



TAKE (CULL, LETHAL HARVEST) OF A LIVE ANIMAL UNDER A VALID CBW (ESA)



New Reissue/Renew Amendment

Complete Sections **A** or **B**, and C, D, and E of this application. U.S. address may be required in Section C.**

A. Complete if applying as an individual				
1.a. Last name		1.b. First name	1.c. Middle name or initial	1.d. Suffix
2. Date of birth (mm/dd/yyyy)	5.a. Telephone number	5.b. Alternate telephone number	6. E-mail address	

B. Complete if applying on behalf of a business, corporation, public agency, Tribe, or institution			
1.a. Name of business, agency, Tribe, or institution Sycamore Creek Ranch, Ltd		1.b. Doing business as (dba)	
2. Tax identification no. 20-8396040	3.a. Description of business, agency, Tribe, or institution Exotic Game Ranch		3.b. Website URL (if applicable) www.Sycamorecreekranchtexas.com
4.a. Principal officer (P.O.) last name Terk	4.b. P.O. first name Kimberly	4.c. P.O. middle initial A	4.b. P.O. Title Proprieter
5. Primary contact name Kimberly Ayn Terk		6. Primary e-mail address info@sycamorecreekranchtexas.com	
7.a. Business telephone number +1 210-788-4400	7.b. Alternate phone no. NA	8.a. Primary contact telephone no. NA	

C. All applicants complete address information					
1.a. Physical address (Street address; Apartment #, Suite #, or Room #; no P.O. Boxes) 1000 River Glen West					
1.b. City San Antonio	1.c. State Texas	1.d. Zip code/Postal code 78216	1.e. County/Province Bexar	1.f. Country USA	
2.a. Mailing Address (include if different than physical address; include name of contact person if applicable)					
2.b. City	2.c. State	2.d. Zip code/Postal code	2.e. County/Province	2.f. Country	

D. All applicants MUST complete	
1. Include a check or money order, payable to the U.S. FISH AND WILDLIFE SERVICE, a nonrefundable processing fee [50 CFR 13.11(d)(4)]. Federal, Tribal, State, and local government agencies, and those acting on behalf of such agencies, are exempt from the processing fee – attach documentation of fee exempt status as outlined in instructions. (50 CFR 13.11(d))	
2. If you are requesting a reissue/renew/amendment, what is your permit/file number? NA	
3. Certification: I hereby certify that I have read and am familiar with the regulations contained in Title 50, Part 13 of the Code of Federal Regulations and the other applicable parts in subchapter B of Chapter I of Title 50, and I certify that the information submitted in this application for a permit is complete and accurate to the best of my knowledge and belief. I understand that any false statement herein may subject me to the criminal penalties of 18 U.S.C. 1001.	
Jerad Dabney	03/20/2024
The individual/principal officer of the business must print and sign the application. (No photocopied or stamped signatures) Date (mm/dd/yyyy)	

** Further instructions for the above application may be found on our ePermits website. See the last page for information on the Privacy Act, Paperwork Reduction Act, Estimated Burden, and Freedom of Information Act aspects of this application form.

Mail your application(s) to Division of Management Authority, Branch of Permits, MS:IA 5275 Leesburg Pike, Falls Church, VA 22041-3803.

E. TAKE (CULL, LETHAL HARVEST) OF LIVE EXOTIC ANIMALS UNDER A VALID CAPTIVE BRED WILDLIFE (CBW) REGISTRATION (ESA)

This application is for the take (culling) of excess exotic endangered or threatened species by an agent of a CBW holder permit holder. The applicant must either possess or must concurrently apply for a CBW (3-200-41) for the same species for which take will occur. Additionally, the applicant needs to document the trophy fees to be charged to an agent and clearly identify what portion of those trophy fees are to be donated towards *in situ* projects for each species for which authorization is being sought. Please allow at least 90 days for the application to be processed.

ESA

To determine whether an exotic animal species is protected under the ESA, please review the list of [ESA-listed species](#) in the Code of Federal Regulations.

Please be aware that any permit request involving an **ESA endangered species** must be published in the Federal Register for a required 30-day public comment period.

Questions

If you have any questions regarding an action you are requesting authorization for please contact the Division of Management Authority at managementauthority@fws.gov.

Please note: for renewal or amendment of a cull/take permit being requested **within the 5 year** Federal Register public notice period, use application [3-200-52](#)

This form should NOT be used to apply for a Captive Bred Wildlife Registration (use application [3-200-41](#)).

