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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.



ON OUR COVER

Eagle Scout candidate Luke Horton trimming the new "stay" with help from his grandmother, Gillian Horton, measuring. Photo courtesy of the Horton family.

AGFD's Access Program Coordinator Troy Christensen: "At the Department's annual Volunteer Appreciation Event in December, Boy Scout Troop 80 will be receiving an award in recognition of their long-term participation in the Adopt-A-Ranch Program. This scout troop has been doing annual projects on a ranch near Kearney for 14 years. During my tenure alone, 51 Boy Scouts have organized wildlife habitat improvement projects as part of the requirements to earn their Eagle Scout Rank. "See page 8

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: Lenée Landis, Pronghorn Editor, PO Box 19420, Fountain Hills, AZ 85269 or by email at info@azantelope.org.

PRESIDENT'S MESSAGE

Hi, I hope you enjoy our latest Pronghorn. It's fall and I also hope everyone is out enjoying the outdoors and getting in some hunting. It appears we have had a successful Antelope season here in Arizona. With our last project on Allen Flats we have brought to a conclusion our Grasslands landscape grant for Southeastern Arizona. We were able to get about 4 miles of fence modification completed and a big Thank You to Warbonnet ranch for hosting our camp. We had a good Southeastern survey indicating good fawn numbers including some around our recent transplant animals. From our GIS data it seems we are getting good movement among residents and the new arrivals. We will now be moving up North for a more intensive process to connect habitat for the pronghorn there.

On the subject of projects, a reminder that come January we plan on returning to Vekol Valley for more fence removal helping out our Sonoran Antelope, so keep an eye out for the announcement. Remember this area is now part of the Sonoran Desert National Monument and cattle have been removed. The current BLM biologist Mike Daehler is looking at removing about 52 miles of fencing to help Antelope and Mule Deer. He is also looking at putting up solar pumps to activate waters out in the area. We recently had a return of \$35,000 to our portion of HPC funding due to a non- expenditure. This should put us in good shape for project funding in this year's meeting.

Just a reminder, we have a lot of issues confronting all of us as outdoors folks and conservationists. These range from feral horse and burro herds to anti hunters and environmentalists who come down on the side of humans being the problem rather than part of Nature. We also need to contend with State and Federal agencies who have certain mandates such as reviewing access and travel through their areas of responsibility. Something happening in Wyoming may have an affect in Arizona and vice versa. While you may not have the time for all national or Western issues, try to keep up with your local area and favorite hunting/fishing place. Everything has a comment period and face to face meetings. Try to get your two cents in, but be respectful. We believe in the science and biological management of species and land, not the emotional.



I hope everyone has been keeping up with our Raffles as we work to improve them. Remember we use any money made for Foundation expenses and supplementing project expenditures. Talking of raising money, our Special tag at the Wild Sheep foundation will probably move to a different night and we are going to attempt to put together a 30 to 60 second clip to help with promotion. I am going to close for now. Remember Monthly board meetings 2nd Monday of each month except December - come by! We can always use another opinion or suggestion. Remember we have our Fundraiser in June of each year. Thanks again for all you do.

Ken Meadors

President

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

SONOITA PLAINS JULY 6TH & ALLEN FLAT JULY 7TH PRONGHORN FAWN SATURATION SURVEYS

By GLEN DICKENS, VP/GRANTS/PROJECTS MGR.



On Saturday July 6, 2019 Arizona Game and Fish Department (AGFD) personnel led by Regional Game Specialist Rana Tucker and District Wildlife Manager Brittney Oleson with volunteers from the Arizona Antelope Foundation conducted our 7th annual Sonoita Plains pronghorn fawn "Saturation" survey. This entails stationing as many separate observers as possible across all the occupied pronghorn habitat in a game management unit from the crack of dawn until 10AM and observing and classifying all of pronghorn observed and their exact locations. This time of year is when pronghorn does are at are at their peak of fawning/nursery herd activity. The usual AGFD aerial pronghorn survey is conducted in the month of August statewide so this ground survey is in addition to the normal pronghorn survey schedule.

This survey included both game management units 34A and B, east and west of Highway 83 and north of Highway 82 and 35A/B north south of Highway 82. We had bluebird weather that morning and had good road conditions throughout the survey zone. We counted 274; 84 bucks, 130 does and 57 fawns for a 44% fawning success rate. Last year we had a 14% fawn success rate. At least two factors likely account for the higher number of fawns, those being higher winter moisture January-April, thus fawn weights are up at their April/May birth decreasing an early post-parturition death, and one year of ground coyote control.

