



# PRONGHORN

*4th Quarter 2020*  
*Volume 26 Number 4*



# ARIZONA ANTELOPE FOUNDATION, INC.

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## IN THIS ISSUE

Page 3	President's Message
Page 4-6	Wildlife Waters—Arizona Drought & Partnerships
Page 7	Vekol Valley AAF, BLM, USFWS, AZGFD
Page 9	Sonoran Pronghorn Release Pen Construction Project
Page 10-11	Unit 18A Fence Replacement Project
Page 12-14	San Rafael Herd Zone
Page 15-17	San Rafael Maps , Photo
Page 18	Sonoran Pronghorn Update
Page 19	Membership
	Thank You to Our Supporters

### 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

This photo by AZGFD's trail cam illustrates the point of Jill Bright's Sonoran Pronghorn article on page 15 as well as Glen Dickens' article, page 7 on the current status of water in Arizona this year.

*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](mailto:info@azantelope.org).*

## PRESIDENT'S MESSAGE

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Welcome to the first Pronghorn for the year. Hope everyone had a good fall with your outdoor activities.

Water, water, water, it's everywhere in the ocean and not a drop to drink. It's lacking in the state, bordering on the same thing. As everyone who lives in Arizona knows, we are experiencing some intense water problems for wildlife due to a lack of Monsoon this past summer. We would like to thank the Arizona Elk Society for their efforts in hauling water out to drinkers around the state. As well as helping Elk, we have been informed that a lot of our customers have shown up for a drink. On that front the board approved money for cost share with the Deer Association and Elk Society for a new 1000 gallon water hauling trailer. At our January board meeting we also approved the purchase of two new 1000 gallon trailers for the Elk society which will be loaned to Region 1 for water hauling purposes, to supplement their 500 gallon trailers currently in use and wearing out rapidly. This is in addition to \$20,000.00 donated for general water hauling use. This will go a long way to not only helping Antelope but, elk, deer, small game and even the birds and bees.

It's looking like we can get back into the field for on the ground projects this year doing real good stuff again. We have our usual full season planned and depending on government restrictions hanging over the agencies and group gatherings we hope to see everyone there. For those who draw a tag this year, the Hunter Clinic will go online again and we will have presenters present as last year for question and answer afterwards. We don't know at this time how things will proceed with our annual fund raiser dinner. It is all wait and see for now.

The Habitat Partnership Committee (HPC) meeting went well. We were able to put all of our money received through our special big game tags on the ground in several worthwhile projects. We also recently applied for a grant through the program administered by the Arizona Sportsmen for Wildlife Conservation (AZSFWC) to help with a water development in the soapweed pasture Allen Flats area. This project will set up permanent water with four drinkers one mile apart in an area managed by the Dobson Ranch Cattle Company .



We have also recently forwarded three letters of support for a Conservation Easement, Vegetative Management Assessment, and a alternate easement for sportsmen access around currently locked private land.

Well, that is it for now. We have had 223 members renew so far and hope the other renewals get theirs in soon. I would, in closing, like to put out a challenge to everyone: get one new member this year. There is not only strength in numbers but in new ideas also!

Thanks for your continued support,  
Ken

Ken Meadors, President

*"LIBERTAS AD VAGOR"....*

*FREEDOM TO ROAM*

# WILDLIFE WATERS-ARIZONA DROUGHT & PARTNERSHIPS

BY GLEN DICKENS, VP/GRANTS/PROJECTS MGR.

Well here we are, as I pen this in January all parts of Arizona are still awaiting our winter storms and moisture. This following is what is now being referred to as our statewide 2020 summer of “Non-soon”. Presently the National Integrated Drought Information System or “NIDIS” rates 98.3% of Arizona as in a Severe Drought defined as:

- ◆ Water and feed are inadequate for livestock.
- ◆ Fire danger is high, fire crews are mobilizing.
- ◆ Little forage remains for wildlife, pine trees are losing needles.

The NIDIS further rates 72.7% of Arizona in an Exceptional Drought defined as:

- ◆ Fire restrictions increase, large fires occur year-round.
- ◆ Vegetation green-up is poor, native plants are dying.
- ◆ Lakes, ponds, and streams are dry.

A recent article in AXIOS regarding the southwest said “The U.S. Drought Monitor — the nation's official tally — shows Utah, Arizona, Colorado and New Mexico mired in exceptional drought. This type of drought is only supposed to happen every 50 years, but it's now a regular occurrence.”

- ◆ Even if rain and snow arrive this January, February and March, parched soil and vegetation will slurp it up, leaving less for riverbeds.
- ◆ An ongoing "snow drought" is delivering fewer flakes, which means there will be less snowpack to melt into Western watersheds this spring.
- ◆ Officials are bracing for what could be an unusually devastating wildfire season — the second in a row — and farmers are scrambling to ensure they can irrigate their crops.

While things are looking grim, the Arizona Game and Fish Department (AGFD) and its terrestrial wildlife

“critter group” partners are not taking this lying down. The AGFD has established an emergency water hauling fund and presently field personnel in all six regions of the state are actively water hauling to over 3,000 wildlife water sources. They are using a variety of plastic water containers from 150 gallon truck bed units to 500 and 1,000 gallon trailers and in some cases helicopters for extremely remote desert bighorn sheep catchments.

Many of these deliveries north/south and east of Flagstaff are being done by volunteers staffed and funded by the Arizona Elk Society (AES). In this last zone



COVERT

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alone last year they delivered over 800,000 gallons by trailer. To aid in this effort and to help cover the expenses of the AES, the Arizona Antelope Foundation (AAF) Board donated a check in the amount of \$10,000 in November, with another \$10,000 approved on January 11th on behalf of our northern Arizona pronghorn herds.



At the January 9, 2021 Arizona Habitat Partnership Committee (HPC) sponsored by the AGFD along with AES/AAF, Arizona Deer Association (ADA), Desert Bighorn Sheep Society, and Wild Turkey Federation, \$270,000 was allocated to statewide water hauling expenses. This along with another \$996,000 was allocated to 17 statewide water projects to improve water security by redevelopment of existing catchments and increasing storage capacities.

