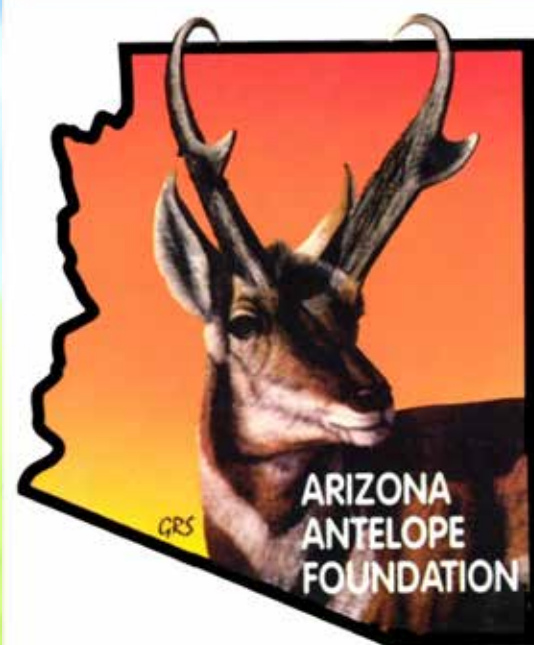




# PRONGHORN

*1st Quarter 2015*  
*Volume 21 Number 1*

## *Southeastern Arizona Grasslands Pronghorn Initiative*



***“Libertas ad Vagor”***  
***...Freedom to Roam***

# ARIZONA ANTELOPE FOUNDATION, INC.

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### AAF Mission Statement:

The Arizona Antelope Foundation is an organization dedicated to the welfare of pronghorn antelope. The Foundation's Mission is to actively seek to increase pronghorn populations in Arizona through habitat improvements, habitat acquisition, the translocation of animals to historic range, and public comment on activities affecting pronghorn and their habitat.



# Fence Workers!

Our April project is an aggressive one and we need lots of volunteers! We have a large section of fence to rebuild and will work over a 3-day period. Project begins Friday April 17th at 10:00 am and ends around noon on Sunday. Come 1, 2 or all 3 days. You will be fed dinner Friday and Saturday nights, and breakfast Saturday and Sunday mornings. RSVP to [info@azantelope.org](mailto:info@azantelope.org)

*Pronghorn is a quarterly newsletter for the members of AAF. Letters, comments, news items, articles, pictures and stories are all welcome and will be considered for publication. Address all such items to: Tracy Unmacht, Pronghorn Editor, PO Box 12590, Glendale, AZ 85318, or by email at [info@azantelope.org](mailto:info@azantelope.org).*

## PRESIDENT'S MESSAGE

I welcome you again to another issue of the Pronghorn. My message this month is simple: We have set some major goals this year, and we need everyone's help to complete them.

### **Banquet:**

We are looking for donations of any type and kind to put into our Banquet!!! It is imperative that we raise as much as we can at our Banquet coming up on May 2nd, as it is our only real fundraiser of the year. Without the funds this banquet generates, we would not be able to fulfill our objectives.

### **Projects:**

We have many projects scheduled this year, and I encourage you to look at our calendar. Please try and make plans to attend 1 or 2. The projects we have planned this year are lofty, and the more help we receive the lighter the work becomes on everyone.

### **Board members:**

We always welcome new board members. Our board truly flourishes when new faces appear. I would encourage anyone to try and attend our monthly meetings and become engaged.

Thanks again for all you do!! We can't do it without you!!



"LIBERTAS AD VAGOR".... FREEDOM TO ROAM

*Shane Stewart*  
President

---

## ***MARK YOUR CALENDAR***

**April 17-19 HW 83 Empire Ranch Project**

**May 2 Fundraising Banquet**

**June 13 Annual Hunter Clinic**

**June 27th Prescott or Unit 7 Project**

**August 15th Unit 7 Project**

**September 19th Bonita Project**



# ENVIRONMENTAL EDUCATION ANALYSIS THROUGH LEARNING

BY JOHN MILLICAN, FIELD MANAGER

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Efforts to restore grasslands in Southeast Arizona over the past 3 years have involved development of an array of management practices involving a variety of state, local, government and private partnerships. As reported in past “Pronghorn” articles, the impetus for this restoration effort has been through a \$230,000.00 National Fish and Wildlife Federation (NFWF) grant, administered through the Arizona Antelope Foundation.

These efforts have resulted in 15,000 acres of brush management, established 82,341 acres of habitat connectivity through the modification of 46 miles of fence, developed 11 yearlong waters, developed a Pronghorn travel corridor to circumvent the expansion of human development, and enhanced the Sonoita/Elgin population from a low of 27 animals in 2012, to a current population of over 100.

The successes have been wide-ranging, focused primarily on two “Keystone” species, Black-tailed Prairie Dog

and Pronghorn Antelope. Paralleling the restoration of grasslands and these populations has been the Arizona Game and Fish Departments’ Pronghorn Population Enhancement project which has been instrumental in the development of coyote control programs, and the capture and reintroduction of Pronghorn from New Mexico and Prescott into the Sonoita Plains and San Rafael Valley.

Now that the Sonoita sub-population is on the rebound, and may number around 175 animals after 2015 fawn recruitment numbers are added to the population, it is time to focus on observing how this Pronghorn population utilizes the many habitat enhancement improvements. To achieve this, AAF has developed an educational component to the NFWF grant, by involving Tombstone High School (THS) FFA students.

