-NPS/USFWS DIFFERENCES
- AIRCRAFT/FLYING
- WASTE/DUTY TO PURSUE
- TRANSPORTATION PERMIT
- CAMPING AND WATER
- OHV LAWS-NPS/USFWS RESTRICTIONS
- GUIDES
- MISTAKES/VIOLATIONS

# IMPORTANT REGULATIONS CONT.

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- **MANDATORY BIGHORN CHECK-IN**
- **ILLEGAL TO BAIT BIG GAME - NRS.501.149**
- **ILLEGAL TO FEED BIG GAME - NRS.501.382**
- **OBSTRUCTION/CONTAMINATION/INTERFERENCE WITH GUZZLER - NRS. 501.105, 501.181**
- **BIGHORN TAG/HUNTING - NAC 502.345**
  - NO LONGER REQUIRED TO ATTEND BIGHORN INDOCTRINATION OR POSSESS MINIMUM POWER OPTICS
  - BUT STRONGLY ENCOURAGED TO ATTEND AND POSSESS THE BEST OPTICS YOU CAN AFFORD
- **RADIO TELEMETRY /SATELLITE COLLARS - NAC 503.1475**
  - CAN'T RECEIVE RADIO SIGNAL FROM WILDLIFE COLLAR
  - MUST RETURN COLLAR TO NDOW

NEVADA DEPARTMENT OF WILDLIFE - GAME TAG - RANDOM DRAW RESIDENCY: RESIDENT  
SPECIES - LIMIT ONE: BEAR PHYSICAL CHARACTERISTICS: EITHER SEX  
TYPE OF HUNT: BEAR HUNT APPLICATION NUMBER: 2014-5-753426-6151-1  
LICENSE CLASS/NUMBER: 24 - 203307 - 2015  
UNIT GROUP: UNITS 192,194-196,201,202,204,206,291 EXCEPT PORTIONS OF 192 & 194 LISTED IN REG.  
SEASON DESCRIPTION: SEPT 15 - DEC 31, 2014 OR UNTIL HARVEST OBJECTIVE IS MET



Signature: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Validate Tag Before Hunting - For the tag to be valid the tag holder must sign the tag and include date and time. Tag must be in owner's possession while hunting. It is unlawful to possess or use a tag of another person. Immediately after reaching the killed animal, punch the tag on the reverse. (see reverse for the instructions).

JOE HUNTER  
PO BOX 12345  
ANYWHERE, NV 89999

400000025

568127

NEVADA GAME TAG QUESTIONNAIRE Return Card due date: 2/02/15 5:00 PM (PST)

YOU CAN FILE ONLINE AT [www.huntnevada.com](http://www.huntnevada.com)

APPLICATION NUMBER: 2014-5-753426-6151-1 NV SPORTSMAN'S ID: 3109292 CLIENT NAME: CODY O BYRNE  
SPECIES - LIMIT ONE: BEAR PHYSICAL CHARACTERISTICS: EITHER SEX  
UNIT GROUP: UNITS 192,194-196,201,202,204,206,291 EXCEPT PORTIONS OF 192 & 194 LISTED IN REG.

1. Days scouted? \_\_\_\_\_ 2. Did you hunt? (Mark one box) YES  NO

YOU MUST COMPLETE THE FOLLOWING IF YOU HUNTED

3. Total number of days hunted (do not include days scouted)? \_\_\_\_\_  
4. Were you successful in harvesting an animal? YES  NO   
4a Did you utilize trained dogs at any point during your hunt?  NO   
5. Did you have the opportunity to harvest but chose not to? YES  NO   
6. Did you wound any animals you were unable to retrieve? YES  NO  How Many? \_\_\_\_\_  
6a. List all units you hunted in: \_\_\_\_\_

YOU MUST COMPLETE THE FOLLOWING IF YOU HARVESTED AN ANIMAL

7. Three digit unit kill?    (Refer to brochure map)  
8. Date of kill? \_\_\_\_\_  
9. Weapon type?  Rifle  Muzzleloader  LongBow  Other \_\_\_\_\_  
10. MALE \_\_\_\_\_ FEMALE \_\_\_\_\_

Penalty for failure to correctly complete or return game tag questionnaire for deer, antelope, elk, bighorn sheep, mountain goat, black bear, as per NAC 502.405.

568127

Transportation Permit-Tag Holder Copy

The transportation permit is provided should you decide to have your animal transported by another person. Remove this stub and keep in your records for one year.

APPLICATION NUMBER: 2014-5-753426-6151-1  
SPECIES - LIMIT ONE: BEAR  
LICENSE CLASS/NUMBER: 24 - 203307 - 2015

JOE HUNTER  
PO BOX 12345  
ANYWHERE, NV 89999

10. MALE \_\_\_\_\_ FEMALE \_\_\_\_\_

568127

Transportation Permit-Transporter Copy

The transportation permit is provided should you decide to have your animal transported by another person.