*Clients at the catchment include this mother bear and cub*

During that HPC meeting the Pinetop Region of the AGFD mentioned that their three aging 500 gallon water hauling trailers were in a constant state of repair. In a follow-up conversation with Pinetop Field Supervisor Bob Birkland and a subsequent call to Steve Clark, Executive Director of the AES, we found that for \$22,000 all three trailers could be replaced by new 1,000 gallon units. Two trailers AAF will purchase outright through the AES and the third cost shared between the AAF (\$2K), AES (\$3K) and ADA (\$5K). As this goes to press Dystra Machinery in Casa Grande is busy building those trailers with vastly improved suspension systems. The same improved suspension systems are scheduled to be added to the older fleet of 500 gallon trailers to extend their half-life through this unprecedented ongoing drought period.

These are examples of your AAF membership dues and donated dollars directly benefiting our Arizona Pronghorn herds. Each time you purchase an online opportunity in one of our multiple prize raffles you are providing the very funds that make these donations a reality. What follows are a couple of emails sent

us by the AGFD and AES which encapsulate perfectly the benefits of these partnerships.



*Mountain lion and two bull elk at catchment*

Date: 01/16/2021 9:20 AM

Subject: Re: Follow-up on Water Trailers/Region 1 & AAF Board decisions for Expenditures

Morning all.

I (we - Pinetop Region 1) sure appreciate the help on our water trailers and all your dedication to wildlife conservation. If I can ever be of assistance, please do not hesitate to call me.

Stay Safe.

Bob Birkeland/Field Supervisor/AGFD

Date: 01/15/2021, at 1:55 PM,

To ALL:

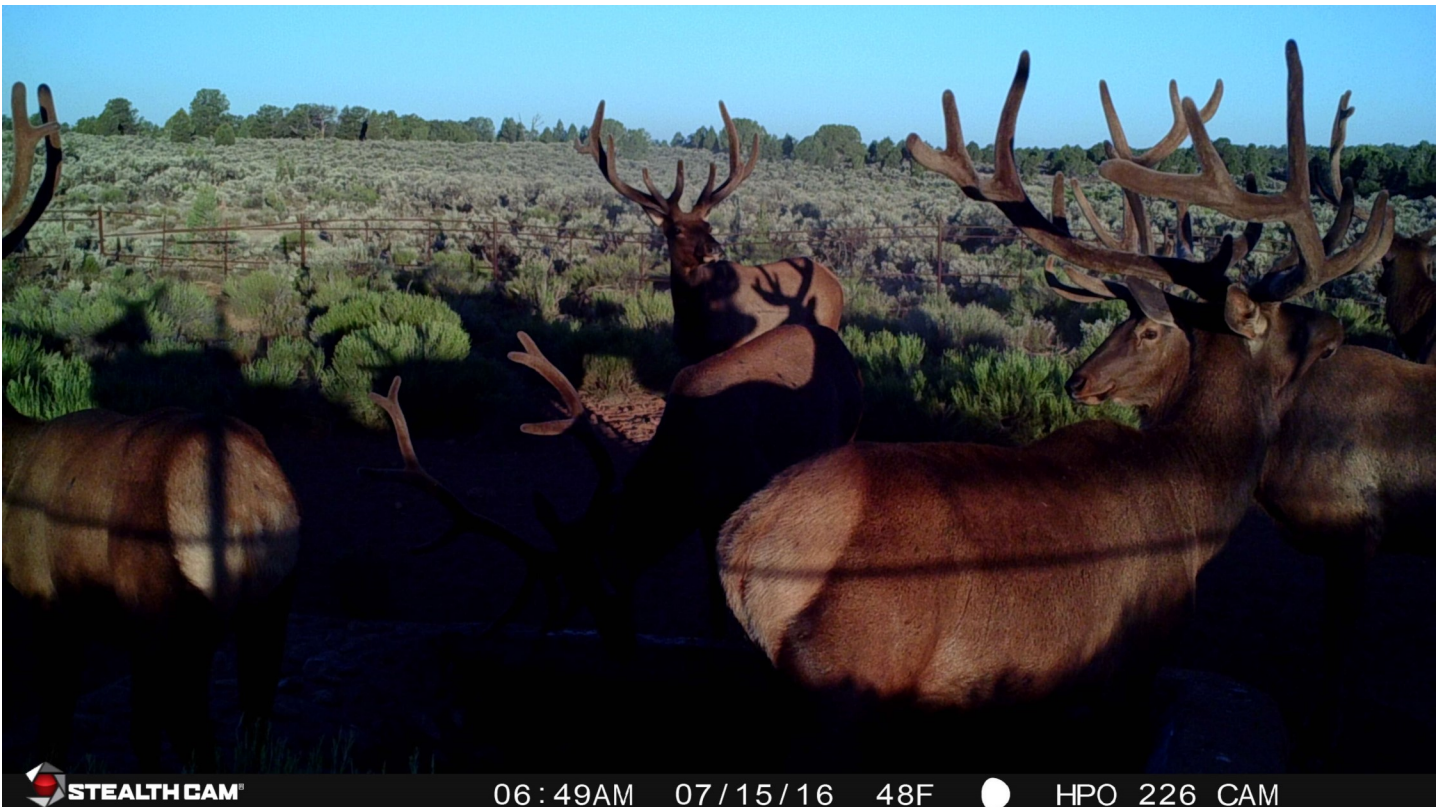
I want to thank you all for this help for the AES Water Program. Also for your dedication to Region I to help them out. The AES will provide detailed receipts on the purchase of the two trailers for Region I that you are purchasing. They are 990 gallon trailers being assembled by Dykstra Machinery in Casa Grande. I was asked for some pictures from our game cameras and have attached a few to this email for you all to see.

An interesting note, last year we restored three large metal tanks and installed troughs (20 years earlier they were on a pipeline that was non-working). AES restored them with the aid of Tom Mackin from Flagstaff and the antelope in the area were there by the end of the day using the troughs immediately. These tanks were in the cinders east of Hwy 89 in 7E. Many people do not realize that there are many antelope, elk, and deer way out in the cinders. The other area that we haul to, Unit 5BN, is full of antelope as you know. We hauled over 800,000 gallons near Flagstaff last year and I would say 5BN was near the top of the list. Our volunteers see many antelope, elk and birds that stand by the fences of the tanks waiting for them to leave.