In 2013 the Hereford National Resource Conservation

*(Continued on page 5)*



*Babacomari Ranch, West Pasture project area*



***Brad Fulk discussing AZGFD Pronghorn Population Enhancement project with THS FFA students.***

*(Continued from page 4)*

Service received an AZGFD Heritage Fund Grant-in-Aid for \$1,936.00 allowing THS students to travel to Prescott to assist with the Pronghorn capture and release efforts which occurred in March, 2014. These students were also on hand to watch the release of 41 New Mexico Pronghorn into the Sonoita and San Rafael Valley locations. Additionally, THS was awarded a \$2,000.00 grant from the National FFA Organizations Living to Serve: Environmental Grant program, which provided the students the opportunity to study Pronghorn and their habitat.

To enhance this educational opportunity, the AAF and AZGFD worked directly with the THS Agriculture teacher and FFA students to develop an environmental curriculum which encompasses both classroom and field activities. The effort will allow students to gather information, record data, and utilize GIS basics to analyze movement patterns and habitat use of Pronghorns within the project area located in the West Pasture of the Babacomari Ranch. This data collection is partially aided by GPS collars that have been collecting movement data since the releases in 2014. The collared Pronghorn will be tracked by the students throughout the 2015 school

year with database and mapping tools developed through classroom instruction by Carolyn Patrick, our GIS Specialist.

So that hard data can be collected on movement and habitat use, a number of field trips have been completed, with up to 3 additional on-the-ground trips planned. As part of this data collection and analysis, students will utilize equipment on loan basis from the AZGFD, purchased through the NFWF grant or purchased through other grant funds.

On February 18, 2015 a total of 12 students made up of freshmen and upper class students, along with Agriculture teacher, Sarah Odelle attended a field trip to become acquainted with the project area and better understand the history of the Sonoita Plains Pronghorn population and ongoing management activities. Various water sources were visited, allowing the students to collect water samples and to utilize equipment to mark waypoints, take temperature measurements, develop needed field data sheets, and record necessary data for classroom analysis. The students even had the fortune of locating a group of Pronghorn, one of which was

*(Continued on page 6)*



*(Continued from page 5)*

equipped with a radio collar which will be the focus of their classroom research and mapping activities. Future field trips will continue to collect water samples so that students can check pH levels during different temperature variances, and in various water developments including earthen tanks and installed water troughs. Additionally, vegetative analysis protocol is being developed so students can complete vegetative transects, analyzing vertical height and its relationship to fawning cover. These field exercises, along with in classroom wildlife monitoring, data analysis, and critical habitat mapping development will greatly enhance the students understanding of scientific principles utilized in Wildlife Management. To date, our past educational efforts have influenced at least 2 graduating seniors to pursue natural resource degrees.

Instilling this science based education into our youth is essential to the development of future Resource professionals and Conservation advocates. Planting the conservation seed into our youth will provide our next generation the knowledge and means to become stewards of our land and wildlife.



*Students collecting water samples from dirt tanks*

*Students collecting water and air temperature data. Sarah Odelle, Agriculture teacher, on right*

*Glenn Dickens presenting Pronghorn ecology and history to THS FFA Students. Teacher Sarah Odelle on right*



# SONORAN PRONGHORN UPDATE



BY JILL BRIGHT AZ GAME & FISH  
NOVEMBER 2014

## *Captive Breeding:*

### Cabeza Prieta Captive Breeding Pen

Currently there are 88 pronghorn in the pen; 26 adults and 14 fawns in north half and 34 adults and 14 fawns in south half. Orange collar doe in north was last seen on October 24 and it appeared her right eye was infected, and she was slightly underweight. She was not seen for over two weeks; the pen crew did not search for her initially because they did not want to startle her or cause her to run with a bad eye. She was found dead on the November 11 near where she was last seen; cause of death is unknown, but her eye infection and her age (11+) likely played a role. She was one of the original females put in the pen from the wild in December 2004. A yearling buck in south herd has been observed limping and walking stiffly; the pen crew continues to monitor him; he appears to graze normally, and has not lost any weight.

Two yearling females from north crossed the midline fence sometime between November 29th and December 1st. Both are now in south herd and appear fine. The midline fence was checked and it appears they may have jumped over. The pronghorn were treated with Corid (for prevention of coccidian spp) in their water for 5 days 24 – 29 November. This is the last of three treatments this year; the first was in March, and the second in mid-July.

The pen crew continued to prepare for December boma captures throughout the month. Both herds have been entering the bomas on a consistent basis; if this trend continues, the majority of both herds will be captured. We are planning to do the boma capture/release December 11 -14. If all the pronghorn are caught in the bomas, there will be 35 pronghorn for release to Kofa, Organ Pipe Cactus NM, and the BMGR-West. All the other pronghorn will be marked and returned to the Cabeza pen.

### Status of Pronghorn in Cabeza Pen

February 2015

NORTH HALF		SOUTH HALF	
Adult Females	10	Adult Females	13
Yearling Females (b 2014)	5	Yearling Females (b 2014)	8
Breeding Buck (from wild, L Yellow 55)	1	Breeding Buck (b 2013, L Black 8)	1
Back-up Buck (b 2013, L Blue 52)	1	Buck (b 2013, Black collar)	1
Yearling Bucks (b 2014)	8	Yearling Bucks (b2014)	7
Fawns (born 2015)		Fawns (born 2015)	
<b>TOTAL</b>	<b>25</b>	<b>TOTAL</b>	<b>30</b>
<b>Total Pen</b>	<b>55</b>		

(Continued on page 8)

**Kofa Captive Breeding Pen**

All the pronghorn in the Kofa pen are doing well. Two fawns have been observed in the pen. The pen received 0.46 inches of rain the night of March 1st, which will help green up the pen and King Valley.

**Status of Pronghorn in Kofa Pen**

February 2015	
Adult Females	12
Yearling Females (b 2014)	11
Adult Males	4
Yearling Males (b 2014)	4
Fawns (born 2015)	2
<b>TOTAL</b>	<b>33</b>

**Summary of Pronghorn for Release into the Wild**

**2014 Released Pronghorn - Cabeza**

The 9 pronghorn released on ORPI have mixed with the 4 pronghorn that were released last year, and are remaining in the Valley of the Ajo, in several groups. The two pronghorn released on BMGR-West have been observed together with a buck released last year and have been using the northeastern Mohawk Valley.