Last year's survey netted 168 (low count due to rainy weather and impassible roads), we counted 243 in 2017 observations and we hit 316 during the 2016 survey. We continue to document pronghorn dispersals with,

young pronghorn singles and small groups being observed three, five and eight miles from all points of the compass from what was previously considered core habitat. This is very positive data

In addition to the above population numbers, the AGFD July flight survey for 35A/B South the San Rafael Valley counted an additional 52 animals (with just 5 fawns counted for a 17% fawn success in this subpopulation). This herd area had just 9 pronghorn, 1 buck, and 8 does in January of 2014 when the AGFD released 17 New Mexico transplant animals. Last year the survey found 61 animals and 44 were counted in 2017, we are very pleased to see this continued recruitment in this sub-population.



Camp was located at the historic Rose Tree Ranch corrals and stone bunkhouse near Elgin. Thanks to Bill Brake and Al Wilcox, the ranch owners, for hosting us yet again. Dinner was pulled pork served by yours truly and spouse and resident photographer Betty Dickens.

We had three hunters who drew tags to hunt pronghorn in the area assisting

us. After our survey we all gathered at a local Sonoita restaurant for lunch and then headed off as a group to Willcox and the base camp at the Days Inn to conduct the following day's Allen Flat survey.

Thanks go to all the following AGFD partners and volunteers who contributed to the success of this survey; -Representing the AAF Board: Dave Laird, Ken Meadors, Connie Taylor, Gary Boyer, John Millican, and yours truly.

-Representing the AGFD: Brad Fulk, Brittney Oleson, Rana Tucker, Karen Kilma, Noah Silva, Ken Pitzlin, and Spud Hester.

-Other volunteers included; Warren Adams, Steve Tritz, Betty Dickens, Dave Cruce, Mike Ebright, Darrell & Kolin Tersey, Brian Hamm, Jacob & Jason Bowden, Fritz Sawyer, and Roy Hester.

On Sunday July 7, 2019, 12 folks from the Arizona Game and Fish Department (AGFD) personnel led by Regional Game Specialist Rana Tucker and AAF Field Manager John Millican, with volunteers from the Arizona Antelope Foundation conducted our second annual Allen Flat pronghorn fawn "Saturation" survey. Allen Flat is located about 15 miles northwest of Wilcox in unit GM Unit 32. We netted 32 pronghorn that morning with a 39% fawn success.

(Continued on page 6)

Dale Maas captured this fawn, doe, and buck during the 2019 Ground Survey



During the August aerial AGFD survey they recorded a record 70 animals; 14 bucks, 39 does, and 17 fawns for a 44% fawn success. This area had just 24 pronghorn 3 years ago and received a supplemental transplant of 13 additional animals in January of 2019 from the Prescott Valley. In addition Allen Flat had active coyote removal for the three years of 2016-18.

Our "camp" was located at the Wilcox Day's Inn and our thanks go to all the following AGFD partners and volunteers who contributed to the success of this survey;



Representing the AAF Board: Ken Meadors, Gary Boyer, John Millican and yours truly.

-Representing the AGFD: Rana Tucker, Mike Richens, Devin Skinner and Spud Hester.

-Other volunteers included; Warren Adams, Ron Day, Roy Hester, Steve Tritz, Betty Dickens, Anne-Laver Blanche and Dale Maas.

Betty Dickens glassing. Photo by Dale Maas



Photo by Rana Tucker

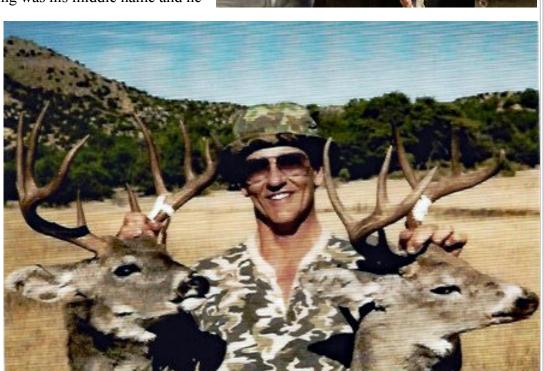
Thanks to the AGFD for continuing/ allowing this "civilian conservationist" effort. We look forward to continuing this separate monitoring effort in future years.

IN MEMORIAM

Robin W. Bechtel, Life Member

It was with deep regret we learned of Robin Bechtel's passing at his Show Low home on an early Thursday morning January 31, 2019. Robin was a life-long supporter of the Az Antelope Foundation and a frequent donator to our annual fundraising banquet. He and his wife Billie were married for 51 years and became the AAF's Life Members numbers 76 and 77 respectively in 2018. You never took a phone call from Robin or had a conversation with him when he did not state; "I love the 'lopes, and the AAF is the only organization in the west looking out for them". An Arizona native, Robin served in Vietnam and retired from a successful public service career with both the City of Scottsdale and Scottsdale Unified School District. One could say Hunting was his middle name and he

took trophy animals in nearly all, if not all, the western states. Pick up the latest issue of the Arizona Trophy Book and his name is scattered liberally throughout. Robin and his infectious smile and enthusiasm for Arizona's wildlife will be missed!