General Information

Review this application carefully and **provide complete answers to all of the questions in the sections relevant to the activity for which you are requesting authorization**. If you are applying for multiple species, be sure to indicate which species you are addressing in each response. If a question is not applicable, answer with "N/A". **If more space is needed, attach a separate sheet with your responses numbered according to the questions.**

All Applicants Must Complete

Electronic Information Submission

Electronic submission of inventories, photographs, and receipts: If you wish to provide information electronically, please include a flash drive containing this information with your physical application.

1. Name and address where you wish the permit to be mailed, **if different from physical address**. If you would like expedited shipping, please enclose a self-addressed, pre-paid, computer-generated, courier service airway bill. If unspecified, all documents will be mailed via regular mail through the U.S. Postal Service.

Jerad Dabney 1429 Winrock Blvd, Houston Texas 77057. See attached Fedex slip

2. Point of contact if we have questions about the application (name, phone number, and email).

Jerad Dabney adventurepermits@gmail.com, 979-571-4968

3. Have you or any of the owners of the business (if applying as a business, corporation, or institution), been assessed a civil penalty or convicted of any criminal provision of any statute or regulation relating to the activity for which the application is filed; been convicted, or entered a plea of guilty or nolo contendere, for a felony violation of the Lacey Act, the Migratory Bird Treaty Act, or the Bald and Golden Eagle Protection Act; forfeited collateral; OR are currently under charges for any violation of the laws mentioned above?

No Yes

If you answered "Yes" to Question 3, provide: a) the individual's name; b) date of charge; c) charge(s); d) location of incident; e) court, and f) action taken for each violation. Please be aware that a "Yes" response does not automatically disqualify you from getting a permit.

4. What is the valid CBW # Applied For that you are conducting take under? Provide a copy. If you do not possess a valid CBW, indicate whether you have applied for one.

5. List all locations where animals will be maintained:

Name: Sycamore Creek Ranch
Address: 3445 Calle Cocobolo Rd.
City: Del Rio
State/Province: Texas
Postal Code: 78840

Description and Justification For Requested Activity

6. For **each species** provide the following: **SEE ATTACHED ANSWERS IN SUPPLEMENT**

- Scientific name (genus, species, and *if applicable*, subspecies),
- Common name,
- Current inventory (males.females.unknown sex, e.g., 10.2.3),
- Number of years the species has been maintained at the facility,
- Number of births per year over the past 5 years,
- Number of mortalities per year over the past 5 years and steps taken to avoid or decrease mortality including natural predation,
- Approximate carrying capacity for the species at your facility,
- List of fees per species charged for a hunt,
- Number of animals per species you anticipate culling per year.

7. Please provide a detailed description on how the proposed activities will **enhance or benefit the wild population within its native range** (e.g., direct or indirect **conservation efforts**) and provide documentation (e.g., signed memorandums of understanding) demonstrating your commitment to supporting specific programs and how these programs contribute directly to the species identified in your application.

SEE ATTACHED ANSWERS IN SUPPLEMENT

TAKE (CULL, LETHAL HARVEST) OF A LIVE ANIMAL UNDER A VALID CBW (ESA)

Question 6. - For each species provide the following:

- a. Scientific name (genus, species, and if applicable, subspecies),
Barrasingha Deer (*Rucervus duvaucelii*)
- b. Common name,
Barrasingha Deer
- c. Current inventory (males.females.unknown sex, e.g.,10.2.3),
Inventory: 4 Males, 20 Females, 3 Unknown,
- d. Number of years the species has been maintained at the facility,
On property for over 10+ years.
- e. Number of births per year over the past 5 years,
Approximately 10+/-
- f. Number of mortalities per year over the past 5 years and steps taken to avoid or decrease mortality including natural predation,
The rate is very low, but predation events do occur. Sycamore Creek Ranch has an active predator control program in place to reduce overall natural predation.
- g. Approximate carrying capacity for the species at your facility,
The property is 8,000 acres, and could easily support 250+ individuals.
- h. List of fees per species charged for a hunt,
\$4500 -Trophy Fee Males
- i. Number of animals per species you anticipate culling per year.
4 Total, 2 Males & 2 Females, if and only if there are Males/Females deemed surplus to the goals of breeding program.