**2014 Released Pronghorn - KOFA**

The pronghorn released on Kofa are still being seen in two general areas. Four males are generally in the vicinity of the pen. Most of the other pronghorn are now usually found in the southern King Valley on Kofa, often in one big group.

***Water Projects:*** With assistance from USFWS personnel and Yuma Valley Rod and Gun Club volunteers, we completed the new 11,000 gallon pronghorn water in the Agua Dulce area of Cabeza NWR February 19-21. We plan to build a new water on Kofa refuge soon.

***Forage Enhancements:*** All the forage plots are still green with the rains; consequently we are not irrigating any.

***Wild Pronghorn Cabeza/ORPI/BMGR Herd:*** Three fawns were observed with pronghorn groups on the latest aerial telemetry flight. Several females were off by themselves and likely have or will soon have fawns. The entire range is very green and forage conditions appear excellent.

***Wild Pronghorn KOFA Herd (prior to 2014 releases):*** The pronghorn on Kofa are in several groups. All the pronghorn except one male that were in the vicinity of the pen have moved in a group to the north edge of YPG. Several other groups are on YPG and the southern King Valley. No fawns have been observed yet. Habitat conditions vary; some areas are fairly green while other areas have lingering green forage only in the washes. The recent rains should improve conditions on Kofa as the weather warms up.



# SE ARIZONA PRONGHORN GRASSLANDS PROJECT

BY GLEN DICKENS, AAF VICE PRESIDENT AND PROJECTS MANAGER

On February 7<sup>th</sup> the author presented a technical/professional presentation at the annual Joint Meeting of the Arizona and New Mexico Chapters of The Wildlife and Fisheries Societies held in Las Cruces New Mexico. The “JAM” was attended by over 300 wildlife professionals and students from both states. Forty of those attended the presentation entitled; “*Arizona Antelope Foundation Southeastern Arizona Grasslands Pronghorn Initiative*”. They were presented with a three year overview and the results of the AAF’s partnering with the National Fish and Wildlife Foundation, Arizona Game and Fish Department, Bureau of Land Management, private land owners and other NGO organizations to achieve major positive results for local Pronghorn population herd areas.

The same presentation was made at the February 17<sup>th</sup> working session of the “Central Arizona Grasslands Conservation Strategy” held at Ben Avery Shooting Range and attended by 20+ Arizona Game and Fish and federal land management agency personnel. This working group is co-chaired by the Mesa and Kingman Regional Habitat Specialist Program Managers; Kelly Wolff-Krauter and Trevor Buhr. Topics covered at the working session included: CAGCS implementation project updates, a grant proposal for the NRCS Regional Conservation Partnership Program, an overview of the Wildlife Habitat Enhancement Initiative (GMU 21), The CAGCS Ecosystem Management Decision Support Tool pilot prioritization project.

In addition, participants from within the project area gave updates on progress and successes to date. Look for a full article about this work group and its efforts on

behalf of the central Arizona grasslands and their key species in a future quarterly issue of the *Pronghorn*.

The presentations abstract follows:

**Abstract:** In 2011, 2013 and 2014 the Arizona Antelope Foundation was awarded 3 different National Fish and Wildlife Foundation grants totaling \$510,000 to support the AAF’s 5-year *Southeastern Arizona Grasslands Pronghorn Initiative* initiated in April 2010. Matching non-federal contributions valued at \$510,000 include: AAF and private land owner project labor and materials; Pima County Sonoran Conservation Plan land acquisition funds and Arizona Game and Fish Big Game Tag Habitat Partnership Funds. The “Southeast Arizona Collaborative Grassland Workgroup”, created in February 2010, collaboratively drafted a southeastern Arizona Regional Pronghorn Strategy to increase pronghorn population numbers, distribution and connectivity. Partners in this working group include: AAF, AGFD, BLM, USFS, SLD, USDA, USFWS, Pima County, Arizona Wildlife Federation, Nature Conservancy, Audubon Society, Tombstone High school and local ranchers/landowners.

Long-term goals for this 6-year grant period 2011-17 are to:

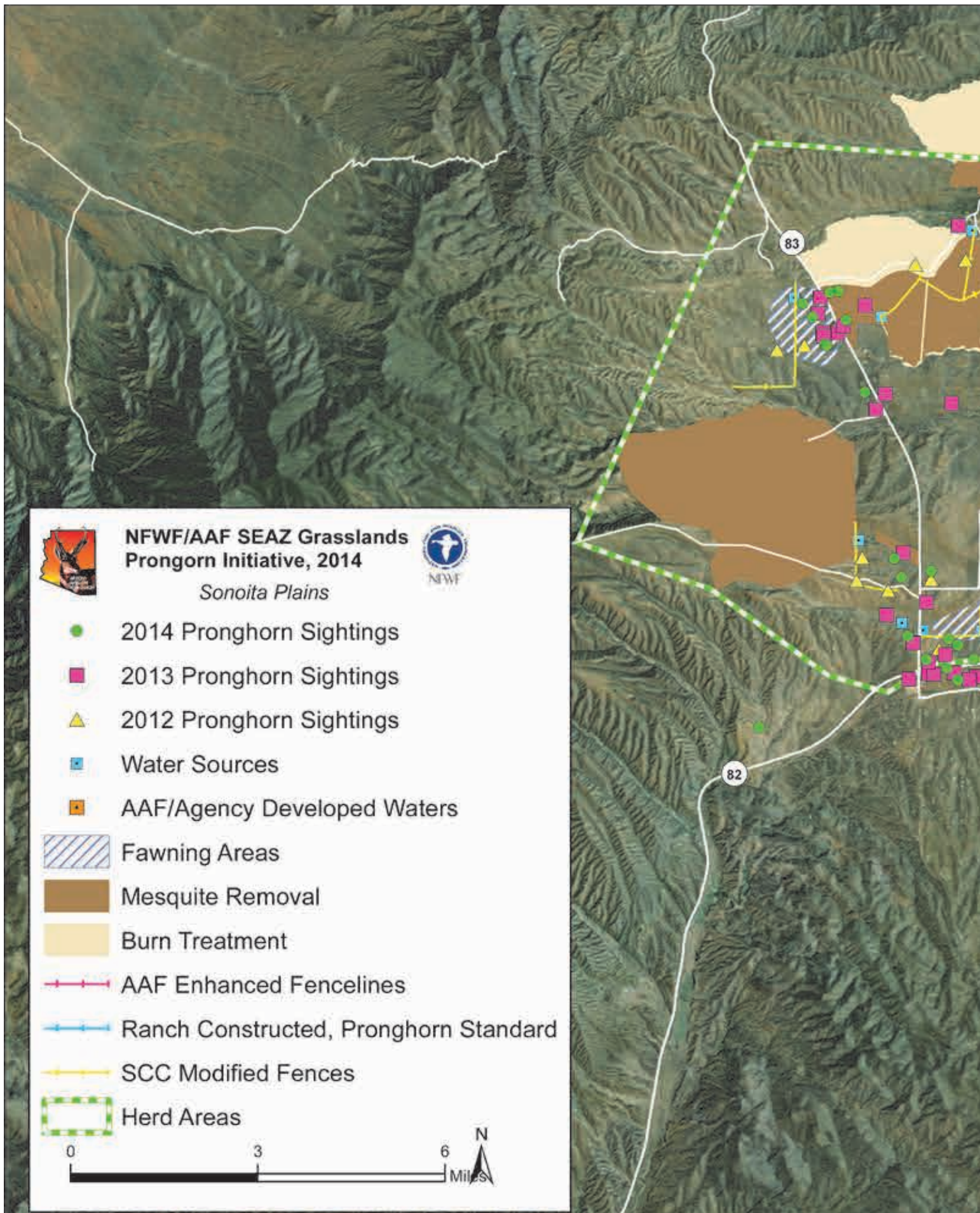
1. establish a region-wide dynamic geodatabase with integrated multi-species layers to prioritize grasslands restoration/maintenance activities for pronghorn and other sensitive grassland species
2. permanently record pronghorn travel corridors and remove or modify barriers, including fences, shrubs and trees
3. target/plan grassland treatments/burns in priority habitat locations on an annual and long-term basis to benefit the highest number of keystone grassland species
4. supplement at least one pronghorn population and increase numbers in two subpopulations
5. improve grassland habitat in five pronghorn subpopulation zones.

We discuss our progress to date and outline the multiple relationships that are ensuring that the initiative succeeds for the long-term benefit of southeastern Arizona’s Pronghorn herds.

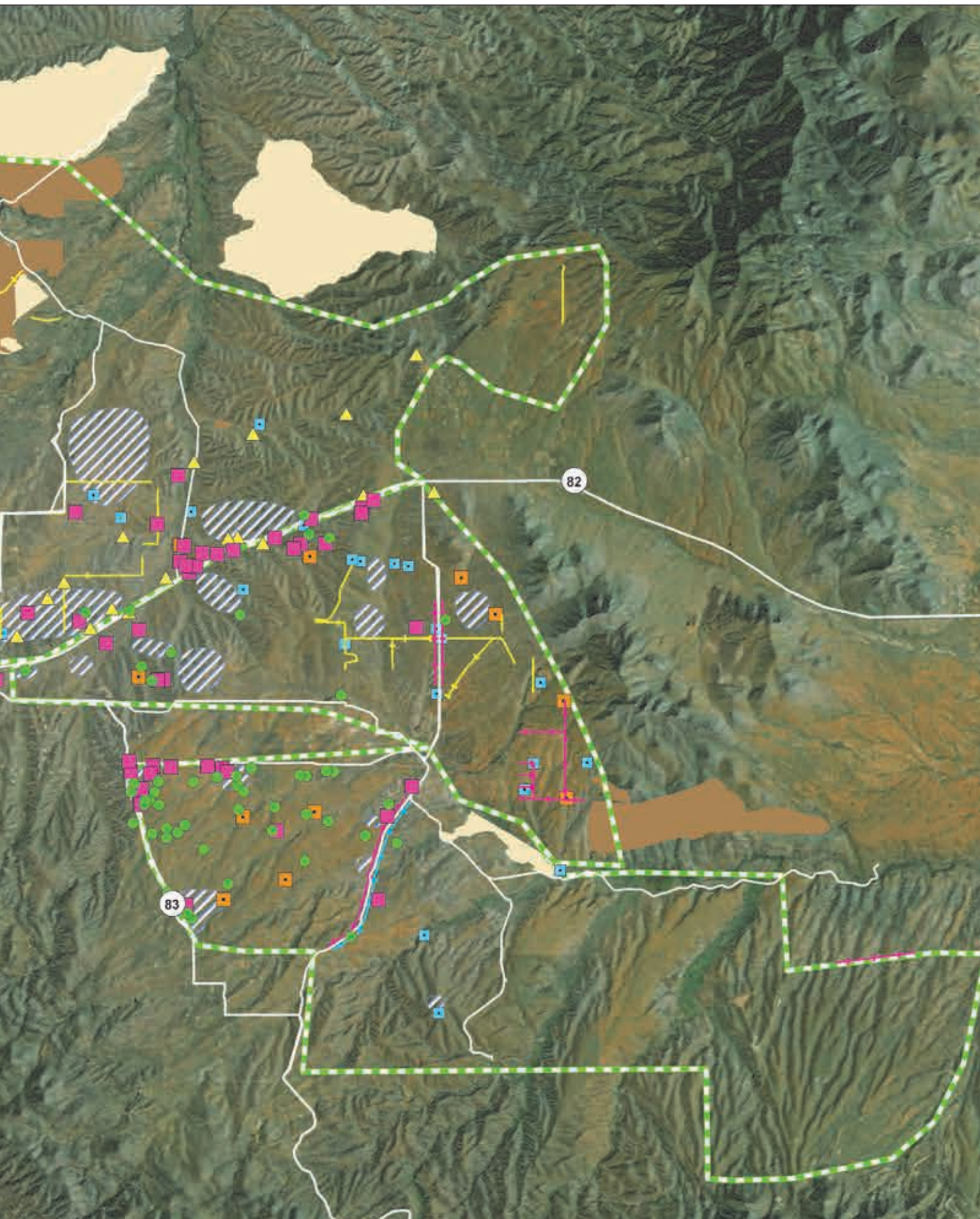
The map on the following page shows the project work to date. We will continue to provide updates to you.