For the record-Robin Bechtel

James P. "Jimmy" Mehen, Life member, Treasurer 2005-2007, Past President 2009

James P. "Jimmy" Mehen passed away peacefully in his home in Flagstaff, AZ December 6, 2018. Jimmy was a devoted husband and father. He graduated from Brophy College Prep and the University of Arizona. He served in the USAF for six years. He was a CPA, land developer, general contractor, and a mortgage broker. Jimmy became a member of Arizona Antelope Foundation in 1996. He became a life member in 2003 and contributed greatly to the organization. He always had a smile on his face and had the ability to make you feel like the most important person in the room. He is greatly missed.

EAGLE SCOUT CANDIDATE PROJECT BY: LUKE HORTON,

EAGLE SCOUT CANDIDATE, BOY SCOUT TROOP #609 OUT OF ANTHEM, AZ.

On Saturday May 18th, 2019 I had the opportunity to complete a fence modification project near Sonoita, AZ. Earlier in the year I was closing in on completing my Eagle Scout award for the Boy Scouts of America and needed to complete a community service project. In February my older brother, Chance Horton completed a fence removal project in Maricopa County. He partnered with the BLM and the Arizona Game and Fish Department to remove an obsolete section of barbed-wire fencing. His project has made a difference to the wildlife in that area and that was my goal too. I met with Troy Christensen at Chance's project and he approached me with another project that needed to be done. This project was similar, but instead of a fence removal project, my project was to modify a section of fencing specifically to benefit the area's pronghorn antelope population.

The population of the Arizona pronghorn antelope is something the Arizona Antelope Foundation has been trying to increase for about 12 years. These animals are under constant threat by coyotes, who have learned over time how to effectively stalk and attack the pronghorn fawning areas. When evading predators and migrating between designated areas, the pronghorn instinctively prefer to crawl under fences rather than jump over them. Many of these fences contain barbed-wire on the lowest strand, creating a serious hazard for the pronghorn. This hazard can trap or harm the pronghorn, exposing them to infections and disease.

The fence modification was pretty straight forward. By removing the bottom barbed-wire and replacing it with a smooth wire slightly higher off the ground (about 18 inches), it gives the pronghorn a reasonable chance to move from one area to another safely. Over the past 12 years the Arizona Antelope Foundation has been supporting types of projects and they continue to make a difference to the growing pronghorn population in SE Arizona.



Additional volunteers are always welcomed. Organized groups or individuals who would like to get involved can contact the AGFD Access Program Coordinator at tchristensen@azgfd.gov or 623-236-7492.

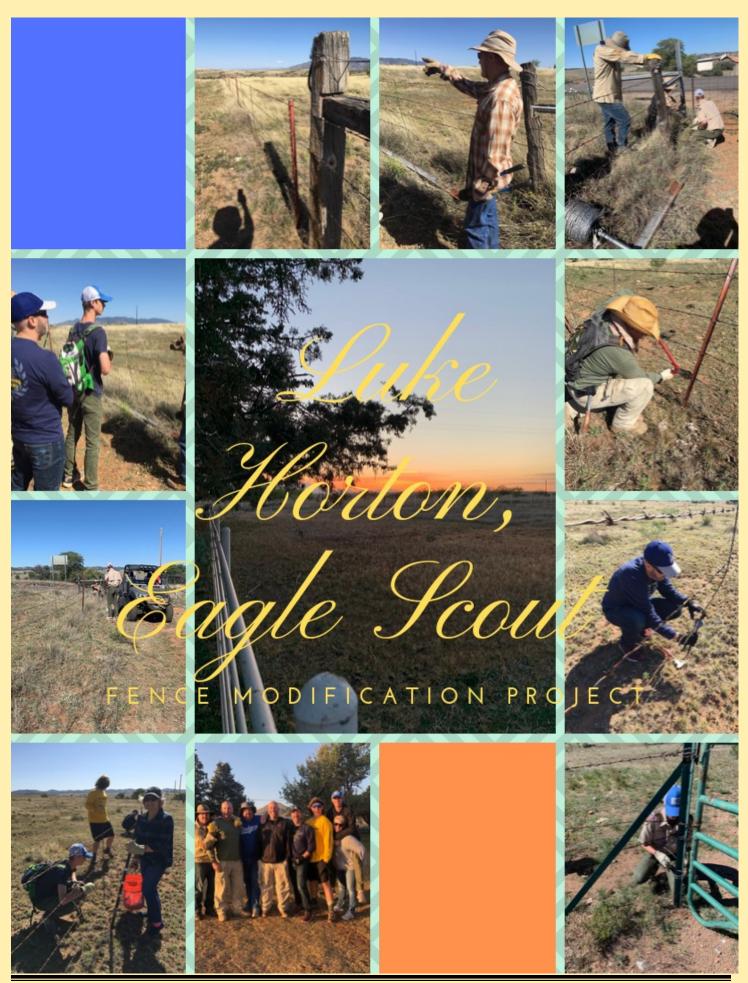
On the day of my project I set a goal to get one mile of fence modified. Throughout the day, my army of approximately 18 volunteers worked extremely hard and we were able to get 1.5 miles modified. 1.5 miles of fencing might not seem like a lot, but I am confident that the pronghorn in the area will benefit and that is what is important.