TAKE (CULL, LETHAL HARVEST) OF A LIVE ANIMAL UNDER A VALID CAPTIVE-BRED WILDLIFE (CBW) (ESA)

*Response to question 7. Please provide a detailed description on how the proposed activities **will enhance or benefit the wild population within its native range** (e.g., direct or indirect **conservation efforts**) and provide documentation (e.g., signed memorandums of understanding) demonstrating your commitment to supporting specific programs and how these programs contribute directly to the species identified in your application.*

From the trophy fees collected through culling or lethal harvest of certain ESA listed species, 10% will be donated to direct or indirect conservation efforts conducted at the College of Veterinary Medicine at Texas A&M University. These funds will support the Texas A&M Foundation program “Worldwide Wildlife Conservation and Health” (<https://vetmed.tamu.edu/wildlife-conservation/support/>).

This program aims to benefit wildlife species by focusing on wildlife veterinary education and conservation genetics and genomics studies of global wildlife resources.

1. **Education and Training:** (<https://vetmed.tamu.edu/wildlife-conservation/education/>)
 - The funds are used to train the next generation of wildlife veterinarians. High-impact, hands-on courses cover chemical immobilization, treatment, and transport of wildlife species worldwide.
 - This training ensures healthy and thriving populations of these species in the future.
 - Activities take place on Texas ranches and through international Education Abroad programs.

2. **Conservation Genomics:** (<https://vetmed.tamu.edu/wildlife-conservation/research/>)
 - Researchers actively collect and archive DNA, RNA, and tissue samples from ESA-listed species on Texas ranches.
 - This genetic material allows monitoring and preservation of genetic diversity within and between populations.
 - Genetic variation is crucial, especially for species that may no longer exist in the wild due to habitat loss and environmental pressures.
 - Captive *ex situ* populations preserve certain genetic traits or lineages that are verified through genetic analyses.
 - By documenting unique genetics, researchers gain insights into the original genetic diversity of these species. This knowledge is invaluable for restoration and rewilding efforts.
 - Research ensures sustainable growth of animal populations in captivity.
 - Genetic makeup analysis informs breeding, nutrition, and health care decisions.

Texas A&M University’s Commitment to Wildlife Health and Conservation. For over a century, the College of Veterinary Medicine at Texas A&M University has been unwavering in its dedication to wildlife health and conservation. Through our programs, we cultivate future generations of wildlife veterinarians and Ph.D. level researchers, consistently proving excellence in this vital field. Our initiatives include impactful Education Abroad courses in wildlife medicine and innovative research in wildlife genetics and genomics. These successful endeavors have trained veterinarians who now practice globally and has established internationally renowned research programs in wildlife conservation including Endangered Species Act listed species.

TAKE (CULL, LETHAL HARVEST) OF A LIVE ANIMAL UNDER A VALID CBW (ESA) Permit Application.

This letter is to certify that the undersigned (permittee) will provide 10% of the proceeds resulting from actions involving the animals listed on this TAKE (CULL, LETHAL HARVEST) OF A LIVE ANIMAL UNDER A VALID CBW (ESA) permit (Permit Number: NA) or pending CBW (ESA) permit Approval (Pending Permit Application Number: CS6644940).

These funds will be used to conduct world-wide wildlife conservation and population genetics studies and to support wildlife veterinary medicine education activities at the College of Veterinary Medicine, Texas A&M University (<https://vetmed.tamu.edu/wildlife-conservation/>).

These funds will be received by the Texas A&M Foundation, a 501(c)(3) tax-exempt organization that receives gifts and manages endowments for the sole benefit of Texas A&M University. Tax Identification Number: 74-2245072

Printed Name Kimberly Terk

Date 5-24-24

Signed 

Ranch / Property / Company name and address: Sycamore Creek Ranch, LTD
3445 Calle Cocobolo Rd.
Del Rio, Texas 78840

Payment by check: Please makes checks payable to Texas A&M Foundation with the account name and number in the memo line: **#87681 Wildlife Conservation.**

Mail to:
Texas A&M Foundation
401 George Bush Drive
College Station, TX 77840-2811

Wire Transfer Instructions:
Frost Bank
111 West Houston Street
San Antonio, TX 78205
ABA Transit Number: 114000093
BNF Account Number: 01-0373494
Trust Account Name: Texas A&M Foundation
Trust Account Number: F001110603

Online via credit card:

<https://www.txamfoundation.com/give.aspx>

Select "Search For An Account" and enter the account number: 87681

LIMITED POWER OF ATTORNEY

Purpose – This form satisfies certain provisions applicable to persons who designate agents to communicate and submit permit applications to U.S. government agencies relating to Title 50, Part 13 of the Code of Federal Regulations.