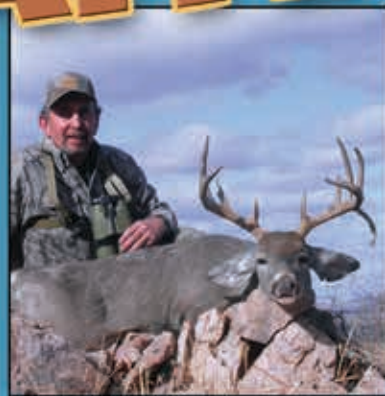








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# FROM THE PRONGHORN ARCHIVES

## FROM VOLUME 3, NUMBER 3, SUMMER 1995

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### SOCIALIZATION OF PRONGHORN FAWNS BY CINDY TICER

The interaction between pronghorn does and their fawns is considered to be the most often observed unit of association among pronghorn social groups. Pronghorn does must prepare their offspring for acceptance into and effective functioning as individual members of an organized group, or herd.

Preparation of fawns as social animals begins at birth and continues through a series of phases, including the neonatal, post neonatal (nursery herd), and yearling phases. Although yearlings are technically not fawns, they are at that awkward stage between fawn and adult (what we refer to as teen-agers in humans), and their induction into the herd will be briefly mentioned.

Contrary to the gregarious nature of pronghorn, pregnant does usually separate from the herd to give birth. Within the first day following birth, the primary bond between a doe and her fawns forms; this process is referred to as imprinting. Keeping in mind that pronghorn typically twin, the fawn's initial contact with its own species is with its mother and sibling.

Fawns remain with their mothers for up to 12 hours following birth, until they make their move to seclusion, in which they will separate to find bed sites in appropriate hiding cover. During the next 3 weeks of this neonatal stage, fawns will remain bedded almost 90% of the time. Does normally only interact with their fawns to initiate brief periods of nursing and grooming. Newborn sibling fawns do not bed together; this reduces the likelihood that a predator will find both fawns. The fawns will remain apart for the next week, except for brief reunion periods.

After 1 week, the siblings may be found together for longer periods of time, mostly interacting through play. Play is believed to be an important behavior by which young animals learn to live in a social group and establish their hierarchical place in that group. Sibling fawns establish play together long before play is established with non-siblings. However, the newborn fawns are still vulnerable to predation and continue to use separate bed sites. Although fawns remain separate during this stage, lactating does continue to interact with other does. Occasionally, these interactions between does will expose fawns to non-maternal does and non-sibling fawns before they normally would be.



Experts believe that such premature interactions may force fawns to discriminate individuals.

After three or four weeks, pronghorn fawns are swift enough to elude most predators, and they come out from their seclusion. During this stage, fawns begin to interact more with their mothers by mimicking the does' activities, such as feeding on the same plants or bedding in

the same location. The fawns are also exposed more to non-maternal does and non-sibling fawns. Small groups of does with fawns develop *nursery herds*. This term, however, does not imply that pronghorn does "baby-sit" other does' fawns, because they usually do not (it just refers to the doe-fawn groups). Although single does are often seen with more than their own fawns, experts believe that these does are primarily looking after their own fawns.

Contrary to the newborn stage, it is now up to the fawns to initiate fawn-doe interactions. At this point, the occurrence of fawn-doe interaction begins to decrease, and fawns interact mostly with each other. As the herd matures, you may even see groups of fawns alone.

(Continued on page 14)

(Continued from page 13)

While experts believe that pronghorn does do not typically "baby-sit", the contrary may be true for mature pronghorn bucks. For example, I have witnessed the protection of a pronghorn fawn from a coyote by a mature buck. Although interaction between pronghorn fawns and bucks appears to be much less frequent than interaction between fawns and non-maternal does, it has been speculated that such frequency would be expected in hunted populations, where bucks comprise a smaller proportion of the population. As support for this, I have observed buck-fawn interaction with much greater frequency in areas where mature buck densities were high.

As soon as pronghorn fawns are introduced into nursery herds, they begin sparring with each other to determine dominance. A dominance hierarchy is generally established by 11 weeks of age.

Fawns are normally weaned at about 4 months of age; however, male fawns are generally weaned 2 to 4 weeks earlier than female fawns because of their aggressiveness. Female fawns will continue sparring among themselves and with mature does for hierarchical positions in the herd and will mate at 8-12 months. Similarly, males continue sparring for hierarchical positions among themselves and, occasionally, with older two-year-olds.



*Photo by Linda Kennedy*

Males will reach sexual maturity at one year but don't normally breed until they are more dominant.