I would like to give a big "thank you" to all the volunteers, the Arizona Game and Fish Department, the Arizona Antelope Foundation, and to my troop and family. All of these people made my project a success, and I hope the public values and supports the growing pronghorn population in the area. With our help, we can continue to help them thrive in Arizona!

Photo: Luke's family showed up!

Luke's crew: Luke Horton, Timothy Horton, Ried Horton, Jared Horton, Scott Horton, Brad Horton, Gillian Horton, Chance Horton, Apryl Horton, Rich Lucas, Eric Lucas, Luke Smith, Will Doret, CJ Dent, John Millican, Mike Ebright, Isacc Timmerman, Rick mmerman

Thanks family & friends!



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GARLAND PRAIRIE FENCE REMOVAL PROJECT AUGUST 10, 2019

BY GARY BOYER, AAF BOARD OF DIRECTORS

The weekend of August 10th and 11th marked the fourth AAF work project of 2019 and the beginning of a new project site for the Arizona Antelope Foundation (AAF). The area known as the Garland Prairie, south of I-40 and between Williams and Flagstaff, is the site for several future fence removal and modification work projects. Garland Prairie is roughly 14,000 acres, the pronghorn spend summer and fall there and other high elevation meadows before migrating up to 60 miles south along I-40 and down SR 89 to Prescott or Jerome. Some animals stay around Wagon Tire or Drake.

AAF is coordinating with AGFD (Arizona Game and Fish Dept), Kaibab and Coconino NF (National Forest) personnel to develop projects to remove or modify existing fences to facilitate the Pronghorn migration routes from winter to summer ranges. Using data collected from radio collared Pronghorn,



Jeff Gagnon gives data briefing, article photos by Kenny Cook

existing routes are identified then plotted. This data is used to identify obstructions in the animal's routes. Other species in the area, elk and mule deer, also benefit from this activity. Pronghorn prefer going under fences and only in extreme cases do they attempt to jump fences. AAF modifies fencing by removing the bottom strand of barbwire and replacing it with smooth wire 18" above the ground, or in the case of this first project, complete removal.

Ramrodding this project were: Jeff Gagnon, AGFD Statewide Biologist; Scott Sprague, AGFD Biologist; Roger Joos, Coconino NF Biologist; Travis Largent, Kaibab NF Biologist. Also assisting were Troy Christensen, AGFD; Colin Beach, AGFD; Sarah Bearman, AGFD; and Mike Ebright, AGFD.

Early arrivals on Friday at the basecamp, located on the west side of Garland Prairie, were treated to a dinner of pulled pork, baked beans and coleslaw, many thanks to our camp cooks, Bill and Mary Keebler. After dinner and evening around the campfire, folks turned in.

Saturday morning, after 14 large pots of coffee and a continental breakfast, at eight a.m. 80 volunteers gathered for an orientation talk by Jeff Gagnon. Jeff gave a brief history of why, how and what we were going to accomplish that day. Volunteers broke up into four groups. Each crew had a wire roller mounted on ATVs, post pullers and hand tools. Then the crews headed out to their work areas, several close to camp and another 2 mile stretch of fence about 12 miles distant. Thanks to our team leaders, Travis, Roger, Scott and Jeff's guidance, by early afternoon crews had removed over 3 ½ miles of fence, some of it more than 100 years old. Also removed was about 120 yards of old sheep fence. Fence posts, both wooden and steel T-posts, had been gathered and stockpiled along with countless spools of old wire destined for the recycler. The ranchers take the T-posts for reuse.