Principal Granting Limited Power of Attorney	Agent Appointed
Name: <u>Kimberly Ayn Terk</u> Address: <u>1000 River Glen West, San Antonio Texas 78216</u> Phone: <u>+12107884400</u> Email: <u>info@sycamorecreekranchtexas.com</u> DOB: <u>3/26/61</u>	<u>Adventure Permits International, LLC,</u> a Texas Limited Liability Company Contact: Jerad Dabney, Manager Phone: 832-829-0166 Email: Info@adventurepermits.com

Appointment. I appoint the above named Agent (and its officers, managers, and employees acting in such capacity for Agent) as my true and lawful agent and attorney-in-fact to communicate, issue submissions, and apply for permits and renewals with U.S. government agencies relating to Title 50, Part 13 of the Code of Federal Regulations. The authority herein shall include such incidental acts as are reasonably required to carry out and perform the specific authorities granted herein.

Representations and Warranties of Principal. Have you or your client (if a broker applying on behalf of your client), been assessed a civil penalty or convicted of any criminal provision of any statute or regulation relating to the activity for which the application is filed; been convicted, or entered a plea of guilty or nolo contendere, for a felony violation of the Lacey Act, the Migratory Bird Treaty Act, or the Bald and Golden Eagle Protection Act; forfeited collateral; OR are currently under charges for any violation of the laws mentioned above?

___[YES] [NO] (Please MARK with XXX in Box) /s/



[Signature: Full Name of Client]

Termination. This power of attorney is effective upon execution, and may be revoked by the Principal at any time by written notice to Agent at the email address identified above. This power of attorney shall be automatically revoked upon Principal's death or incapacitation. Any person relying on this power of attorney shall have full rights to accept and rely upon the authority of Agent until in receipt of actual notice of revocation. Agent may provide notice of termination of appointment by written notice to Principal at the email address identified above.

Principal Granting Limited Power of Attorney:

/s/ 

[Signature: Client Name]

Date 3/15/24

ORIGIN ID:ZFOA (703) 358-2104
PERMITS
USFWS-DMA
5275 LEESBURG PIKE
FALLS CHURCH, VA 22041
UNITED STATES US

SHIP DATE: 04 JUN 24
ACTWGT: 1.00 LB
CAD: 257125397/NET4535

BILL SENDER

TO **JERAD DABNEY**

**ADVENTURE PERMITS
1429 WINROCK BLVD**

583J2/C4A9/9AE3

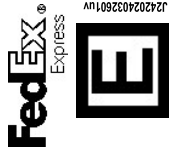
HOUSTON TX 77057

REF: SYCAMORE ROLLKTERK

(979) 571-4988

PO:

DEPT:



J242024032601uv

FRI - 07 JUN 8:00P

EXPRESS SAVER

RES

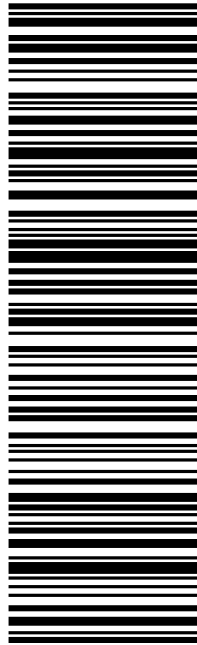
77057

TRK# 7765 5684 1870

0201

4Z SUGRG

TX-US IAH



After printing this label:

CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH

1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

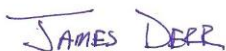
September 2024

This letter is to introduce the Wildlife Conservation and Education Programs in the College of Veterinary Medicine at Texas A&M University and the Texas A&M Foundation. For decades, these programs have conducted conservation genetics and genomics research with wildlife worldwide and have directly focused on the education of veterinary students in the capture, treatment and transport of wildlife species.

For example, we offer US based courses to veterinary students that involve chemical immobilize of native, exotic and endangered species such as Barasingha deer, Arabian Oryx, Red Lechwe, Addax, Dama Gazelle and Scimitar-Horned Oryx and others. These courses train students to understand the metabolic difference between native and exotic species. Barasingha deer, and other exotic hoofstock, are excellent for this purpose since their metabolism is unique and in contrast to other wildlife species we work with as part of the education of veterinary students. These efforts in turn help us learn about the capture physiology of endangered species such as barasingha deer and other exotic wildlife species to benefit them by ensuring their safe capture for conservation purposes: veterinary care to ensure the survival of the species, conservation genetic collections and population propagation translocation efforts in both in-situ and ex-situ populations.