Pronghorn possess interesting social characteristics in that they adjust their degree of sociability to changing ecological conditions. The socialization of pronghorn fawns is a gradual event which begins with a period of isolation. Although isolation does not appear to be a good social characteristic, it mainly is a necessary anti-predator adaptation of pronghorn.

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## AZ SPORTSMEN FOR WILDLIFE CONSERVATION

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The AAF has been a member of Arizona Sportsmen for Wildlife Conservation (AZSFWC) for many years. The AAF was originally a member of the Wildlife Conservation Council which merged with AZSFWC in 2010. The AAF continues to be an active member today, both in their contributions, as well as utilization of the license plate grant program. Just take a look at the AAF's new cook trailer, which received most of its funding from AZSFWC!



AZSFWC is a 501(c) (3) non-profit organization whose mission is to educate and inform sportsmen, wildlife conservation organizations throughout the state, and the public at large on important issues related to wildlife and wildlife habitat and to provide, via grants or other sources, funding to conserve Ari-

zona's wildlife populations through habitat enhancement initiatives.

The organization is comprised of member organizations, associate and business members, as well as individual supporters, whose goals and objectives are consistent with the mission of AZSFWC. As of March of 2015, there are 25 member organizations making up AZSFWC, equating to thousands of Arizona sportsmen and women supporting our mission.

AZSFWC publishes a monthly electronic newsletter reaching over 20,000 readers.

These newsletters update subscribers to the latest on sportsmen issues and wildlife matters in Arizona, as well as activities and projects of our member groups. News and information can also be tracked on our web-

*(Continued on page 15)*



(Continued from page 14)  
site at [www.azsfwc.org](http://www.azsfwc.org)

Finally, another key component of AZSFWC is our “Conserving Wildlife” license plate. Anyone can purchase one of these plates from the Arizona DMV or at the Service Arizona website. [www.servicearizona.gov](http://www.servicearizona.gov)

This beautiful specialty plate costs \$25 annually, \$17 of which is returned to us for our AZSFWC License Plate Grant Fund. Through these monies, our License Plate Grant Committee awards grants to non-profit organizations for wildlife conservation and habitat projects, edu-

cation projects and events, and youth related outdoor and conservation activities.



### **AZSFWC 2014 Accomplishments**

- Participated in Cooperating Agencies Stakeholder meetings regarding the Mexican wolf & endorsed the Alternative draft plan, supporting AZ G & F involvement in the process
- Willow Beach Fish Hatchery input
- Supported G & F on Yellow Billed Cuckoo Critical Habitat
- Put forth Resolution on Eagle Closures in AZ
- Bison input to National Park Service on Kaibab
- Lees Ferry Management plan
- Published 17 enews on various topics through the year
- Continued reinforcing relationship with AZGF Commission & Department
- Reviewing Commission’s stance on “Fair Chase”
- Forest planning input to Coconino, Tonto and Kaibab National Forests
- BLM input supporting Planning 2.0 and Backcountry Solutions letters
- Co-sponsored Chino Valley-Williamson Valley Rd fence project with AZ NWTF and MDF
- Offered Reward for vandalism at Meadow Restoration project site funded in part by AZSFWC
- Served on the G & F Commission’s Heritage Operation & Maintenance Resolution Workgroup
- Awarded 18 License Plate Grants totaling \$51,158.00
- Supported the Bipartisan Sportsmen’s Act and the Farm Bill
- Supported appropriations for the Land and Water Conservation Fund
- Supported Recreational Fishing and Hunting Opportunities
- Supported recreational shooting (Yavapai County lands bill)
- Partnered with AZ Wildlife Federation, Trout Unlimited & AZ Audubon on Arizona candidate interviews
- Sent candidate interest survey to all candidates running for political office in AZ for the Primary and General elections
- Continued partnership with TRCP in forming the Western States Sportsmen’s Alliance

# PRONGHORN AND NATIVE AMERICANS

## EXCERPT FROM "ARIZONA'S PRONGHORN ANTELOPE: A CONSERVATION LEGACY"



Although today's pronghorn was on hand to greet the newly arrived big game hunters from Asia some 12,000 years ago, this species does not appear to have been as important to them as bison and other large mammals. Besides being relatively small, pronghorn were probably less prone to being herded off cliffs and into arroyo traps than were bison and other large mammals. Communal big game hunting locales, such as the Garnsey Site near Roswell, New Mexico, while containing several pronghorn, were mostly composed of bison bones. Moreover, communal bison sites are unknown in Arizona, and pronghorn were probably not as susceptible to men armed with atlatls, spears, and nets, even though small bands could occasionally be herded to waiting hunters. This situation changed between 1,000 and 1,500 years ago with the arrival of the bow and arrow. Pronghorn then became an important game animal, so much so that nearly every archeological excavation site located in grassland shows evidence of pronghorn use by early-Americans. Among the oldest artifacts found from this period are split-twig effigies of antelope-looking figures from northwestern Arizona. Later depictions of animals, some definitely intended to be pronghorn, are represented as petroglyphs (rock etchings), pictographs (painted drawings), murals (wall paintings), ceramic designs, and fetishes or effigies.

Even though their hides were inferior to buckskin, pronghorn rivaled deer as a source of meat and sinew for prehistoric Arizonans. Shaman or hunt leaders pecked the images of pronghorn and other big game animals on prominent boulders and rock faces, and painted them in caves and under overhangs. No one now knows the true function of these outdoor art galleries as most of these works of art predate written descriptions. Most archeologists, however, believe that the figures were intended to invoke the cooperation of the game animal's spirit rather than celebrate recent hunts. Be that as it may, examples of pronghorn depicted in rock, while outnumbered by deer and sheep, are pervasive and widespread.