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Given the efficient, energetic group of people involved, the rest of the afternoon was spent "lopping" or cutting down young Ponderosa pines, cedars and other brush encroaching on a corridor that had been cleared 5 years earlier. Keeping this area open, and as grassland, is important as a migration route for the Pronghorn. Pronghorn need open grassland as their eyesight and speed are their only defenses against predation. Congratulations are in order for that crew as they cleared an astounding 130 acres that afternoon. Well done, especially after all the fence work, and on a very warm day.

Back at camp, our cook crew, Mary and Bill, assisted by Connie Leadabrand, were serving up their famous Quesadillas, salsas, etc. to snack on while dinner was being prepared. Bill's Tri-Tip, Mary's Scalloped Potatoes and a huge green salad were served. We always have a great meal, followed by sitting around the campfire telling stories. Some true, worn out folks, myself included, headed for bed. Sunday morning we enjoyed Mary's delicious breakfast burritos while everyone broke camp. By 9 a.m. the forest returned to normal as almost everyone headed for home.



Many thanks to all the volunteers. Know that each and every one of you contributed to the success of this project. The following people volunteered their weekend: Jason Angell, Kim Berrier, Jordan Bingham and guest, Kathy Cook, Cindy and Jim Dickert, Baily Dilgard, Rich Fram, Jeff Gagnon and family, Eric and Sandra Friend, Kaitlin Haase, Meaghan Hall, Michael Handforth, Bob and Marilyn Hanlin, Kieth Heimes, Danny Hensley, Louis Horvath, Johnny Johnson, Devin Johnson, Gerard Keller, Kent Krumm, Jav and Connie Leadabrand, Brad Lough, Charles Mackey and Janet Hall, Olivia Macowski, Ryan Masayesva, Sue Moeller, Kenneth Morris, Cookie Nicoson, Mark and Kathy Nixon, Lucas Olson, Bill Orman and

guest, Michele Richman, Kim Stiner, and guest, Chuck Stocksdale, Larry Thowe, Steve Tritz, Cole Woher, Jamie and Thomas Watkins, David Wolf, Darrel Wood, and James Yost. We apologize to anyone who was inadvertently left off the list.

As our regular photographer, Betty Dickens, was attending to our VP, Glen Dickens, who is recovering from heart surgery, Kenny Cook took over photography duties. Also assisting with photos was long time Board and contributing member Richard Ockenfels.

Representing the AAF Board: Ken Meadors, Joe Bill Pickrell, Al and Marsha Sue, Terry Schupp, Gary Boyer, Kara Jensen, and Robert Velasco.





S_{ONORAN} P_{RONGHORN}

UPDATE



FIGURES AND PHOTOS BY JILL BRIGHT AZ GAME & FISH JULY 2019

NORTH HALF		SOUTH HALF	
Adult Females	9	Adult Females	18
Yearling Females (b 2018)	6	Yearling Females (b 2018)	5
Adult Males	4	Adult Males	6
Yearling Males (b 2018)	7	Yearling Males (b 2018)	5
Fawns (b 2019)	14	Fawns (b 2019)	25
Total	40	Total	59
Total Pen	99		

Here are updated statistics for the captive breeding in the Cabeza Pen at left, and Kofa Pen on the right, as well as a stunning photo reminder of the importance of this program. The regular update will be available here next issue.

Adult Females	17
Yearling Females (b 2018)	5
Adult Males	2
Yearling Males (b 2018)	1
Fawns (b 2019)	17
Total	42

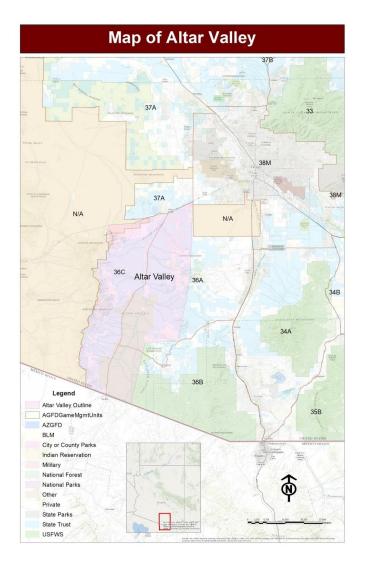


ALTAR VALLEY PRONGHORN AND THEIR HABITAT: A STATUS UPDATE

BY AZGFD BIOLOGISTS KAREN KLIMA, RANA TUCKER, AND SARAH GANDARIA

alph Pumpelly recorded "great herds of bounding antelope"in the Altar Valley in 1861. In ■1942, Manuel King, whose family has operated the Anvil Ranch since 1885, remarked that the valley was once a vast grassland from "mountain slope to mountain slope with only the occasional tree", and reported last seeing pronghorn in the Altar Valley (Figure 1) in 1933. There is little doubt this great valley once supported large numbers of pronghorn. The Arizona Game and Fish Department (Department) recognized this and conducted translocations to Altar Valley in 1945. In 1959, the only legal hunt in the Altar Valley was conducted since the statewide closure in 1913. Ten permits were issued that year, and of the nine hunters who made it afield, two harvested pronghorn. That hunt was closed the next year and remains closed today. The Department attempted to boost the population again in 1987 and 2000, with minimal success.