Thank you all for the support and partnership.

Stephen Clark

Executive Director, Arizona Elk Society



# **VEKOL VALLEY—AAF, BUREAU OF LAND MANAGEMENT— US FISH & WILDLIFE SERVICE—AZ GAME & FISH DEPARTMENT— SONORAN PRONGHORN RELEASE PEN CONSTRUCTION PROJECT**

**BY GLEN DICKENS, VP/GRANTS/PROJECTS MGR.**

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*Photos by Betty Dickens*



On Friday and Saturday October 16-17, 2020 we held a volunteer by invitation only construction project of a 20-acre Sonoran Pronghorn enclosure pen. The pen was constructed of 8-foot T posts, 6-foot woven wire, and green screening material. This was in advance of a planned December Sonoran Pronghorn supplemental release to the Vekol Valley approximately 30 miles southwest of Casa Grande. The Sonoran Pronghorn subspecies is not hunted, is presently federally listed as Endangered, and its restoration is being co-managed by the US Fish and Wildlife Service and the Arizona Game and Fish Department. The lands for the planned release are managed by the Bureau of Land Management

This pasture design is intended to create a predator free environment for holding 20-30 pronghorn for a couple of weeks calming period. Pronghorn were to be introduced into to the new pen in mid-December with the "soft release" to occur a couple of weeks later. This release pasture is located on the eastern boundary of historic endangered Sonoran Pronghorn habitat and is intended to extend their distribution. As you know each January, we have been conducting projects to remove un-needed livestock fence in this zone to make it more Sonoran Pronghorn friendly.

While the pen construction project went off without a hitch, in late November we received disappointing news; that due to lack of winter moisture and a corresponding desert green-up the release would be delayed until fall 2022. (See the details about releases that did occur in this issue's Sonoran Pronghorn summary article, page 15). For this pen construction project we had 25 volunteers, who enjoyed clear skies but warm 90+ degree daytime temps. In addition the extremely high number of Arizona statewide cases of Covid-19 caused us to cancel our planned annual January 2021 fence removal project.

Dinners were served on Friday and Saturday nights with the sides provided by Chefs Mary and Bill Keebler and they hosted Saturday and Sunday morning breakfasts as well. Thanks Mary and Bill!

Thanks, go out to several groups of folks who contributed to this successful project:

- Representing the AAF Board: Ken Meadors, Dave Cagle, Al Sue, Connie Taylor, Joe-Bill Pickrell, Jamie Watkins, Steve Tritz and yours truly.
- BLM: Mike Daehler & Roger Joos
- USFWS: Stephanie Dories
- Arizona Wildlife Federation: Trica Oshant Hawkins & Brick Cummiass
- Az Land Trust: Cameron Becker
- Other AAF members and volunteers: Betty Dickens, Mary and Bill Keebler, Deana Watkins, Dave Laird, Dave Cruce, Darrel Wood, David Breeden, Earl Polvent & Johnny Johnson



*Thanks everyone, for your efforts!*





# UNIT 18A FENCE REPLACEMENT PROJECT

BY ERIN BUTLER KINGMAN WILDLIFE PROGRAM MANAGER

September 28-29 and October 5-6, 2020 Arizona Game and Fish Department employees removed two miles of page wire fence along the boundary between Double O Ranch and Cross Mountain Ranch in Unit 18A which was almost impermeable to pronghorn.



*Photos by Jake Jeager*

Employees rolled up all the barbed wire and page wire into large rolls for recycling in Kingman, then gave the funds back to the rancher.

We removed all existing wooden posts for replacement and assisted the contractor in laying out new posts.

What's exciting about the new fence is that the rancher voluntarily put the smooth bottom wire 20" off the ground to ensure pronghorn could move under it. Wade Zarlingo, Cody Johnston, Brian Miller, Jacob Jeager, Brandon Foley and Erin Butler participated.



# NATIONAL FISH & WILDLIFE GRANT REPORT

## “SOUTHEASTERN ARIZONA GRASSLANDS PRONGHORN INITIATIVE” 2010-2019

### SAN RAFAEL VALLEY HERD ZONE-57,000 Acres

#### OVERVIEW

Pronghorn habitat in the San Rafael Valley is 57,000 acres, 30% of which are US Forest (USFS) lands. The remaining 70% are private and administered by 5 ranches. The area is secure from urbanization due to its public land status, open space conservation easements, and strong conservation ethos shared by the private landowners. The San Rafael Valley was historic pronghorn habitat but by 1940, pronghorn were absent. At the request of local rancher, Marshall Ashburn, AGFD transplanted 70 pronghorn from the Coconino Plateau east of Flagstaff in 1945 and 1951. Populations reached a high in the mid-1960s when AGFD District Wildlife Manager, John Carr, reported more than 100 animals distributed from the Vaca Ranch south to the Sharp Ranch, east to the Parker Canyon steppes, and even further east on Campini Mesa. In 1975, Glen Dickens, a senior University of Arizona wildlife student, found pronghorn throughout those areas, but with numbers reduced to 40. Some rebound occurred in the 1980s, but by 2011 just 12 animals remained. The herd range was vastly reduced to a zone defined by the Vaca Ranch on the north, the Sharp Ranch to the south, and staying on the western side of the main center valley road. This population deficit was addressed in 2014 with a supplemental AGFD release of 17 animals from Cimarron, New Mexico (see Map #1, page 12).

Connectivity was not identified as a significant limiting factor based on valley-wide pronghorn distribution during surveys and the many miles of pronghorn-friendly fence replacement by the Sharp Ranch in the core focal area of the valley. Livestock and wildlife water distribution and security is considered excellent. Grasslands in this valley are maintained by balanced, rigorous grazing regimes practiced by the landowners, who raise purebred Hereford cattle. Juniper invasion on USFS lands in the southeastern quadrant of the valley is being addressed with mastication and removal funded by the USFS, borderland grants, and HPC funds. The Mexico-U.S. international border fencing and walls on the southern end of the valley is now considered a permanent movement barrier and that is desirable from the perspective of long-term population management objectives.