In addition, these veterinary medicine activities are also extended to wildlife in Africa with our TAMU Education Abroad course "African Wildlife Medicine". This course offers veterinarian students the opportunity to travel to Africa to work with world renowned wildlife veterinarians with the iconic species of Southern Africa. Again, the education of veterinary students in DNA collections and in the treatment and transport of exotic and endangered wildlife species is critical to the long-term health and conservation of these valuable wildlife resources.

Funds generated and donated to the Texas A&M Foundation directly benefit these species by providing experienced and informed veterinary professionals for the future and contribute to our conservation DNA data banks. Please visit this website for more information and how to support these important wildlife health and conservation programs. <https://vetmed.tamu.edu/wildlife-conservation/support/>

A handwritten signature in blue ink that reads 'JAMES DERR'.

Dr. James Derr, Professor

College of Veterinary Medicine and Biomedical Sciences

Texas A&M University

College Station, TX 77843-4467

jderr@tamu.edu

979-574-5915

https://scholar.google.com/citations?user=a_TzvI0AAAAJ&hl=en

WILDLIFE CONSERVATION

AND HEALTH



Wildlife Conservation and Health programs at the Texas A&M College of Veterinary Medicine & Biomedical Sciences (VMBS) provide research and education opportunities — across species and locations — to undergraduate, graduate, and veterinary students. Our research programs focus on conservation genomics — a subfield of population genetics that uses biotechnology to preserve and restore biodiversity. Our education programs give students hands-on opportunities to practice veterinary medicine that benefits the health of exotic and wildlife species.



TEXAS A&M UNIVERSITY

**Veterinary Medicine
& Biomedical Sciences**

ABOUT OUR PROGRAMS

75+ | NUMBER OF SCIENTIFIC PUBLICATIONS REPORTING ORIGINAL RESEARCH
(FROM DR. DERR'S MORE THAN 25 YEARS OF DIRECTING WORLDWIDE PROJECTS)



RESEARCH

Conservation genomics is a field of study that uses biotechnology to conserve and restore biodiversity. Within species, the level of genetic diversity is directly proportional to a species' ability to survive.



EDUCATION

The Texas A&M African Wildlife Medicine Education Abroad experience gives students an appreciation for the role of veterinarians in large landscape wildlife conservation medicine.



SUPPORT

The VMBS exemplifies a steadfast dedication to the preservation of wildlife health and conservation, through the cultivation of future generations of wildlife veterinarians and graduate student experts.



JAMES N. DERR, PHD

PRINCIPAL INVESTIGATOR (PI)

Dr. James N. Derr is a professor of veterinary pathobiology and genetics at Texas A&M University. He is the director of the DNA Technologies Core Laboratory in the School of Veterinary Medicine & Biomedical Sciences (VMBS). He has previously served as chair of the Texas A&M Faculty of Genetics & Genomics (FoG2) and president of the Texas Genetics Society.

RESEARCH

For more than 25 years, he has directed worldwide research projects in wildlife and livestock conservation genomics. This work has produced over 75 scientific publications reporting original research on many species. His research program has produced articles on North American bison, African lions, bottlenose dolphins, domestic and wild cats, elk, pronghorn antelope, sheep, quail, white-tailed and mule deer, bowhead whales, domestic livestock, and multiple fish species. These projects have been funded

through international, federal, state, non-governmental, and private sources.

EDUCATION

In addition, Dr. Derr is an impactful educator through his teaching efforts in undergraduate genetics courses to students interested in medicine (human and veterinary). He has mentored over 100 graduate students in conservation/population genetics/genomics and animal health.

His Education Abroad course is designed for first- and second-year veterinary students to travel to South Africa to learn how to immobilize, treat, and transport various species. His efforts with these young veterinarians ensure they graduate with specialized knowledge and skills to handle health care and conservation issues with the tremendous number of exotic wildlife species on private ranches and preserves worldwide.