APPLICATION NUMBER: 2014-5-753426-6151-1  
SPECIES - LIMIT ONE: BEAR  
LICENSE CLASS/NUMBER: 24 - 203307 - 2015

JOE HUNTER  
PO BOX 12345  
ANYWHERE, NV 89999

10. MALE \_\_\_\_\_ FEMALE \_\_\_\_\_

568127

TAXIDERMY RECORD STUB INSTRUCTIONS ON THE REVERSE

APPLICATION NUMBER: 2014-5-753426-6151-1  
SPECIES - LIMIT ONE: BEAR  
LICENSE CLASS/NUMBER: 24 - 203307 - 2015

JOE HUNTER  
PO BOX 12345  
ANYWHERE, NV 89999

10. MALE \_\_\_\_\_ FEMALE \_\_\_\_\_

568127

Tag

Questionnaire

Transportation Permit

Taxidermy Stub

VALIDATION INSTRUCTIONS: Immediately upon reaching the animal the tag holder has killed:

1. **CLEARLY PUNCH** MONTH and DAY of kill.
2. **CLEARLY PUNCH** POINTS LEFT AND RIGHT – If killed animal is deer or elk. An antler is the annually cast and regenerated bony growth originating from the skull of a big game animal as part of its life cycle. "Antler point" means a projection off an antler main beam which is at least 1 inch in length with the length exceeding the width of the base. For mule deer exclude the first point on the main beam near the skull, commonly known as the eye guard.
3. **CLEARLY PUNCH** SEX of kill – except for Swan

Write the unit where kill occurred. Refer to regulation brochure map in the NV Hunt Guide.

Filling or marking blocks with pencil or ink IS NOT acceptable. Clearly punch the appropriate blocks.

**AFTER PUNCHING:** The tag must be firmly attached to the carcass of the animal, by the hunter, at or before the time he first reaches his means of transportation or camp and shall remain with the major portion of the meat until consumed. In the case of mountain lion or bear, the tag shall be firmly attached to the hide of the animal and the tag shall remain with the raw hide while in transportation from the field. Mountain lion and bighorn sheep must be inspected and sealed by a NDOIOW employee. Check your NV Hunt Guide for details.

|       |     |     |     |     |    |    |    |    |    |    |    |               |       |      |        |                       |
|-------|-----|-----|-----|-----|----|----|----|----|----|----|----|---------------|-------|------|--------|-----------------------|
| MONTH |     |     |     | DAY |    |    |    |    |    |    |    | ANTLER POINTS |       | SEX  |        | Unit of Kill Location |
| JUN   | SEP | DEC | MAR | 1   | 2  | 3  | 4  | 5  | 6  | 7  | 8  | Left          | Right | Male | Female | _____                 |
| JUL   | OCT | JAN | APR | 9   | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 1             | 2     |      |        |                       |
| AUG   | NOV | FEB | MAY | 17  | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 3             | 3     |      |        |                       |
|       |     |     |     | 25  | 26 | 27 | 28 | 29 | 30 | 31 | 4  | 4             |       |      |        |                       |
|       |     |     |     |     |    |    |    |    |    |    |    | 5             | 5     |      |        |                       |
|       |     |     |     |     |    |    |    |    |    |    |    | OVER          | OVER  |      |        |                       |

The information you provide is very important for proper game management. Complete and submit the questionnaire, even if you did not hunt, to preclude being penalized as per NAC 502.405 (for bear, deer, antelope, elk, mountain goat and bighorn sheep); NAC 502.407 (for turkey).

No questionnaire is required for mountain lion.

### QUESTIONNAIRE INSTRUCTIONS:

Fill in the information requested and Submit online at [www.huntnevada.com](http://www.huntnevada.com) or mail the Questionnaire to: Wildlife Administrative Services, P.O. Box 1345, Fallon, NV 89407-1345.

Questionnaires must be received on or before the DEADLINE DATE STATED IN REGULATION and on the face of this questionnaire.

The 3-digit unit of kill is the unit number where the animal was harvested. Refer to map in the Nevada Hunt Guide.

Please remove the Taxidermy Record stub prior to mailing the questionnaire.

### TAXIDERMY RECORD STUB INSTRUCTIONS

**TAGHOLDERS:** This Taxidermy Record is provided to you should you decide to have your animal mounted. Remove this stub and keep it with the non-edible portion of your animal and give it to the taxidermist for record keeping purposes.

Present this taxidermy record stub to the taxidermist when leaving the head, hide, antlers or horns with the taxidermist.

ONLY THE TAGHOLDER IS AUTHORIZED TO USE THIS TAXIDERMY RECORD STUB.

**THIS IS NOT A TRANSPORTATION PERMIT**

### Transportation Permit Transporter Copy

Transporter's signature -Your signature attests that you are receiving wildlife, under perjury of law.

Transporter's DL Number: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
(Date and time is when the transfer of the animal to the transporter takes place)

Witness signature -Your signature attests that you witnessing the transfer, under perjury of law

Witness' DL number: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
(Date and time is when the transfer of the animal to the transporter takes place)

Destination of wildlife to be transported:  
Address: \_\_\_\_\_

City: \_\_\_\_\_  
State: \_\_\_\_\_

### Transportation Permit Tag Holder Copy

Transporter's signature -Your signature attests that you are receiving wildlife, under perjury of law.