## **PROJECTS**

### ***October 1, 2011 - AAF San Rafael Valley / Vaca Ranch Fence Modification***

A volunteer fence project completed by 25 AAF volunteers on the Vaca Ranch. Fence was modified for 1.5 miles on private property in the northwest quarter of the San Rafael Valley in the Meadow Valley area bordering a main county roadway. The 1.5-mile fence modification improved permeability for the remaining herd of 12 pronghorn utilizing the Meadow Valley area and improved connectivity on **4,800 acres** of critical pronghorn fawning habitat. It assisted in completing a critical northwest portion of the overall San Rafael Valley pronghorn corridor improvement project (see Map #1).

## **PRONGHORN POPULATION TRANSPLANTS & SURVEYS**

### ***January 13-15, 2014 – Meadow Valley Transplant***

The grant and field project managers, along with 8 AGFD personnel, traveled to Cimarron New Mexico to aid in the capture, ear tagging, and radio collaring of 43 pronghorn. Seventeen of these animals were released in the northwest end of the San Rafael Valley on USFS property in an area known as Meadow Valley. It took less than 4 hours for the new gene pool members to find and join up with the remaining resident herd of just 9 animals.

### ***August, 2018 - AGFD August Aerial Surveys***

The AGFD August flight survey for 35A/B south of the San Rafael Valley counted 61 animals (including 9 fawns for 24% fawn success in this sub-population). This herd area had just 9 pronghorn (1 buck and 8 does) in January of 2014 when the AGFD released the 17 transplant animals from New Mexico. The previous year's August 2017 survey had recorded only 44 animals so it is promising to see this continued recruitment in this key sub-population zone.

### ***July, 2019 - AGFD July Aerial Surveys***

The AGFD July flight survey for 35A/B south of the San Rafael Valley counted 52 animals (with just 5 fawns counted for a 17% fawn success rate in this sub-population). This herd area had just 9 pronghorn (1 buck and 8 does) in January of 2014 when the AGFD released the 17 transplant animals from New Mexico. The 2018 survey recorded 61 animals, and 44 were counted in 2017. While this year's numbers were lower than last year, there is still promising continued recruitment in this sub-population zone.

## **SUMMARY**

Until 2014, survey data showed a declining population that was at risk of complete extirpation. With the 2014 pronghorn release, numbers have rebounded. As of the August, 2019 AGFD aerial survey, the minimum herd number is estimated to be 70 animals (see Map #2, page 13 and photo, page 14). With good seasonal moisture the herd now has the potential to reach the minimum population objective of 125 in 3 to 5 years

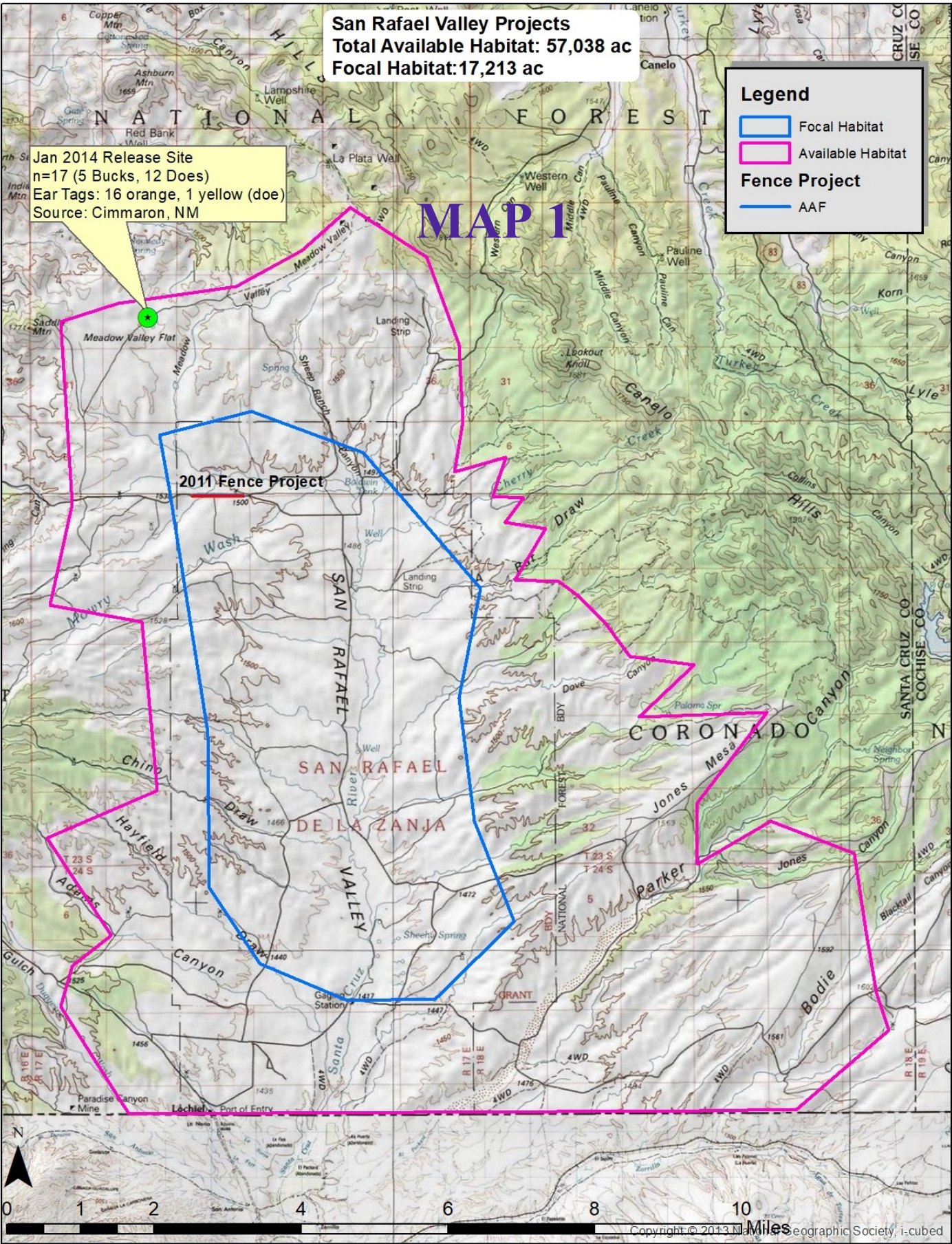
**San Rafael Valley Projects**  
**Total Available Habitat: 57,038 ac**  
**Focal Habitat: 17,213 ac**

