



BRIGHTS ZOO
USDA 63-C-0189
3425 Hwy 11E
Limestone, TN 37681
www.brightszoo.com

August 8, 2019

RCVD AUG 13 2019

Division of Management Authority
Attn: Mike Moore
U.S. Fish & Wildlife Service
Branch of Permits, MS: IA
5275 Leesburg Pike
Falls Church, VA 22041-3803

Dear Mr. Moore,

Enclosed is a new CBW application from Brights Zoo. I've only included for animals that we currently own.

Please feel free to call me if you have any further questions.

Sincerely,

Tony Bright
Owner

Email: tony@brightszoo.com
Mobile: 423-426-6528
Fax#: 423-257-1999

BRIGHTS ZOO
3425 HWY 11E
LIMESTONE, TN 37681
WWW.BRIGHTSZOO.COM
423-426-6528

RCVD AUG 13 2019

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**Department of Interior
U.S. Fish and Wildlife Service
Federal Fish and Wildlife Permit Application Form**

U.S. Fish and Wildlife Service
Division of Management Authority
Branch of Permits, MS: 1A
5275 Leesburg Pike
Falls Church, VA 22041-3803
1-800-358-2104 or 703-358-2104

Type of Activity

**CAPTIVE-BRED WILDLIFE REGISTRATION (CBW) under the
U.S. Endangered Species Act (ESA)**

Complete Sections A or B, and C, D, and E of this application. U.S. address may be required in Section C, see instructions for details.
Instructions on how to make your application complete and help avoid unnecessary delays are attached.

Section A: Complete if applying as an individual

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| 1.a. Last Name Bright | | 1.b. First Name Dale | | 1.c. Middle Name/Initial Tony | | 1.d. Suffix | |
| 2. Date of Birth (mm/dd/yyyy) [REDACTED] | | 3. Telephone Number 423-426-6528 | | 3.a. Alternate Telephone Number 423-257-1900 | | 4. E-mail address tonyb@brightszoo.com | |

Section B: Complete if applying on behalf of a business, corporation, public agency, Tribe, or institution

| | | | | | | | |
|--|--|--|---|--|--|---|--|
| 1.a. Name of business, agency, Tribe, or institution Bright and Associates, Inc. | | | | 1.b. Doing business as (DBA) Brights Zoo | | | |
| 2. Tax identification no. 62-1171884 | | | | 3. Description of business, agency, Tribe, or institution Zoo (open to public) | | | |
| 4.a. Principal officer Last name Bright | | 4.b. Principal officer First Name Dale | | 4.c. Principal officer Middle name/Initial Tony | | 4.d. Suffix | |
| 5. Principal officer title Owner | | | 6. Primary contact name Tony Bright | | | | |
| 7.a. Business telephone number 423-426-6528 | | 7.b. Alternate telephone number 423-257-1900 | | 7.c. Business fax number 423-257-1999 | | 7.d. Business e-mail address tonyb@brightszoo.com | |

Section C: All applicants complete address information

| | | | | | | | | | |
|---|--|-------------------------|--|---|--|---|--|----------------------------|--|
| 1.a. Physical address (Street address; Apartment #, Suite #, or Room #; no P.O. Boxes) 3425 HWY 11E | | | | | | | | | |
| 1.b. City Limestone | | 1.c. State TN | | 1.d. Zip code/Postal code 37681 | | 1.e. County/Province Washington | | 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 | |

Section D: All applicants MUST complete

| | |
|--|--|
| 1. Attach the nonrefundable application processing fee in the form of a check or money order payable to the U.S. FISH AND WILDLIFE SERVICE in the amount of \$200. 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. 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. | |
| Signature of applicant/Principal Officer for permit (No photocopied or stamped signatures) Date of signature (mm/dd/yyyy) <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> 77 </div> <div style="text-align: center;"> 8/8/2019 </div> </div> | |
| Please continue to next page | |

E. CAPTIVE-BRED WILDLIFE REGISTRATION (U.S. Endangered Species Act)

Please use the following application for all CBW requests: new or renewals.