Transporter's DL Number: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
(Date and time is when the transfer of the animal to the transporter takes place)

Witness signature -Your signature attests that you witnessing the transfer, under perjury of law

Witness' DL number: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
(Date and time is when the transfer of the animal to the transporter takes place)

Destination of wildlife to be transported:  
Address: \_\_\_\_\_

City: \_\_\_\_\_  
State: \_\_\_\_\_

# Tag

# Questionnaire

# Taxidermy Stub

# Transportation Permit

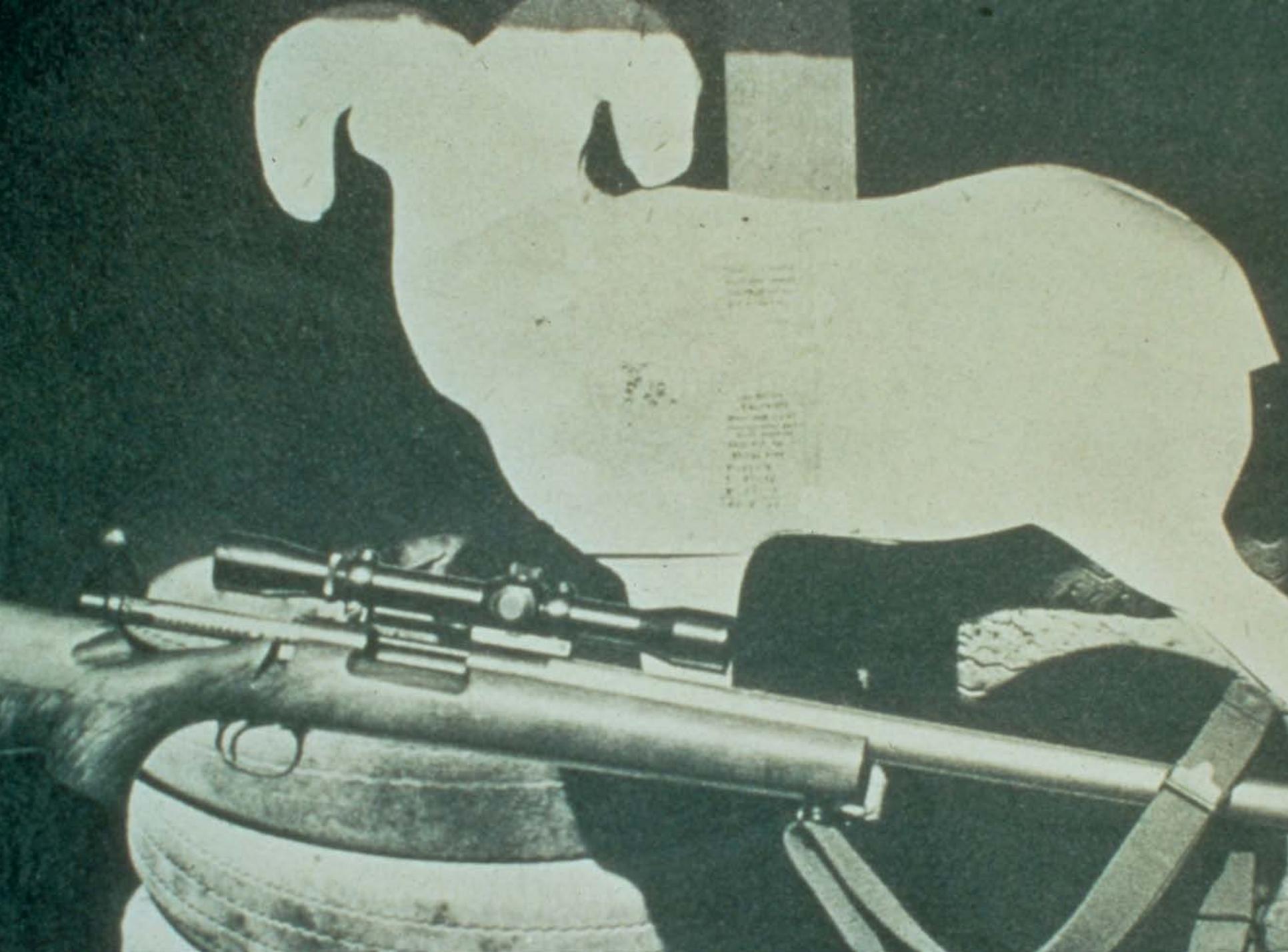
# SPECIAL REGULATIONS

- LAKE MEAD NATIONAL RECREATION AREA (NPS) (264, 265, 266, 267, 268, 272)
- VALLEY OF FIRE STATE PARK (268)
- SPRING MOUNTAINS AND RED ROCK NCA (262)
- DESERT NATIONAL WILDLIFE RANGE (USFWS) (282, 283, 284, 286, INCLUDING 280, 281)
- BOULDER CITY EASEMENT (263, 264, 265, 266),
- SPECTER RANGE (253 SPECTERS)
- NELLIS AIR FORCE RANGE (252, 280, 281, 282) —  
MINIMUM HUNTER AGE
- CLARK COUNTY ROAD CLOSURES (262, 263, 268)
- FALLON NAVAL AIR STATION (181)
- MOUNT GRANT U.S. ARMY DEPOT (202)
- WILDERNESS AREAS





