Jan 2014 Release Site  
 n=17 (5 Bucks, 12 Does)  
 Ear Tags: 16 orange, 1 yellow (doe)  
 Source: Cimmaron, NM

**Legend**

- Focal Habitat
- Available Habitat
- Fence Project**
- AAF

# MAP 1



**San Rafael Valley Annual Surveys 2009-2019**  
**Total Available Habitat: 57,038 ac**  
**Focal Habitat: 17,213 ac**

Jan 2014 Release Site  
 n=17 (5 Bucks, 12 Does)  
 Ear Tags: 16 orange, 1 yellow (doe)  
 Source: Cimmaron, NM

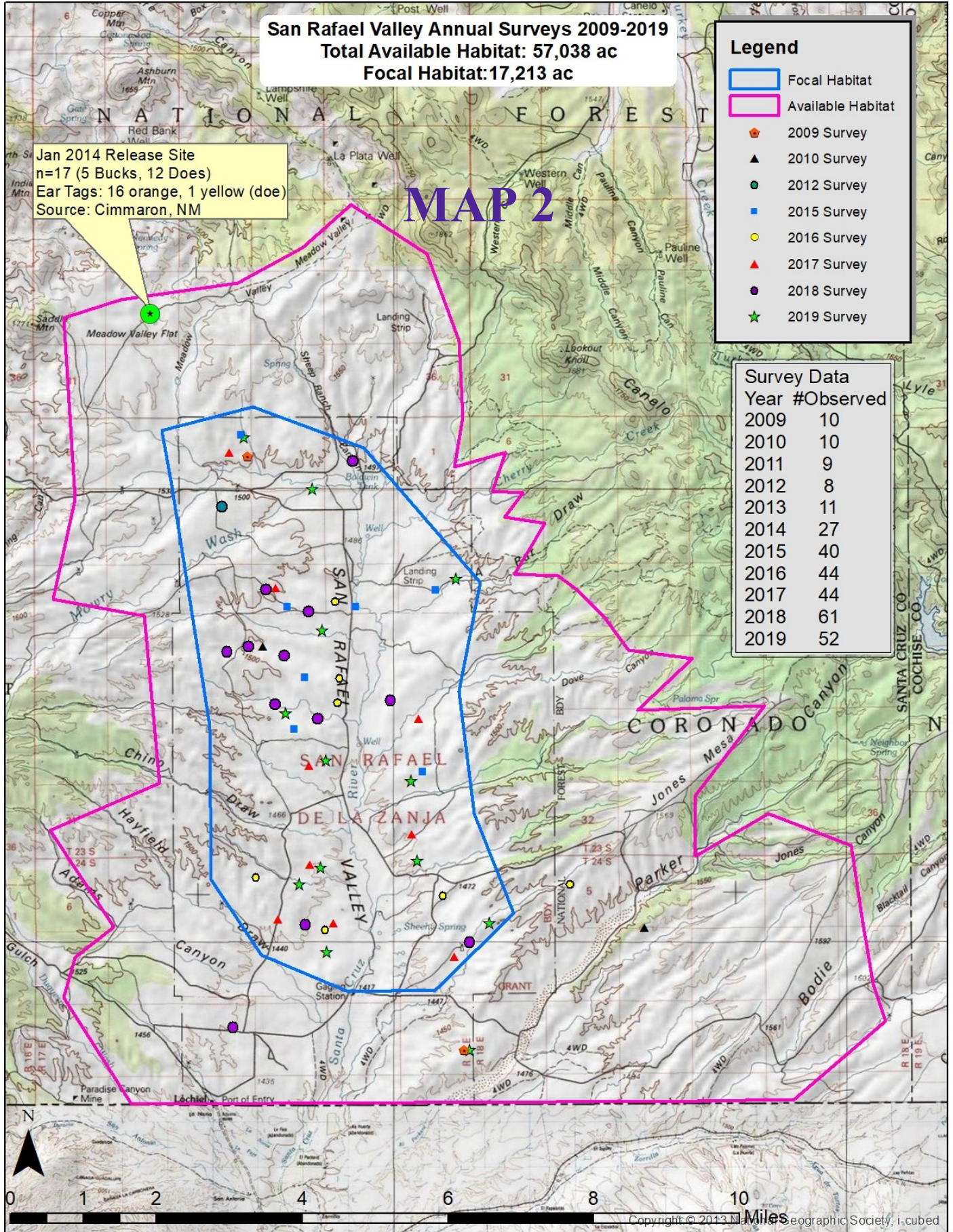
**MAP 2**

**Legend**

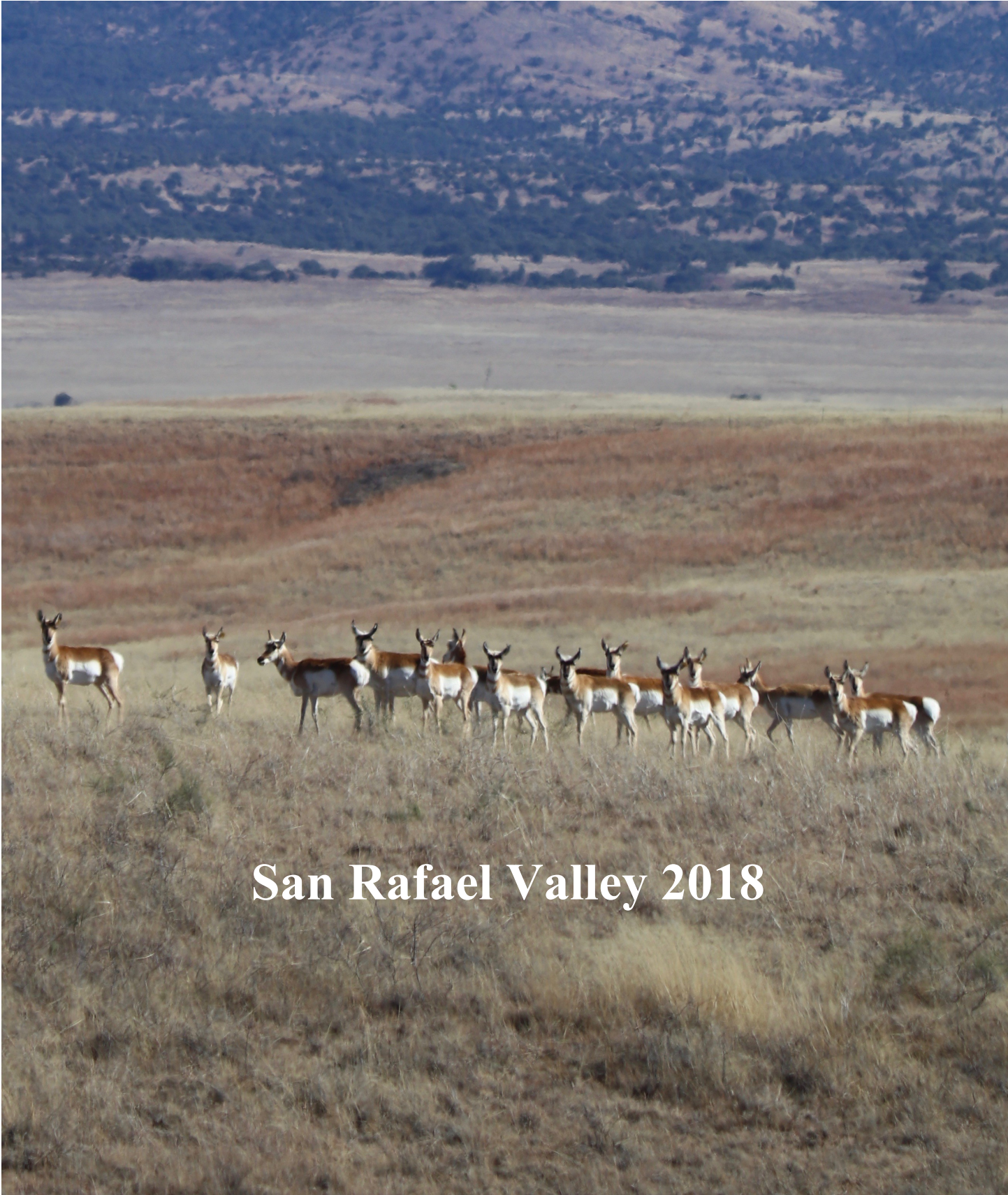
- Focal Habitat
- Available Habitat
- ◆ 2009 Survey
- ▲ 2010 Survey
- 2012 Survey
- 2015 Survey
- 2016 Survey
- ▲ 2017 Survey
- 2018 Survey
- ★ 2019 Survey

**Survey Data**

Year	#Observed
2009	10
2010	10
2011	9
2012	8
2013	11
2014	27
2015	40
2016	44
2017	44
2018	61
2019	52



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**San Rafael Valley 2018**



# SONORAN PRONGHORN UPDATE



FIGURES AND PHOTOS BY JILL BRIGHT AZ GAME & FISH  
SEPTEMBER - DECEMBER 2020

## *Captive Breeding:*

### Cabeza Pen

The pronghorn in the Cabeza pen are doing relatively well during this reporting period. There was zero measurable rain at the pen, and the pen remained dry. A fawn buck and a yearling buck were found dead in September; causes of death could not be determined.

The annual capture/release took place December 9 – 10, 2020. All captured pronghorn were vaccinated, had blood drawn for disease and genetic testing and were marked. All pronghorn being released were fitted with either GPS or VHF collars. Breeding females being released back into the pen were fitted with VHF collars if needed. Fawns returned to the pen got color coded ear tags. There were no serious injuries or mortalities during the capture or handling operation. This year, due to Covid-19 restrictions we did the capture with a very small crew and many people had to perform two or three jobs. Many thanks to everyone who assisted.