Prehistoric cultures such as the Anasazi, Hohokam, and Mimbres also depicted pronghorn on Kiva murals, on bowls, and as ceramic figures, thereby providing insights into their culture as well as their use of pronghorn. Various pronghorn body parts were retained for headdresses and ritualistic purposes. Pronghorn depic-

tions were present in both prehistoric and contemporary kivas, and Captain John Bourke, on visiting the Zuni Pueblo in 1883, copies a six-foot pronghorn wall painting inside a kiva, noting that he had been told that *"the line running down from the animal's mouth and terminating at its heart may be described as a 'preayer'". It is a pictographic invocation to the antelope on earth to put themselves in the way of the Zunis that they may kill them for food"*.

The ancestors of nearly all of Arizona's Indian cultures hunted pronghorn antelope. Several tribes, including the Chemehuevi, Hopi, and Navajo, had special songs and legends regarding pronghorn, both to relate the lore of the animal's natural history and to enhance the hunting reputation of the teller. Although there are no eyewitness accounts of Native Americans firing grasslands to drive pronghorn toward waiting hunters, as is sometimes relayed, a site near Loa in southern Utah provides ample evidence of Southwestern Indians placing stone lines to "direct" antelope along an often-used escape route where concealed bowmen would ambush them. This may also have been the function of prehistoric rock walls described by Robert D. Diggs at a site north of Springerville (pictured below and written about in the 2006 4th Quarter issue of the Pronghorn that can be found on our website). Hopi elders described other stone walls on Petrified Forest National Park and at other sites in northern Arizona used for a similar purpose.



*The complete article can be found in our book, "Arizona's Pronghorn Antelope: A Conservation Legacy" which can be purchased from our website.*



# MEMBERSHIP

## LIFE MEMBERS

- |                                  |                                    |                                   |
|----------------------------------|------------------------------------|-----------------------------------|
| 1. Art Pearce, Phoenix           | 20. Mick Rusing, Tucson            | 39. Susan Pearce, Tucson          |
| 2. Jim Mehen, Flagstaff          | 21. George Welsh, Kingman          | 40. Glen Dickens, Tucson          |
| 3. Larry D. Adams, Bullhead City | 22. Matthew Massey, Gilbert        | 41. Will Garrison, Peoria         |
| 4. James K. McCasland,           | 23. Don Parks, Peoria              | 42. Tom Waddell, New Mexico       |
| 5. Nina Gammons, Payette, ID     | 24. Bill & Kerrie Jacoby, Chandler | 43. Josiah Austin, Pearce         |
| 6. Nancy Lewis, Phoenix          | 25. Adam Geotzl, Cottonwood        | 44. Connie Taylor, Mesa           |
| 7. Pete Cimellaro, Phoenix       | 26. Shane Stewart, Gilbert         | 45. Mark Boswell, Mesa            |
| 8. Jerry Weiers, Phoenix         | 27. Don Davidson, Mesa             | 46. Jessica R. Pearce, Scottsdale |
| 9. Harry Carlson, Phoenix        | 28. Terry Petko, Mesa              | 47. Douglas Hartzler, Phoenix     |
| 10. David Brown, Phoenix         | 29. Gary M. Johnson, Phoenix       | 48. Karen LaFrance, Phoenix       |
| 11. Art Boswell, Tucson          | 30. Richard Guenzel, Laramie WY    | 49. Kurt Schulz, Waddell          |
| 12. Charlie Kelly, Scottsdale    | 31. Randy Cherington, Scottsdale   | 50. Walt Scrimgeour               |
| 13. Chrissy Weiers, Phoenix      | 32. Joe Del Re, Chandler           | 51. Clifford Nystrom              |
| 14. Al Sue, Scottsdale           | 33. Bob Walker, Phoenix            | 52. Jon Coppa, Patagonia          |
| 15. Mary Keebler, Happy Jack     | 34. Cookie Nicoson, Williams       | 53. Neal Brown, Phoenix           |
| 16. Bill Keebler, Happy Jack     | 35. Tim Blank, Mesa                | 54. Tice Supplee, Phoenix         |
| 17. James Stewart, Phoenix       | 36. Jodi Stewart, Gilbert          | 55. Richard Miller, Flagstaff     |
| 18. Terry Schupp, Tempe          | 37. Keith Joyner, Scottsdale       | 56. William Cullins, Chandler     |
| 19. Dale Hislop, Calgary Canada  | 38. David Hussey, Cave Creek       | 57. Robert Neal Bushong, Yuma     |

## SUSTAINING MEMBERS

- |                              |                                 |                                |
|------------------------------|---------------------------------|--------------------------------|
| Bill Cole, Glendale          | Roger & Ilene Hailey, Flagstaff | Jim & Tracy Unmacht, New River |
| Thomas Collins, Prescott     | Susan Morse, Jericho VT         | David L. Wolf, Flagstaff       |
| William Cordasco, Flagstaff  | Keith Newlon, Sierra Vista      |                                |
| Linda Dightmon, Peoria       | Richard Ockenfels, Mayer        |                                |
| Michael Domanico, Scottsdale | Derek Oyen, Anthem              |                                |
| Randy Gaskill, Show Low      | Bob & Judy Prosser, Winslow     |                                |

## FAMILY MEMBERS

- |                                   |                                   |                             |
|-----------------------------------|-----------------------------------|-----------------------------|
| Jim & Rita Ammons, Yuma           | Brian George, Scottsdale          | Cam & Kitty Smith, Prescott |
| Robin & Billie Bechtel, Show Low  | David Justice, Prescott           | Barry Sopher, Tucson        |
| Bruce & Vicki Belman, Flagstaff   | Kathi & Mark Nixon, Phoenix       | Michael Tindle, Mesa        |
| Richard & Julia Chabak, Glendale  | Amy & Stephen Ostwinkle, Chandler | Sean Wilson, Tempe          |
| Ken & Kathy Cook, Casa Grande     | Brad & Dana Remfrey, Gilbert      | Steven Wilson, Chandler     |
| Paul & Joann Delaney, Flagstaff   | Daniel Robinett, Elgin            | Jim Wood, Glendale          |
| Ron & Sharon Eichelberger, Alpine | David & Debra Scott, Surprise     |                             |
| Chad & Andrea Elliott, Ehrenberg  | James Sivley, Scottsdale          |                             |
| Mike Gauman, Queen Creek          | William & Jan Skibbe, Tucson      |                             |

**PLEASE RENEW YOUR MEMBERSHIP TODAY!**

**WELCOME NEW LIFE MEMBERS:  
WILLIAM CULLINS, CHANDLER  
NEAL ROBERT BUSHONG, YUMA**



Two fine organizations - One Great Night!