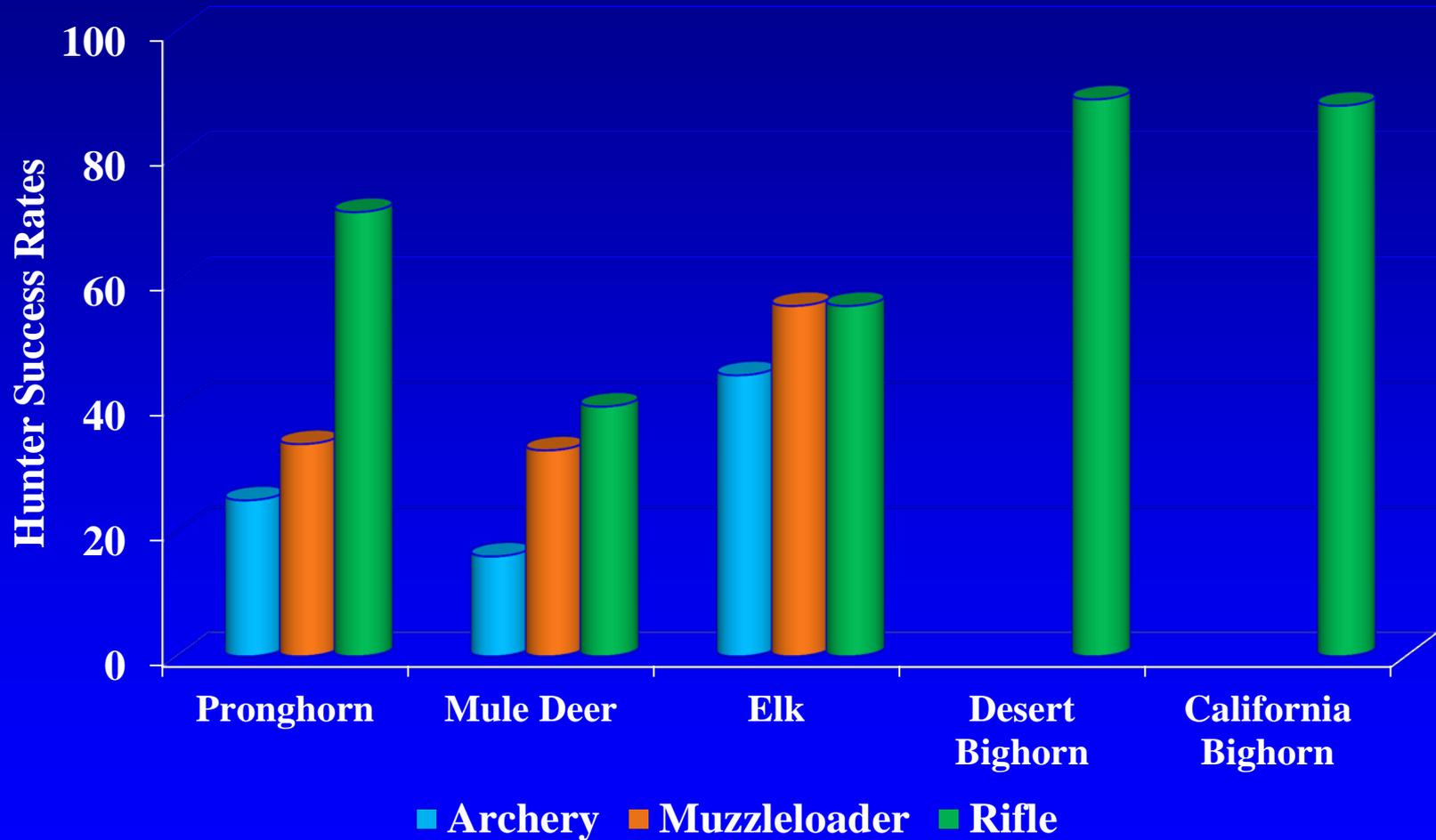






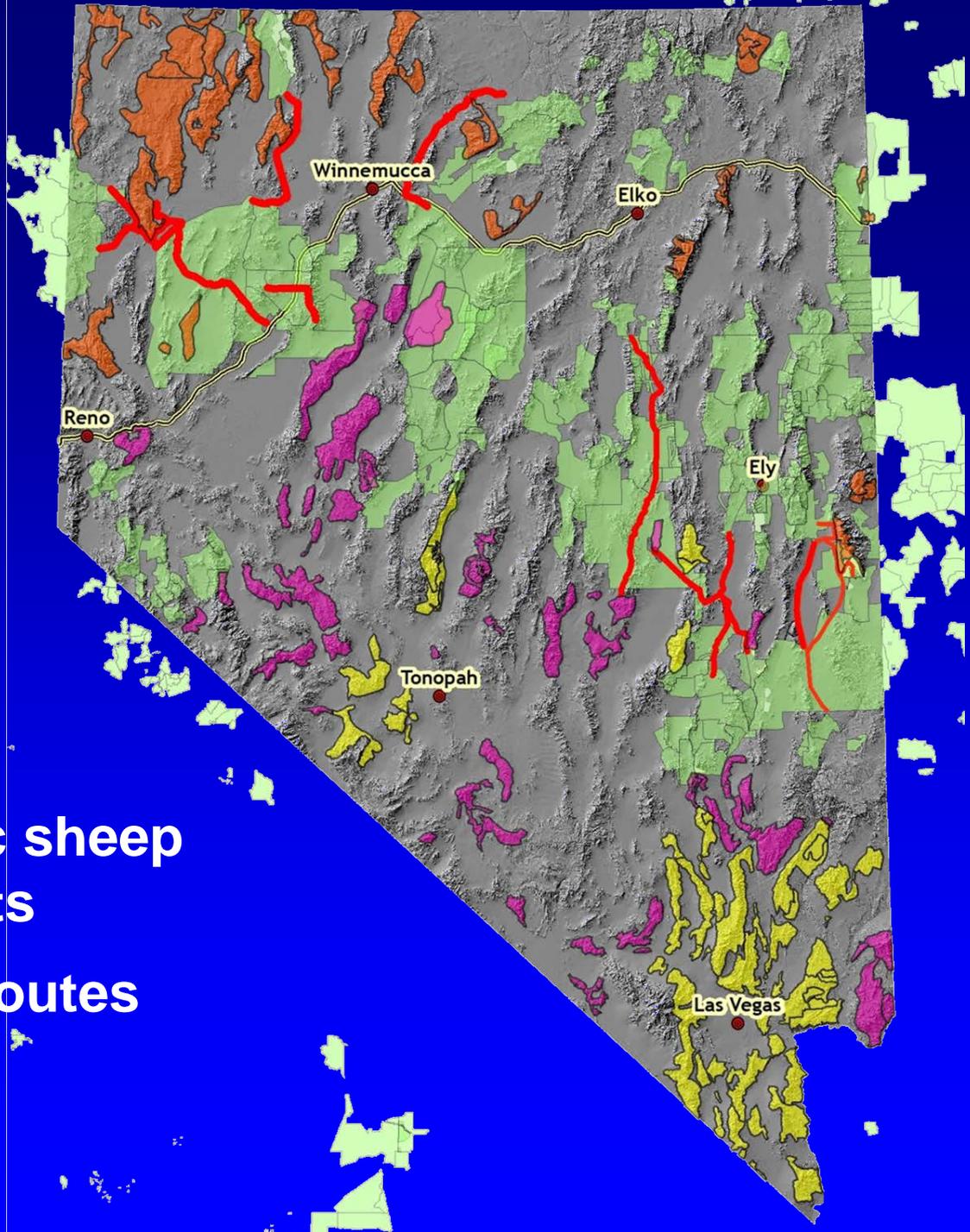


# AVERAGE HUNTER SUCCESS RATES FOR 2014 NEVADA BIG GAME HUNTING



# Overlay of Domestic sheep allotments and occupied Bighorn sheep habitat

- Domestic sheep allotments
- Trailing routes



Meat and weed goats are also a major concern that may occur on private lands statewide, with no way of knowing when and where they may show up.



**Report any sightings of domestic sheep or goats  
while scouting or hunting immediately to  
a NDOW biologist or warden  
or**