Processing started in the north herd on December 9. Thirty animals were handled and processed. Eleven pronghorn (5M, 6F) were transported via trailer to the holding pen in the Saucedo herd area east of Highway 85 on the BMGR. One buck was moved from the north pen to the south pen for future breeding purposes. On Thursday, 40 pronghorn in the south herd were processed. An additional 10 (5M, 5F) were trailered to the Saucedo holding pen, and 10 (5M, 5F) were transported to the holding pen on Organ Pipe Cactus NM. Three additional males were collared and released at the Cabeza pen. The pronghorn in the holding pens will be released to the wild after approximately 3 weeks of acclimation and monitoring for any injuries or issues. There were no immediate injuries or mortalities. The Organ Pipe Cactus pronghorn were released to the wild on December 30, and the Saucedo herd was released on January 6.

All the pronghorn handled and released back into the Cabeza pen are also doing well and are injury free.

NORTH HALF		SOUTH HALF	
Adult Females	11	Adult Females	11
Yearling Females ( <i>b</i> 2020)	8	Yearling Females ( <i>b</i> 2020)	9
Adult Males	3	Adult Males	6
Yearling Males ( <i>b</i> 2020)	7	Yearling Males ( <i>b</i> 2020)	8
Fawns ( <i>b</i> 2021)		Fawns ( <i>b</i> 2021)	
<b>TOTAL</b>	<b>29</b>	<b>TOTAL</b>	<b>34</b>
<b>Total Pen</b>	<b>63</b>		

## **Kofa Pen**

The pronghorn in the Kofa pen are doing well, however there has been no measurable rain at the pen or in the surrounding areas of Kofa Refuge. We conducted the annual Kofa capture/release on December 18, 2020. Thirty-three pronghorn were caught in the bomas and processed on the 18th. Fourteen pronghorn were moved by trailer to the holding pen in the Palomas Plains where they were held for acclimation. The remaining pronghorn were returned to the pen for breeding purposes or they were too young to be released. The pronghorn in the holding pen were released to the wild on January 7. There were no injuries or mortalities.