Today, the pronghorn population in Altar Valley is struggling. Annual surveys conducted by the Department indicate a downward trend and the population is currently estimated to be fewer than 15 individuals (Figure 2, facing page). Many factors contribute to this decline including: long term mesquite encroachment, travel corridor restrictions, predation, water availability and long term drought. The Department would like to return focus to this herd, and has recently renewed efforts with the Buenos Aires National Wildlife Refuge (BANWR) and neighboring ranches to implement habitat improvement projects that will benefit the pronghorn in this valley, and make it possible to once again grow the population.



HABITAT DESCRIPTION

The Altar Valley is characterized by relatively flat uplands cut by sandy washes, with some undulating to low, rolling hills extending from the mountains that surround most of the valley. It is part of the Southern Arizona Semi-desert Grasslands, a Major Land Resource Area (MLRA) defined by the Natural Resources Conservation Service as those areas between 3,200 and 5,000 feet, receiving 12-16" of precipitation each year, with deep alluvium soils washed in from the adjacent mountains. The northern portions of the valley fall into the Upper Sonoran MLRA, which is slightly lower in elevation, and receives less precipitation (10-13" per year). Historically, vegetative cover would have been primarily grasslands, with a small component of shrub and tree cover, particularly in drainages. Changing climatic conditions and past use patterns have allowed mesquite to encroach onto much of the uplands, with over half of the total area exhibiting between 10-35% shrub cover, and nearly 20% of the area exhibiting more than 35% shrub cover, which is considered the threshold for

change from a grassland to a shrubland ecotype. Development is minimal to moderate, with scattered residences, low to moderate-use dirt roads, and numerous primitive campsites. Water source abundance and availability is moderate and has been improving.

Because it contains some of the last remaining intact grasslands in the Altar Valley, BANWR provides crucial habitat for grassland-obligate species, such as pronghorn antelope, scaled quail, and

90 70- Surveyed Antelope Numbers 1987-2015 60-50-40-30-20-10-

Figure 2—Survey trend of antelope in 36A and B

masked bobwhite quail. BANWR staff and the Department have conducted habitat treatments to maintain and restore grasslands in support of these species (Figures 3 and 4).

Figure 3: Before brush management, May 1, 2017

HABITAT IMPROVEMENTS

Since the acquisition of the refuge property in 1985, BANWR has taken several steps toward restoring grasslands there. In 1988, a prescribed fire program was designed, and burns initiated, in an effort to restore the historical role of fire in the grasslands. The intent of this program is to restore native grasses, reduce the density of woody species, and to improve habitat for wildlife. From 1988 through 2000, BANWR used cool season burns (February, March, and April) during which 10,000 to 20,000 acres were burned each year. In 2001, the refuge shifted to summer burns in May and June with the hopes of having more effect on the mesquite. This coincides

with the timing of natural monsoon lightning fires and the historical fire season.

Then, with finances acquired from former President Obama's Stimulus Fund, BANWR was able to focus on other types of habitat restoration, including brush management, earthwork, and water developments. The refuge began a program of aerating soils in 2005, and has treated over 950 acres using this method. From 2010 to 2011, the refuge created 37 mottes (small living brush piles) and 20 large brush piles, revegetated 7 acres with native grasses, and removed mesquites in three different areas on the refuge for a total of 1,999 acres in March of 2010 (mesquites were



excavated and sprayed for re-sprouts). The refuge also used a chainsaw and herbicide to clear an additional 200 acres of mesquites. In addition, since 2015, the Friends of BANWR volunteer group has removed 180 of 200 miles of internal fence.

BANWR also removed silt and shored up berms as well as improved settling ponds and diversion dams of 12 earthen tanks in 2010. However, these tanks are rainfall dependent, and with rainfall being inconsistent by nature, providing consistent, year-round water sources becomes vital for the health of wildlife populations. In 2013, to address this concern, the Department installed five drinkers at existing wells on the refuge. These wells have storage tanks from 5,000-10,000 gallons, allowing for year-round water availability at these sources.