**Operation Game Thief at 1-800-992-3030**

**Be as specific as possible with coordinates of the domestics**



# Collecting Samples from Your Harvested Ram

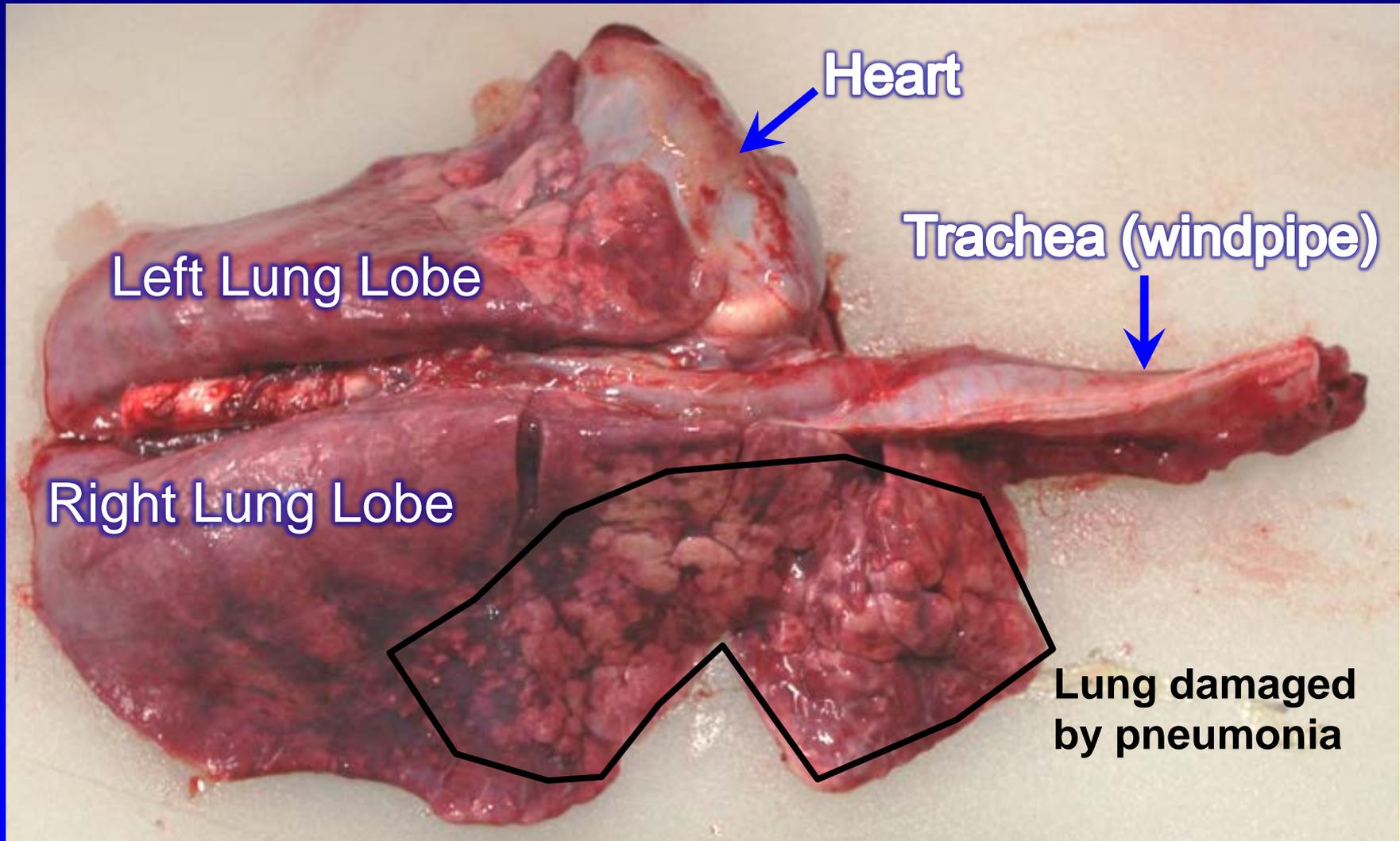


Sampling Kits are being mailed to ram hunters in units of interest and to all ewe hunters to collect liver, lung, and trachea (wind pipe)