This is a new application.



This is an amendment or renewal application.

All applicants must complete **Part 1** of the application. A CBW Registration remains valid for five years and may be renewed once for a total validity of ten years, after which the CBW Registration number will be retired and you must apply for a new CBW Registration. If a renewal application is submitted thirty days or more prior to the expiration of the CBW Registration, the applicant may continue to conduct previously authorized activities during the renewal process. However, if the application is submitted fewer than thirty days prior to expiration, activities must cease at the time the registration expires until the renewal process is completed.

For new applications and amendments, complete **Part 2** of the application. You may renew your CBW once after 5 years, but after a CBW registration has been valid for 10 years, you must submit a complete new application responding to all questions.

To renew your CBW (it has been less than 10 years since you submitted a completely new application), complete **Part 3** of this application.

Electronic submission of inventories, photographs, and receipts: Some applications contain extensive inventories and /or a large number of photographs or receipts. You may provide electronic versions of the documents. Such a submission will assist the processing of your application since it may reduce data entry by the U.S. Fish and Wildlife Service. If you wish to provide information electronically, once you have received an application number via the e-mailed acknowledgment letter, e-mail your information to permits@fws.gov. Be sure to include the application number provided in the acknowledgment e-mail that will be sent to you when we receive your application.



I will be submitting documents electronically.

Part 1: All Applicants Should Complete:

The Division of Management Authority annually distributes a list of Captive-Bred Wildlife (CBW) Registration permittees to all CBW registration holders. The list facilitates the exchange of parental stock among registered breeders and includes permittees that operate as individuals, as well as those that are business entities. For businesses and other organizations holding CBW registrations, including sole proprietorships, the list includes name, permit number, address, and species held by each permittee. However, the records for individuals holding CBW registrations are contained in a Privacy Act (5 U.S.C. 552a) system of records. Therefore, only the name, species, permit number, and state of residence will automatically be included on the list. The complete address will be included only upon authorization from the individual permittees.

If you are not a business or organizational entity, and are applying for the CBW registration as an individual, please provide one of the following statements (Note: if you collect funds for any wildlife purpose, you are a business):

I, [your name] of [facility name] authorize the U.S. Fish and Wildlife Service to include my complete address in its CBW registration list and to release this information to other CBW holders or the public, if requested. I would also like the Service to use the following address on the CBW registration list: [indicate either your mailing address or facility address as identified in your application].

☐ Same address as on page one.

☐ Different address:

Signed _____ Date _____

OR

I, [your name] of [facility name] do not authorize the U.S. Fish & Wildlife Service to include my complete address in its CBW registration list. Since my contact information will not be made available to parties interested in cooperating with other CBW holders in breeding programs, I intend to use the following method to communicate and facilitate exchanges with other interested CBW holders:

Signed _____ Date _____

1. Name and address where you wish the permit to be mailed, if different from page 1. 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 the U.S. Postal Service.
2. Who should we contact if we have questions about the application (name, phone number, and e-mail)?
Tony Bright, 423-426-6528, tonyb@brightszoo.com
3. Disqualification factor. A conviction, or entry of 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 disqualifies any such person from receiving or exercising the privileges of a permit, unless such disqualification has been expressly waived by the Service Director in response to a written petition. (50 CFR 13.21(c)) Have you or any of the owners of the business, if applying as a business, been convicted, or entered a plea of guilty or nolo contendere, forfeited collateral, or are currently under charges for any violations 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. Provide copies of any license or registration under the Animal Welfare Act regulations of the U.S. Department of Agriculture [9 CFR 2] (if required) and/or any State license or registration required to maintain or breed the species requested in Part 2 or Part 3 below. If available, provide a copy of your last two (2) USDA AWA inspection reports.
5. The exact location(s), including address(es), where the wildlife requested in this application will be maintained. If more than one location exists, list all that apply (Note: You must report any change in address or location of facilities to the Division of Management Authority within 10 days).