# Fundraising Banquet

Saturday May 2, 2015

Wild Horse Pass Hotel and Casino

5040 Wild Horse Pass Blvd.

Chandler, AZ 85226

Waterhole 4:00 PM - Free Beer

Dinner 6:00 PM



**Live & Silent Auctions  
Buckets of Opportunities  
Lots of Hunts, Trips and  
Outdoor Gear**

***Auction of State of Arizona Special Tags  
for Antelope, Whitetail, & Mule Deer***



**Don't miss this event!**

**Come on out for a fun evening and  
support conservation  
efforts for antelope and deer**

***Tickets must be purchased in advance and are available online at our website.***

The annual fundraising banquet is our primary source of funds. It has been said that an act of conservation can never be made too early for we never know when it is too late. It is with this principle and sense of urgency that we move forward. But we cannot do it alone. Please support our fundraising efforts with your attendance and donations!

**For more information see our  
website**

**[www.azantelope.org](http://www.azantelope.org)  
or call 602-361-6478**



# AAF & ADA Joint Banquet

## May 2, 2015

If you attended one of our previous banquets, you and your friends made those events the most successful fundraising events ever held to benefit Arizona Antelope! Funds raised enable the Foundation to invest in many projects and activities to benefit antelope. This joint event promises to be another fun-filled event!

Back by popular demand is our **\$1 Poor Man's Rifle** which will be **drawn at our annual Hunter Information Clinic on June 13th**. This firearm is an **AR 15 Bushmaster Carbon Rifle** 223 cal with **Vortex Diamondback HP 3 x 12 x 42 BDC Scope**.

**New this year, we are selling tickets for a special raffle that will benefit our fawn recruitment project in southeast Arizona. The lucky winner will receive a 3-piece John Toner Skinning Knife Set. Tickets are \$1 and will also be drawn at our annual Hunter Information Clinic on June 13th.**

Tickets can be purchased online from our website [www.azantelope.org](http://www.azantelope.org) or by completing the form below.

We are also in need of donations of all types: art, jewelry, hunting, fishing and camping gear, new or gently used silent auction items, trips, gift cards. Please contact us at 602-361-6478 or [info@azantelope.org](mailto:info@azantelope.org) and we will make arrangements to get them!

### Order Form

Individual Dinner Tickets..... Number \_\_\_\_\_ x \$75 = \$ \_\_\_\_\_

Table for 10 .....Number \_\_\_\_\_ x \$850 = \$ \_\_\_\_\_  
 (Includes \$200 in "Buckets of Opportunities" tickets)

Name on Reserved Table \_\_\_\_\_

AR Tickets ..... Number \_\_\_\_\_ x \$1 = \$ \_\_\_\_\_

Toner Skinner Tickets ..... Number \_\_\_\_\_ x \$1 = \$ \_\_\_\_\_

Cash Donation \* ..... = \$ \_\_\_\_\_

\* The AAF is a 501(c)(3) organization and donations are tax deductible to the extent allowed by IRS

**TOTAL PURCHASE = \$ \_\_\_\_\_**

#### Method of Payment

Check payable to AAF     Visa     Mastercard     Discover

Card # \_\_\_\_\_

Expiration Month \_\_\_\_\_ Year \_\_\_\_\_ 3-dig security code \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_ Cell Phone \_\_\_\_\_ Work Phone \_\_\_\_\_

Mail to AZ Antelope Foundation ♦ PO Box 12590 ♦ Glendale, AZ 85318-2590



ARIZONA ANTELOPE FOUNDATION

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GLENDALE, AZ 85318

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PERMIT NO. 318

ADDRESS SERVICE REQUESTED

**NOT A MEMBER? JOIN TODAY!**

Join (or renew) now and help the Arizona Antelope Foundation in its efforts to fund and provide the manpower necessary to finance pronghorn research, enhance and improve pronghorn habitat, encourage and assist in pronghorn transplants to historic habitat, and replenish existing herds. Your commitment will not only ensure that you will continue to be able to enjoy one of Arizona's most magnificent animals, it will also ensure that your children and your children's children will have the opportunity to be able to enjoy pronghorn.

Contributions to the Foundation are tax deductible, as the Foundation is a 501(c)(3) organization.

Complete the form below and send with your payment to our mailing address. You can also join/renew online with your credit card. It's easy to do. Just visit the Membership page on our website, [www.azantelope.org](http://www.azantelope.org)

----- ✂ ----- ✂ -----

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

- Regular Membership.....\$ 40.00 Per Yr.
- Family Membership.....\$ 60.00 Per Yr.
- Sustaining Membership.....\$ 100.00 Per Yr.
- Life Membership
  - Age 59 and **YOUNGER**.....\$1000.00
  - Age 60-66.....\$ 750.00
  - Age 67 and **OLDER**.....\$ 500.00

New Member       Renewal

<b>Method of Payment:</b> <input type="checkbox"/> Cash <input type="checkbox"/> Check	
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Credit Card # _____	
Expiration _____	3-digit Security Code _____
Signature _____	