## Objectives

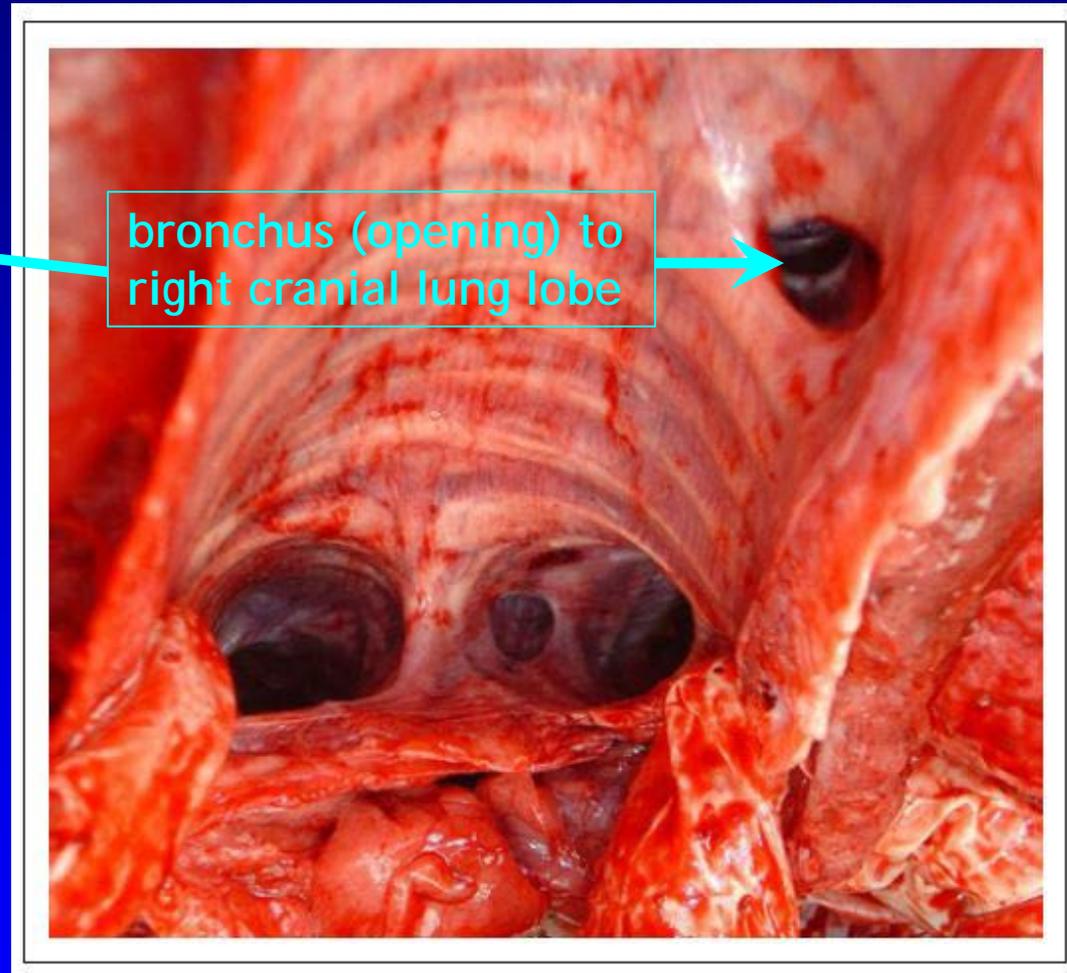
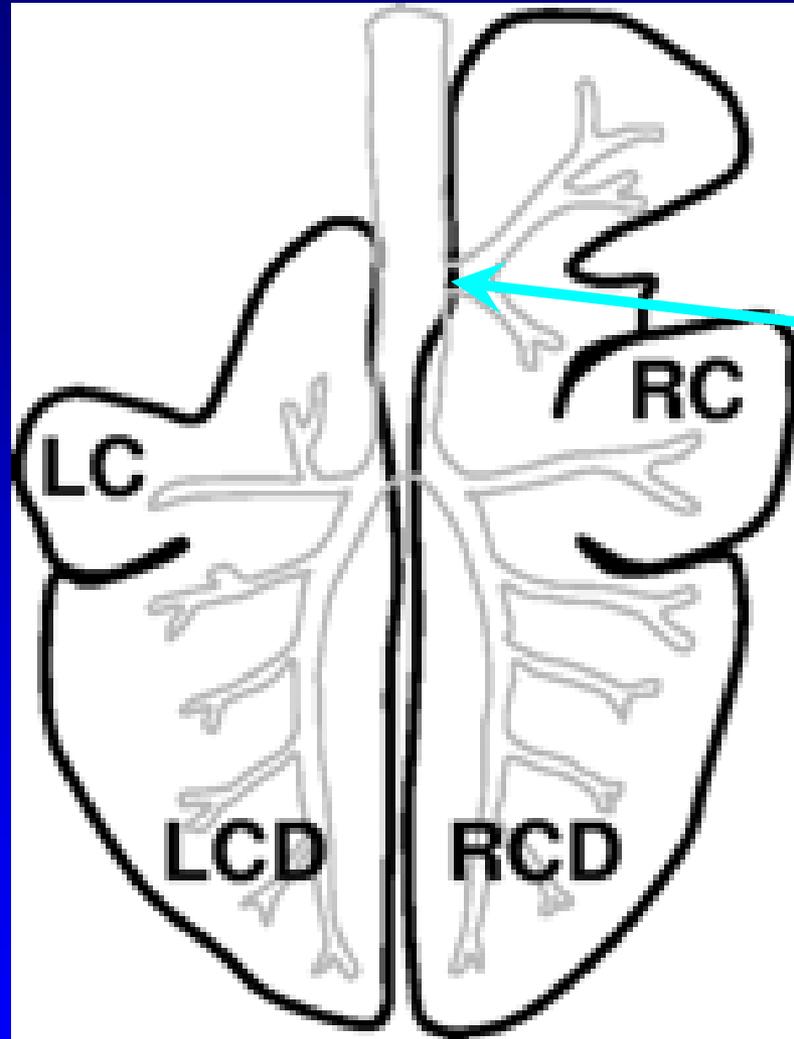
- Allow NDOW to monitor and build a baseline for presence of respiratory pathogens in our bighorn herds
- Allow UNR to conduct genetic analyses to monitor herd dispersal and mixing
- Allow NDOW to monitor trace mineral levels

## Picture of what you should collect from your bighorn sheep



Carcass Orientation - Imagine your harvested bighorn sheep laying on its stomach with its head to the right; that is how the organs above are oriented.