Adult Females	11
Yearling Females ( <i>b</i> 2020)	8
Adult Males	5
Yearling Males ( <i>b</i> 2020)	7
Fawns ( <i>b</i> 2021)	
<b>TOTAL</b>	<b>31</b>

### ***Wild Pronghorn Cabeza/ORPI/BMGR Herd:***

There has been no significant rain and the pronghorn range remains dry. We have had difficulty doing telemetry flights with our limited personnel and we are stretched thin maintaining waters and forage plots throughout pronghorn range. On a November telemetry flight, the collared pronghorn were found mostly on Organ Pipe Cactus NM, and on the North Tactical Range of BMGR, two areas that had received some rain and were greener than elsewhere. On that flight a doe was heard on mortality in ORPI, subsequent investigation did not reveal a cause of death. In September, a buck was killed on Highway 85 within ORPI. On this flight we observed 12 fawns with 25 females leading to a fawn:doe ratio of 48:100.

### ***Wild Pronghorn Kofa Herd:***

We did one telemetry flight in October over Kofa. The pronghorn that had been near Highway 95 had returned to the pen area. There were no mortalities detected. We observed 16 fawns with 25 does leading to a fawn:doe ratio of 64:100. Many of these fawns were with the does on YPG and the does that returned to the pen and had alfalfa available to them.

### ***Wild Pronghorn Saucedo Herd:***

This area did receive some rain and has been in better condition most of the fall than other areas. On an October telemetry flight, we only found one group of 3 pronghorn north of the Saucedo Mountains. All the other observed pronghorn were south of the mountains. There were two mortalities detected; one 7 year old doe north of the Saucedo, and a 2-year old buck west of Hat Mountain. The buck was likely killed by coyotes, and doe has not been investigated yet. We observed 7 fawns with 19 does, leading to a fawn:doe ratio of 36:100.

### ***Water Projects:***

We have been busy hauling water to various waters throughout pronghorn range as there has been no rain to fill most of the waters. The one exception was Devils Hills where an early September rain filled the water and greened up a small area.



*Numerous wild pronghorn at a water on YPG*

We plan to build the new Ku:Wud water in the Saucedo herd in January 2021. Ku:Wud is the Tohono O'odham word for pronghorn.

### ***Forage***

#### ***Enhancements:***

Habitat conditions were poor throughout pronghorn range for most of the fall. Numerous pronghorn including several fawns have been documented using our forage/water sites including Devils Hills, Point of

the Pintas, Knucklehead, Uken, Morgart and Charlie Bell, all located within the original range. Numerous pronghorn are using Hat Mountain and the temporary Ku:Wud waters in the Saucedo subunit. South release, Dog Leg, SWTR, and 542 near the YPG release pen have also been receiving heavy use by pronghorn within the Kofa/YPG subunit.

### ***Other Projects:***

We constructed a temporary holding pen for pronghorn in the Vekol Valley in anticipation of releasing a new herd there. However further observations and analysis determined that the area was extremely dry. In all the areas where we did release pronghorn this year, range conditions were described as only fair, however there were wild pronghorn nearby and we expect the new pronghorn to be able to join up with them and have a greater chance of survival. Since there are no pronghorn in the Vekol Valley, the new pronghorn would be on their own in a dry area and we felt this was too risky for their survival. We hope to be able to move some there next year.

The Sonoran pronghorn range wide survey in the original range south of Interstate 8 took place November 21 - 29. We observed 212 pronghorn on transects, which led to an estimate of 257 pronghorn using a sighting rate estimator. This was the most observed on transects since we started doing the surveys in 1992, and the highest estimate since 1994 (was 282 in 1994). Pronghorn were seen throughout the range, with 90 observed on the Air Force blocks north of Cabeza, 40 on the Cabeza Refuge, 25 in ORPI, and 57 in the Mohawk Valley on the Marine Range. During the survey, we observed a fawn:doe ratio of 52:100.

We plan to do a similar aerial survey in the King Valley area on Kofa and YPG in January to get a better estimate of how many pronghorn are in that herd now.

*Written January 9, 2021*



the Pintas, Knucklehead, Uken, Morgart and Charlie Bell, all located within the original range. Numerous pronghorn are using Hat Mountain and the temporary Ku:Wud waters in the Saucedo subunit. South release, Dog Leg, SWTR, and 542 near the YPG release pen have also been receiving heavy use by pronghorn within the Kofa/YPG subunit.