Brights Zoo, 3425 HWY 11E, Limestone, TN 37681

6. Provide a current inventory, including those out on loan, for each of the ESA-listed species you are requesting to include or have already been approved to hold (if currently holding a valid CBW registration) on your CBW registration.

White-handed Gibbon (5), Grevy's Zebra (2), Baird's Tapir (1),

7. A description of the qualifications of the individuals who will care for the animals, including the number of years' experience with this species or similar species, and names of current caretakers.

Connie Bright is main zoo keeper for White-handed Gibbons. She has over 40 years of primate experience. Maggie Trunack is lead keeper for all zoo hoof stock and has 20 years of experience.

Part 2: New Application, Amendment, or Renewal of a CBW which is older than 10 years:

FOR EACH SPECIES BEING REQUESTED for inclusion in a registration, whether a new application or amendment, complete each of the following questions. Signify that you have read each question by writing "N/A" if not applicable. If submitting hard copy pages, please indicate the species and the application question number you are addressing.

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

See attachments 1-A through 1-H

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

See attachments 1-A through 1-H

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

See attachments 1-A through 1-H

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

See attachments 1-A through 1-H

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

See attachments 1-A through 1-H

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

See attachments 1-A through 1-H

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

See attachments 1-A through 1-H

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

See attachments 1-A through 1-H

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

See attachments 1-A through 1-H

Part 3: Applications to Renew CBW registrations that are 5 years old or less:

All CBW registrants are required to submit an annual report on activities conducted at the facility over the previous year, as well as a current inventory of all species covered under the registration. If you have already responded to the following questions in your annual report, please note that in your answer to the question.

15. Have there been any changes to your operation such as reconstruction or new construction, new facilities, or other physical changes? If yes, please describe them.

Added South America building with 13 exhibits in 2018 and currently building an aquarium.

16. Have there been any changes to senior staff or personnel changes that would affect how your operation handles the species included in the registration? If yes, please describe these changes.

No

17. Have there been any changes to your inventory that have not been reflected in your annual reports or the current inventory list provided to the Service? If yes, please describe these changes.

No

18. Is there any additional information that you believe the Service should be aware of in regards to your operation, facilities, inventory, or business model?

Brights Zoo is located in East Tennessee and one of our main purposes is public education. Our zookeepers perform daily keeper talks to public when zoo is open.

***** Please note:** If you have a change of mailing address, you must notify the Service within 10 days. If your facilities move, you will need to apply for an amendment of your CBW registration.

Spheniscus demersus

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Spheniscus demersus (African Penguin)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Wildlife World Zoo, Aquarium, & Safari Park
16501 W. Northern Ave.
Litchfield Park, AZ 85340

Virginia Safari Park
229 Safari Lane
Natural Bridge, VA 24578

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Captive breeding is an important factor in conservation. Brights Zoo has been successful in breeding by following breeding recommendations from many organizations. We also participate in SSP's. We work alongside many AZA facilities, veterinarians and private facilities to ensure success in breeding each species. Our long-term goal is to be a leader in producing sound offspring for other zoos. Offspring produced from the breeding program will only go to USDA licensed facilities.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo uses ZIMS (Zoo aquarium animal management software). The software accesses a global database of animals from other participating zoos. The database allows us to pair up the right individuals for breeding purposes. For many of our species we participate in SSP programs and follow SSP recommendations.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Zero

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

N/A

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

N/A

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Maggie Trunack – Lead Zookeeper (Hoof Stock)

Maggie Trunack has more than ten years' experience as a zoo keeper and received a B.S. in Animal Behavior from Delaware Valley College (now Delaware Valley University) in Pennsylvania. Ms. Trunack has worked at Brights Zoo for six years and has been the Lead Keeper in charge of hoof stock for four years. She is also a public education specialist. Maggie is a former keeper at Cape May County Park and Zoo, and Zoo Miami. She also worked as an Animal Attendant at the Maryland Zoo in Baltimore. Maggie not only has extensive experience with hoof stock, she has previous experience with Callitrichidae – especially tamarins. She is a member of the Association of Zoos and Aquariums and the American Association of Zoo Keepers.