More recently, the Department has ramped up efforts to collaborate with BANWR in their brush removal efforts. In 2016, the Department signed a Crew Use Agreement with the Arizona Department of Forestry and Fire Management (ADFFM) to complete a brush management project on BANWR using Department of Correction inmate labor, contracted by the ADFFM. This project area, labeled A, B, and C (Figure 5), was selected because not only is it a transition north from the 1180-acre Borrego South unit, and 1680 acre Snake unit, which have had some of the most intense clearing and burning on the refuge, it is also adjacent to the 575-acre Triangle unit, which has been more recently cleared. This project resulted in treatment of over 900 acres of grassland habitat, and is now being utilized by pronghorn that formerly would not have crossed into the mesquite-encroached area.

Adjacent to the Refuge, in 2018, the Santa Margarita Ranch embarked on a project that will result in the reduction of mesquite on over 800 acres (Figure 6). The first phase of this project funded through the Department, the Habitat Partnership Committee, Partners for Fish and Wildlife, and the rancher, initially proposed reducing the density of mesquite on 282 acres, starting in the end of the pasture closest to the restoration efforts on BANWR, but ended up totaling 386 acres of treated habitat. Once this project is complete, there will be approximately 4,635 acres of cleared and treated habitat on, or adjacent to, the Refuge for

BANWR Brush Mgmt Project Map

Retuge Ho

Retuge Ho

B

Eigure 5: Shows the location of the planned work on BANWR. Unit "A", over 600 acres, was completed in February 2017

Major Road

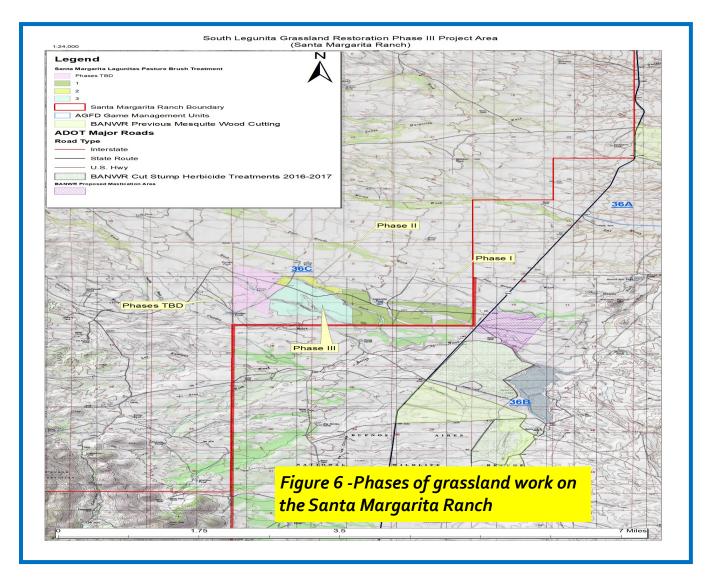
Local Road

In addition to these acres which have been treated, or are ready to treat, 8,229 acres on the Refuge have been surveyed for cultural resources, which is a costly but necessary step in obtaining approval from other stakeholders to mechanically remove trees from the landscape. The Arizona Department of Environmental Ouality has committed half of the funding to treat 322 of these acres by masticating (grinding) trees and applying herbicide to stumps or regrowth, once a 50% cost share match is obtained

pronghorn.

In summary, restoration work is underway in Altar Valley to the tune of thousands of acres treated and in progress. This is a positive step forward for species management and restoration of grassland species in the area.

To get more information on BANWR, please visit their webpage at https://www.fws.gov/refuge/buenos aires/



From 2008-2018

BANWR acres cleared - 4,635

BANWR acres aerated - 952.2

Number of permanent waters added to BANWR - 5

Additional BANWR acres surveyed for cultural resources - 8,229

Santa Margarita Ranch acres cleared - 386

Neighboring ranch acres surveyed for cultural resources - 1,300

MEMBERSHIP

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- 46. Jessica R. Pearce, Scottsdale
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- 48. Karen LaFrance, Phoenix
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- 50. Walt Scrimgeour
- 51. Clifford Nystrom
- 52. Jon Coppa, Patagonia 53. Neal Brown, Phoenix
- 54. Tice Supplee, Phoenix
- 55. Richard Miller, Flagstaff
- 56. William Cullins, Chandler