WHAT IS CONSERVATION

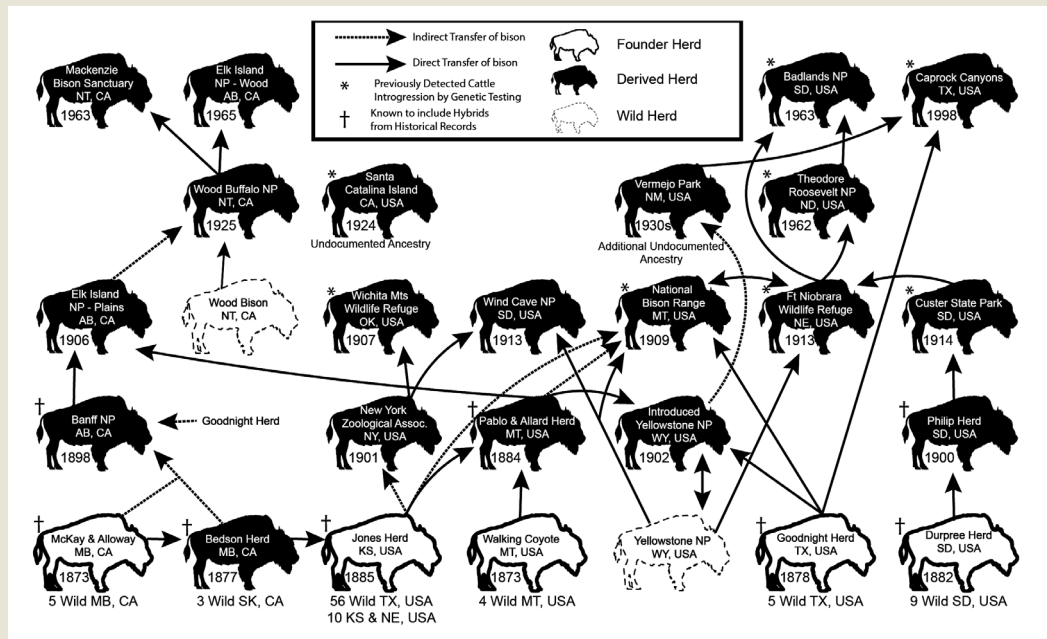
GENOMICS?

Conservation genomics is a field of study that uses biotechnology to conserve and restore biodiversity. Within species, the level of genetic diversity is directly proportional to a species' ability to adapt, survive, and thrive.

To date, one of the most detailed conservation genomics studies of any wildlife species focused on American

bison. This species experienced a well-documented population decline between 1800 and 1900 that reduced its numbers by over 99%!

The spectacular recovery of over 700,000 animals present today is a testament to their genetic constitution and is recognized as one of the most significant accomplishments in modern conservation biology.



This graph represents the survival and repopulation of bison by tracking the major founding lineages from wild-captured bison to modern populations.

It does not include all bison movement but is instead meant to show the contribution and influence that the founding herds have on modern populations based on documented evidence of transferring bison. This figure also identifies populations that are known to have domestic cattle introgression, whether through historical documentation or modern genetic testing, and the years when each population was established. The Banff National Park population is not the same as the reintroduced animals that currently reside in the park. (Coder 1975) (American Bison Society 1908) (Dratch & Gogan 2010) (COSEWIC 2013) (The Catalina Islander, 1924, Fourteen Buffalo Are Free on Catalina Island). (From Stroupe et.al 2022).

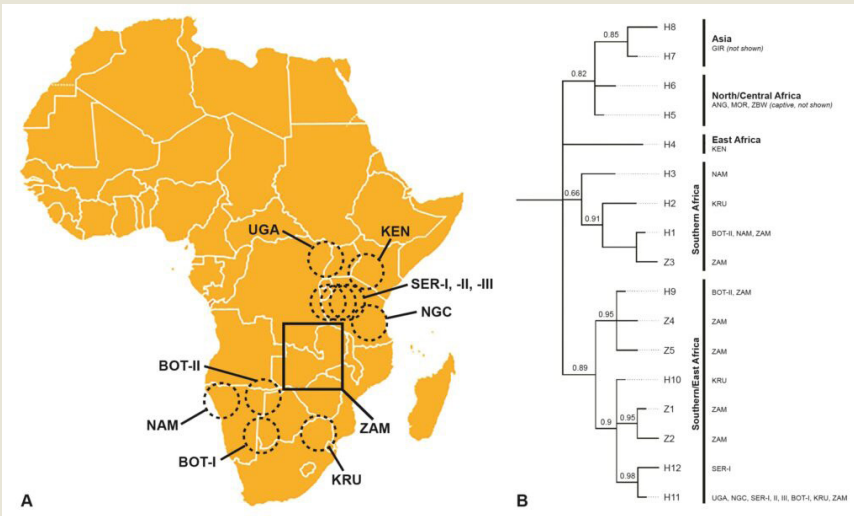
POPULATION DECLINE OF AMERICAN BISON FROM 1800 TO 1900
(WELL-DOCUMENTED CONSERVATION GENOMICS STUDY STATISTIC)