Kari Cochran – Zookeeper

Kari Cochran received a B.S. in Zoology and Wildlife Management from North Carolina State University in Raleigh, NC. She has 12 years of experience working with animals and has been a zookeeper at Brights Zoo since 2016 where she has worked in all areas of the zoo: hoof stock, birds, primates, reptiles, commissary and education.

Sheri Hickok - Zookeeper

Sheri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained

previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy’s zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

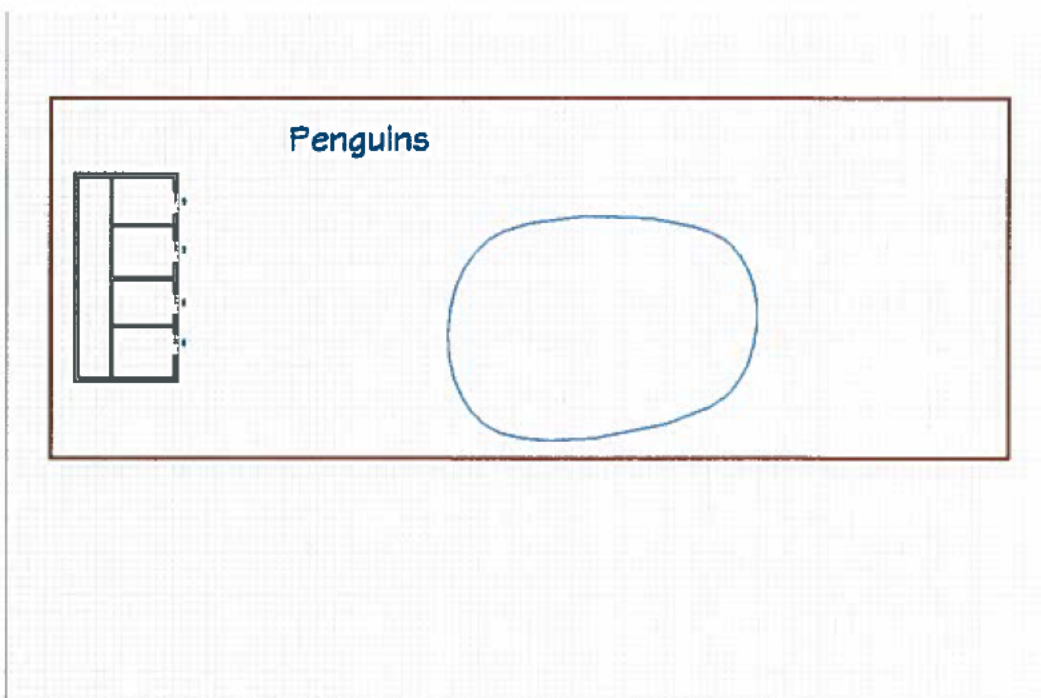
14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Rockwork: Made with Portland cement and stone, and is smooth on any surface the animal might use.

Natural Materials: - Trees (non-toxic to animals), plants (non-toxic to animals), and perches (made from locust tree branches).

Fencing: (two types of fence - steel pipe and welded wire fence, big game fence).

Enclosure: Designed for each animal individually.



Tapirus bairdii

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Tapirus bairdii (Baird's Tapir)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Currently unknown, but Brights Zoo participates in Tapir Taxon Advisory Group (TAG).