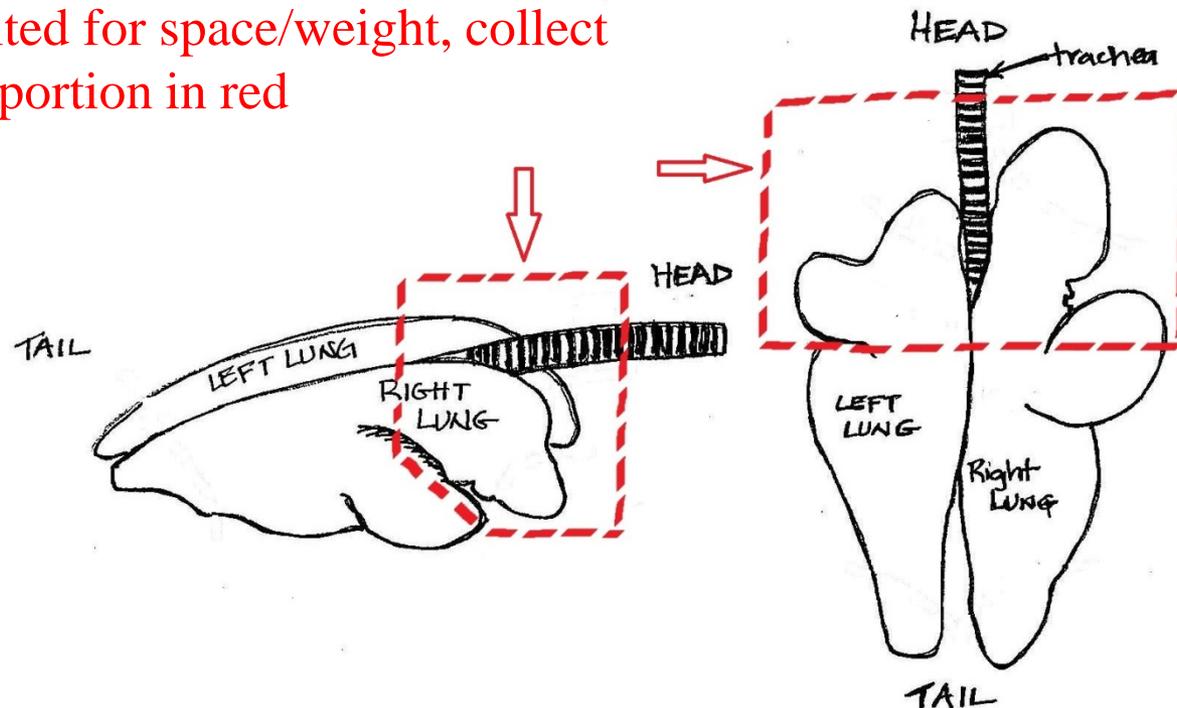
## Head



Bifurcation of the trachea illustrating the recessed bronchus (opening to the right-cranial (front) lung lobe). This opening is where bacteria and other pathogens first enter the lungs and is why pneumonia is first detected in the right cranial lung lobe as illustrated in the previous slide.

Please collect the right and left lung lobes along with the trachea (wind pipe) and place in bag. Keep samples cool and then freeze when you get home. Bring to NDOW office when you check your bighorn sheep in.

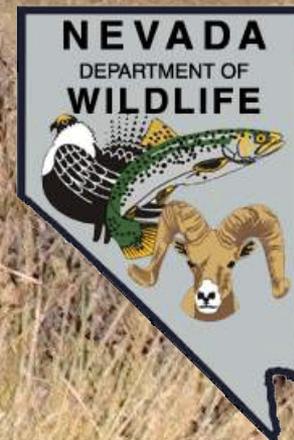
We prefer you collect the entire lung and trachea but if you are limited for space/weight, collect the portion in red



# Seminar Topics

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- **POST HUNT AND TROPHY CARE**







The tagholder who harvested the ram must show up in person to an NDOW office to legally check the ram in.





Nevada Department of Conservation & Natural Resources  
 DIVISION OF WILDLIFE, GAME BUREAU

**BIGHORN SHEEP HUNTER OBSERVATION FORM 218**

Your field observations are important to us. Please fill out this form and return it when you check out or by mail.

**Hunter Name:** \_\_\_\_\_ **Hunt Unit:** \_\_\_\_\_ **Year:** \_\_\_\_\_

- How many days did you **scout**? \_\_\_\_\_ **hunt**? \_\_\_\_\_ **Successful?** Yes  No
- Did you hit any bighorn sheep you were unable to recover? \_\_\_\_\_ How many? \_\_\_\_\_  
 Where? \_\_\_\_\_
- How many bighorn sheep did you see and where did you see them?

| Location              | Rams | Ewes | Lambs | Unclass-ified | Total Bighorn | Days Hunted at Location |
|-----------------------|------|------|-------|---------------|---------------|-------------------------|
| SCOUTING OBSERVATIONS |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
| HUNTING OBSERVATIONS  |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |
|                       |      |      |       |               |               |                         |

- Other Observations:  
 Domestic Sheep or Goats \_\_\_\_\_  
 Bighorn Sheep Mortalities \_\_\_\_\_  
 Bighorn Sheep Sickness \_\_\_\_\_  
 Other Unusual Sightings \_\_\_\_\_

*THANK YOU FOR YOUR COOPERATION*