99%



SOME PAST PROJECTS

- Genomic Technology for North American Bison Conservation (Sam Stroupe)
- African Lion Conservation Genomics (Caitlin Curry)
- Uncovering the Genomic Signatures of Population Structure and Introgression in American Bison (David Forgacs)
- Preserving Genetic Information of Wildlife Species (Jerad Dabney)
- Genetic Catalog of Huntible Wildlife Species of Africa (Floyd Barnes)
- The Utilization of Genetic Markers to Resolve Modern Management Issues in Historic Bison Populations: Implications for Species Conservation (Natalie Halbert)
- Sequencing the Genome of American Bison (Lauren Dobson)
- Assessment of Recent Bottlenecks: A Case Study of the Bering-Chukchi-Beaufort Seas Stock of Bowhead Whales (Alex Rooney)
- Developing DNA-Based Technologies in North American Bison: Parentage Testing, Linkage Mapping and QTL Scans (Robert Schnabel)
- An Evaluation of the Outcome of Interspecific Hybridization Events Coincident with Dramatic Demographic Decline in North American Bison (Todd Ward)



Radiated maximum likelihood tree with branch support.

Clades are colored by region. Haplotypes in bold are found in Zambia. The map insert is from *Curry et al. 2015*, showing the locations of the lions sampled. Circles indicate geographic locations for populations determined by Antunes et al. UGA (Uganda); KEN (Kenya); SER (Serengeti National Park, Tanzania); NGC (Ngorongoro Crater, Tanzania); KRU (Kruger National Park, South Africa); BOT-I (Southern Botswana and Kalahari, South Africa); BOT-II (Northern Botswana); NAM (Namibia); GIR (Gir Forest, India); ANG (Angola); ZBW (Zimbabwe); and MOR (Morocco). A square denotes ZAM (Zambia).



AFRICAN WILDLIFE

MEDICINE



The Texas A&M African Wildlife Medicine (AWM) Education Abroad experience gives undergraduate, graduate, and veterinary students an appreciation for the role of veterinarians in large landscape wildlife conservation medicine and develops skills they can apply to wildlife health and sustainability issues.

Experts guide participants through animal restraint, drug administration, field surgery, and darting. Other experiential learning could include interaction with crocodiles, buffalo, and rhinos.

Visit tx.ag/AWMtamu to watch a video by a student from a recent track and find links to various Facebook groups and pages from previous cohorts.

Above: Over the two-week course, students are exposed to about 20 classroom hours of instruction on topics ranging from wildlife pathology to capture drug pharmacology and parasitology. The dining room at Seringa Lodge also serves as our classroom.

Top right: A partially immobilized cape buffalo bull is escorted out of the bush by some motivated students and capable South African guides. When working with immobilized horned species, students quickly learn to keep their elbows locked and bodies at arm distance from the horns.

Middle right: We strive to push students out of their comfort zones and inspire them to accomplish things they would otherwise never have a chance to attempt. Here, a veterinary student is focused on injecting additional drugs into a white rhino who woke up a little early.

Bottom right: Giraffe capture is one of the most difficult and dangerous activities in the course. The animals are big, strong, and athletic. They can kick further than any other animal on Earth. They also tend to run long distances while resisting the influence of capture drugs. Most of the time, we end up slowing them down and eventually using ropes to bring them safely to the ground.



SUPPORT OUR PROGRAM



US Fish and Wildlife Service (FWS) permit justification for Texas A&M Foundation receiving funds from ranches that participate in “take (cull, lethal harvest) of live animals under a valid captive-bred wildlife (CBW) (endangered species act [ESA]) permit.”

- Funds generated from the permitted efforts will support enhanced wildlife veterinary education and conservation genetics and genomics programs with these ESA-listed species on ranches in the United States and their native habitats worldwide.
- Funds generated from ranches that participate in the captive breeding programs for ESA species will be used in multiple ways by Texas A&M University to ensure the long-term conservation and health of these listed species.

ABOUT OUR PROGRAMS

From an institutional point of view, Texas A&M University represents the flagship institution of The Texas A&M University System. Since 2021, Texas A&M has enrolled the largest student body in the US and is the only university in Texas to hold simultaneous designations as a land-, sea-, and space-grant institution. It is classified among “R1: Doctoral Universities – Very high research activity” and is a member of the Association of American Universities.

In addition, for more than a century, Veterinary Medicine & Biomedical Sciences (VMBS) at Texas A&M has exemplified a steadfast dedication to the preservation of wildlife health and conservation. Through the cultivation of future generations of wildlife veterinarians and graduate students, our institution

has consistently demonstrated excellence in wildlife health and conservation with ESA-listed species and other wildlife species from around the world. Our extensive programs extend to impactful Education Abroad courses in wildlife medicine alongside cutting-edge conservation research initiatives in wildlife genetics and genomics.