# MEMBERSHIP

## LIFE MEMBERS

- |                                    |                                   |                                      |
|------------------------------------|-----------------------------------|--------------------------------------|
| 1. Art Pearce, Phoenix             | 32. Joe Del Re, Chandler          | 63. Chad Elliott, Ehrenberg          |
| 2. Jim Mehen, Flagstaff            | 33. Bob Walker, Phoenix           | 64. Donald C. Slack, Tucson          |
| 3. Larry D. Adams, Bullhead City   | 34. Cookie Nicolson, Williams     | 65. Keith A. Heimes, Bellemont       |
| 4. James K. McCasland,             | 35. Tim Blank, Mesa               | 66. Jon & Jan Hopkins, Mesa          |
| 5. Nina Gammons, Payette, ID       | 36. Jodi Stewart, Gilbert         | 67. Jim Lawrence, Phoenix            |
| 6. Nancy Lewis, Phoenix            | 37. Keith Joyner, Scottsdale      | 68. Larry Audsley, Tucson            |
| 7. Pete Cimellaro, Phoenix         | 38. David Hussey, Cave Creek      | 69. Mike Morales, Tucson             |
| 8. Jerry Weiers, Phoenix           | 39. Susan Purse, Tucson           | 70. Gary Boyer, Prescott             |
| 9. Harry Carlson, Phoenix          | 40. Glen Dickens, Tucson          | 71. Charles Mackey, Cottonwood       |
| 10. David Brown, Phoenix           | 41. Will Garrison, Peoria         | 72. Dave Laird, Buckeye              |
| 11. Art Boswell, Tucson            | 42. Tom Waddell, Arizona          | 73. Alan Calvert, Buckeye            |
| 12. Charlie Kelly, Scottsdale      | 43. Josiah Austin, Pearce         | 74. Lani Beach, Prescott             |
| 13. Chrissy Weiers, Phoenix        | 44. Connie Taylor, Mesa           | 75. Terry Lane, Jasper Lehi, UT      |
| 14. Al Sue, Scottsdale             | 45. Mark Boswell, Mesa            | 76. Robin Bechtel, Show Low          |
| 15. Mary Keebler, Happy Jack       | 46. Jessica R. Pearce, Scottsdale | 77. Billie Bechtel, Show Low         |
| 16. Bill Keebler, Happy Jack       | 47. Douglas Hartzler, Phoenix     | 78. Betty Dickens, Tucson            |
| 17. James Stewart, Phoenix         | 48. Karen LaFrance, Phoenix       | 79. Larry Thowe, Page                |
| 18. Terry Schupp, Tempe            | 49. Kurt Schulz, Waddell          | 80. Cam Smith, Prescott              |
| 19. Dale Hislop, Calgary Canada    | 50. Walt Scrimgeour               | 81. Russell Lee Jacoby, Flagstaff    |
| 20. Mick Rusing, Tucson            | 51. Clifford Nystrom              | 82. Andrew Smigielski, Phoenix       |
| 21. George Welsh, Kingman          | 52. Jon Coppa, Patagonia          | 83. Will I Garrouette Jr., Aptos, CA |
| 22. Matthew Massey, Gilbert        | 53. Neal Brown, Phoenix           | 84. Robert Bueche, Phoenix           |
| 23. Don Parks, Peoria              | 54. Tice Supplee, Phoenix         | 85. Steve Bridges, Sierra Vista      |
| 24. Bill & Kerrie Jacoby, Chandler | 55. Richard Miller, Flagstaff     | 86. Charles W. Wirken, Mesa          |
| 25. Adam Geottl, Cottonwood        | 56. William Cullins, Chandler     | 87. Antonio J. Soto, Glastonbury, CT |
| 26. Shane Stewart, Gilbert         | 57. Robert Neal Bushong, Yuma     | 88. Glenn Bevin, Tempe               |
| 27. Don Davidson, Mesa             | 58. Art & Rosanne Porter          | 89. Richard Roller, Glendale         |
| 28. Terry Petko, Mesa              | 59. Matt McNeil, Chandler         | 90. Roger Kesterson, Casa Grande     |
| 29. Gary M. Johnson, Phoenix       | 60. Susan Morse, Jericho VT       | 91. Anna Welch, Sonoita              |
| 30. Richard Guenzel, Laramie WY    | 61. Gary Higby, Cottonwood        |                                      |
| 31. Randy Cherington, Scottsdale   | 62. James Kavanaugh, Gilbert      |                                      |

## SUSTAINING MEMBERS

- |                                 |                               |                          |
|---------------------------------|-------------------------------|--------------------------|
| Joelle Buffa, Sierra Vista      | David S. Justice, Prescott    | Jay Starks, Phoenix      |
| William C. Cordasco, Flagstaff  | Steven McNamara, Chino Valley | David L. Wolf, Flagstaff |
| Linda Dightmon, Peoria          | Keith Newlon, Sierra Vista    | Darrel E. Wood, Marana   |
| Gary Evenson, Tucson            | Richard A. Ockenfels, Mayer   |                          |
| Lester R. Gaskill, Show Low     | C. Edward Perkins, Happy Jack |                          |
| Roger & Ilene Hailey, Flagstaff | Dan Priest, Phoenix           |                          |
| Roger Joos, Glendale            | Bob & Judy Prosser, Winslow   |                          |

## FAMILY MEMBERS

- |                                   |                                     |  |
|-----------------------------------|-------------------------------------|--|
| Jim & Rita Ammons, Yuma           | John Heim, Tucson                   | Pete & Ann Rathwell, Phoenix             |
| Bruce & Vickie Belman, Flagstaff  | Jay Leadabrand, Cottonwood          | Daniel G. Robinett, Elgin                |
| Dino & Pam Cerchie, Mesa          | Quentin Lewton, Sonoita             | William & Jan Skibbe, Tucson             |
| Michael Christopher, Show Low     | Steve Longbons, Litchfield Park     | Barry R. Sopher, Tucson                  |
| Ken & Kathy Cook, Casa Grande     | Thomas R. McDaniel, Phoenix         | Brian K. Taylor, Munds Park              |
| Mary DeJong, Flagstaff            | Kenneth Morris, Cave Creek          | Christopher & Jolene Vallejos, Flagstaff |
| Cindy & Jim Dickert, Mesa         | Julia K. Nixon, Williams            | Thomas & Jamie Watkins, Phoenix          |
| Ron & Sharon Eichelberger, Alpine | Amy B. Ostwinkle, Chandler          | Charles Wilmer, Phoenix                  |
| Patrick T. Frawley, Chandler      | Dee Phan, Glendale                  |  |
| Marsha D. Halcrow, Waddell        | Ken and Donna Pitzlin, Sierra Vista |  |

## WELCOME TO NEW MEMBERS

- |                                 |                        |
|---------------------------------|------------------------|
| Vince Bloom, Galt, California   | Dan Priest, Phoenix    |
| Tammy Hulfachor, Mesa           | Deana Watkins, Phoenix |
| Roger Kesterson, Casa Grande    |                        |
| Steve Longbons, Litchfield Park |                        |
| Jeffrey Potter, Phoenix         |                        |



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## Thank You!

## Keeping them Common



### GREETINGS!



*Welcome to all the new AAF members! It is exciting to see three new life members in the mix too, for we need all hands on deck to keep the pronghorn healthy and running free. This issue points out something we all know deep down—water is the precious source of life and nothing thrives without it. It is heartening to know that so many agencies are working so hard together to minimize the devastating effects on wildlife. It is something we can all support. Pass this issue on to friends, let them know we invite them to become a new member!*

*Best to you, Lenée*



ARIZONA ANTELOPE FOUNDATION  
 P. O. BOX 19420  
 FOUNTAIN HILLS, AZ 85269

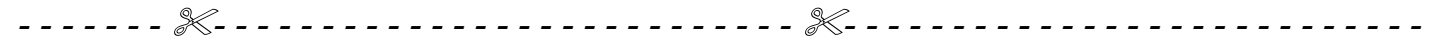
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## NOT A MEMBER? JOIN TODAY!

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)



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