- 57. Robert Neal Bushong, Yuma
- 58. Art & Rosanne Porter
- 59. Matt McNeil, Chandler
- 60. Susan Morse, Jericho VT
- 61. Gary Higby, Cottonwood
- 62. James Kavanaugh, Gilbert
- 63. Chad Elliott, Ehrenberg
- 64. Donald C. Slack, Tucson
- 65. Keith A. Heimes, Bellemont
- 66. Jon & Jan Hopkins, Mesa
- 67. Jim Lawrence, Phoenix
- 68. Larry Audsley, Tucson
- 69. Mike Morales, Tucson
- 70. Gary Boyer, Prescott
- 71. Charles Mackey, Cottonwood
- 72. Dave Laird, Buckeye
- 73. Alan Calvert, Buckeye
- 74. Lani Beach, Prescott
- 75. Terry Lane, Jasper Lehi, UT
- 76. Robin Bechtel, Show Low
- 77. Billie Bechtel, Show Low
- 78. Betty Dickens, Tucson
- 79. Larry Thowe, Page
- 80. Cam Smith, Prescott
- 81. Russell Lee Jacoby, Flagstaff
- 82. Andrew Smigielski, Phoenix
- 83. Will I Garroutte Jr., Aptos, CA

SUSTAINING MEMBERS

Joelle Buffa, Sierra Vista James Clayton, Chino Valley William C. Cordasco, Flagstaff Linda Dightmon, Peoria Michael A. Domanico, Scottsdale Bonnie Evenson, Tucson

Gary Evenson, Tucson Randy Gaskill, Show Low Roger & Ilene Hailey, Flagstaff David S. Justice, Prescott Steven McNamara, Chino Valley Keith Newlon, Sierra Vista

Richard A. Ockenfels, Mayer C Edward Perkins, Happy Jack Bob & Judy Prosser, Winslow Jay Starks, Phoenix David L. Wolf, Flagstaff Darrel E. Wood, Marana

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Jim & Rita Ammons, Yuma Bruce & Vickie Belman, Flagstaff Jason Lawrence Bowden, Tucson Dino & Pam Cerchie, Mesa Dave M. Conrad, Buckeye Ken & Kathy Cook, Casa Grande Mary DeJong, Flagstaff Cindy & Jim Dickert, Mesa Ron & Sharon Eichelberger, Alpine David T. Frampton, Mesa

Patrick T. Frawley, Chandler Jeff Gagnon, Camp Verde Dave & Gloria Hutchinson, Prescott Vly Jay Leadabrand, Williams Quentin Lewton, Sonoita Thomas R. McDaniel, Phoenix Kenneth Morris, Cave Creek Mark & Kathi Nixon, Williams Amy B. Ostwinkle, Chandler Dee Phan, Glendale

Ken and Donna Pitzlin, Sierra Vista Pete & Ann Rathwell, Phoenix Daniel G. Robinett, Elgin William & Jan Skibbe, Tucson Barry R. Sopher, Tucson Christopher & Jolene Vallejos, Flagstaff Jamie & Thomas Watkins, Phoenix Charles Wilmer, Phoenix Dave M. Conrad, Buckeye

WELCOME TO NEW MEMBERS

Dave M. Conrad, Buckeye Sean Donovan, Half Moon Bay, CA Mike Ebright, Sonoita Michael Handforth, Parks

Jan Hollenbeck, Chino Valley Carl Howard, Benson Alice Koch, Templeton, CA Jared Peterson, Peoria

Travis Roberts, Mesa Fritz Sawyer, Sonoita Erik Swanson, Phoenix Emma VanPelt, Phoenix



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Photo by Betty Dickens during fawn survey.

You are invited to support the pronghorn, ensuring they roam free, by signing up as a volunteer and by supporting those who support us in getting the job done.

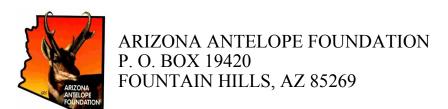
If you're not a member, check us out at azantelope.org and join us! If you are a member, take a look at the back cover and see the list of candidates for the board

GREETINGS!



It is so exciting to see the ranks of the volunteers grow—this massive job takes people who care to pull it off. Also, note above the generous sponsors who support this effort by donating prizes for the raffle. You can check out new raffles at AZantelope.org—the best method is being notified by email!

Thank you for your support of the Arizona Antelope Foundation. Best to you, Lenée SAVE THE
DATE!
JUNE 13th, 2020
AAF CLINIC &
BANQUET AT
EMBASSY
SUITES IN
TEMPE



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ANNUAL MEETING-CAST YOUR VOTE!

NOVEMBER 11, 2019 6:30 PM

Bass Pro, 1133 N. Dobson Rd., Mesa, AZ 85201

We hope to see you at the meeting! Members in good standing may cast your vote for the 2020 Officers and Directors. Each Individual, Sustaining, or Life Member, or Family as a whole, is entitled to one vote for each item if current with their dues. Members unable to attend may use the form below to vote by mail.

Mail Ballot—AZ Antelope Foundation ♦ Attn: Elections ♦ PO Box 19420 ♦ Fountain Hills, AZ 85269					
Mark an X next to the candidate(s) you wish to vote for below.					