These highly successful endeavors have yielded the training of numerous veterinarians who now practice globally, as well as the establishment of internationally renowned wildlife research programs operating across every continent.

Sustained by the support of the State of Texas, federal and international agencies, as well as private donations and contracts, these initiatives showcase a broad network of continued financial support for our programs.

With an unwavering commitment to wildlife health and conservation, Texas A&M University stands uniquely poised to assume a direct leadership role in ensuring the enduring stewardship of global wildlife resources for ESA-listed and non-listed species well into the future.

RESEARCH BENEFITS OF GENETIC SAMPLES

Genetic samples provide invaluable data for studying genome evolution by allowing researchers to examine the differences between exotic and domestic species, which can be used to improve breeds or develop strategies for long-term conservation.

Understanding genetic variation within and between species can be





instrumental, as genetic variation influences fertility, gestation, and offspring viability. Thus, such research is critical in ensuring the sustainable growth of these animal populations in captivity.

Sampling can also assist in effective herd management by allowing researchers to understand the genetic makeup of herds, which leads to more informed decisions about breeding, nutrition, and general care. Furthermore, DNA analysis can help in the early detection and control of diseases that might be genetically predisposed in certain species or breeds, such as Scrapie in sheep. For some species, DNA analysis can provide insights into historical human-animal interactions with respect to livestock development and wildlife conservation.

CONTRIBUTE TO CONSERVATION AND EDUCATION IN SUPPORT OF WORLDWIDE WILDLIFE SPECIES RESOURCES

Funds generated for these efforts are used to support our wildlife veterinary education and conservation genetics and genomics agendas.

Option 1:

Give online at give.am/vetmed463.

Option 2:

Contact the VMBS Development Office
by phone at 979.845.9043
or email at development-vmbs@tamu.edu.

FOR MORE INFORMATION



James N. Derr, PhD

Professor & Director, DNA Technologies Core Lab

Department of Veterinary Pathobiology
and Faculty of Genetics & Genomics


Texas A&M College of
Veterinary Medicine & Biomedical Sciences
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Tel: 979.862.4775 | **Email:** j-derr@tamu.edu

Web: vetmed.tamu.edu/wildlife-conservation

[EXTERNAL] Re: Inquiry Regarding CS6644940 (F41) and CS7161427 (F37TK) - Renewal of CBW Registration and Cull/Take Application

From Jerad Dabney <adventurepermits@gmail.com>
Date Tue 9/17/2024 3:33 PM
To Ketram, Natchanon N <natchanon_ketram@fws.gov>

 3 attachments (5 MB)

TAMU Foundation Wildlife Support Letter.pdf; Dr. Pat Martin DVM.pdf; TAMU Wildlife Health and Conservation-Program Summary.pdf;

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Natchanon,

I hope you're doing well today. Please find attached documents/letters to answer your questions below about the Veterinarian and Texas A&M University - College Of Veterinary Medicine Projects/Program.

Have a great day!

Jerad Dabney
Adventure Permits International
832-829-0166
AdventurePermits@gmail.com

On Tue, Sep 10, 2024 at 11:30 AM Ketram, Natchanon N <natchanon_ketram@fws.gov> wrote:
Good afternoon,

I do apologize again for the delay in reaching out to you. The USFWS has a few questions regarding your application. I will provide these questions below:

1. Can you provide the name and if possible, the resume, of the veterinarian who can treat the animals if need be? If a resume is not available, can you provide a narrative summarizing the

qualifications of the veterinarian?

2. For the cull/take application, you had included description on the efforts carried out by Texas A&M University using funding collected from the trophy fees. Can you further elaborate on what *in-situ* conservation activities for the barasingha does Texas A&M engages in? If the specific initiative has some kind of brochure or annual project summary, please send them my way.

In accordance with 50 CFR 13.11(e), if the requested information is not received by this office by **October 25, 2024**, your application will be abandoned and administratively closed. Once a file is closed you will need to submit a new application and all required fees for the Service to consider your proposed activity. Please refer to permit application number CS6644940 and CS7161427 in your correspondence.

Thank you,

Natchanon Ketram
Permit Biologist
Branch of Permits
Division of Management Authority
International Affairs Program
U.S. Fish and Wildlife Service
Falls Church, VA, USA