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Captive breeding is an important factor in conservation. Brights Zoo has been successful in breeding by following breeding recommendations from many organizations. We also participate in SSP's. We work alongside many AZA facilities, veterinarians and private facilities to ensure success in breeding each species. Our long-term goal is to be a leader in producing sound offspring for other zoos. Offspring produced from the breeding program will only go to USDA licensed facilities.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo uses ZIMS (Zoo aquarium animal management software). The software accesses a global database of animals from other participating zoos. The database allows us to pair up the right individuals for breeding purposes. For many of our species we participate in SSP programs and follow SSP recommendations.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Eight years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Zero births

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Kari Cochran – Zookeeper

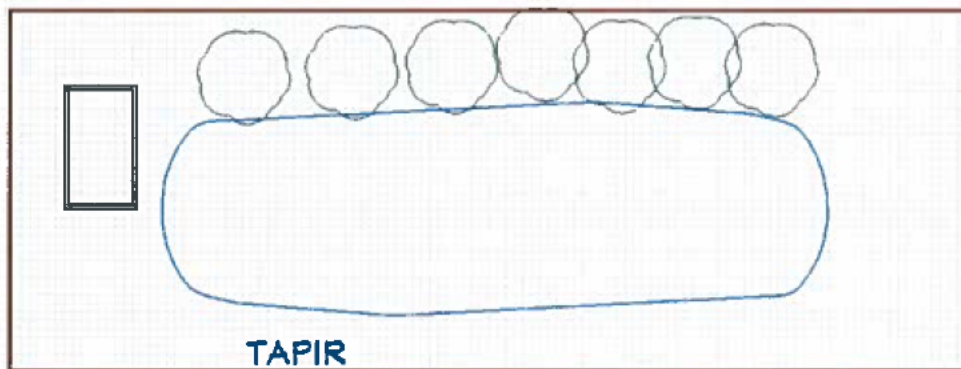
Kari Cochran received a B.S. in Zoology and Wildlife Management from North Carolina State University in Raleigh, NC. She has 12 years of experience working with animals and has been a zookeeper at Brights Zoo since 2016 where she has worked in all areas of the zoo: hoof stock, birds, primates, reptiles, commissary and education.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Natural Materials: - Trees (non-toxic to animals), plants (non-toxic to animals).

Fencing: 6' welded steel pipe and wire panel fence

Enclosure: One shed with a divider wall will is provided along with pond.



Saguinus oedipus

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Saguinus oedipus (Cotton-top Tamarin)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Washington Park Zoo
115 Lakeshore Drive
Michigan City, IN 46360

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Provide the proper enclosure, diet and enrichment to promote breeding of the species. Captive breeding is an important factor in conservation. Brights Zoo has been successful in breeding by following breeding recommendations from many organizations. We also participate in SSP's. We work alongside many AZA facilities, veterinarians and private facilities to ensure success in breeding each species. Our long-term goal is to be a leader in producing sound offspring for other zoos. Any offspring produced from the breeding program will either remain on zoo grounds or be placed in a zoo with proper permits and a USDA licensed facility.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo uses ZIMS (Zoo aquarium animal management software). The software accesses a global database of animals from other participating zoos. The database allows us to pair up the right individuals for breeding purposes. For many of our species we participate in SSP programs and follow SSP recommendations.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained golden-handed tamarins (*Saguinus midas*) for 7 years.

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Golden-handed Tamarins 2019 – 4 born and still living

Golden-handed Tamarins 2018 – 7 born and still living

Golden-handed Tamarins 2017 – 7 born and still living

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities within past 5 years.

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Hilda Angeles – Lead Zookeeper (Primates/Birds)

Hilda Anglos has twenty years' experience working as an animal keeper and is currently the head keeper at the zoo. Hilda is primarily responsible for tending birds and primates and also manages the commissary. She also acts as a veterinary technician observing sick animals and administering medicine when needed. She attended a course in "Avian management, Biology, and Conservation" in West Virginia. Hilda is also a member of Association of Zoos and Aquariums.

Sheri Hickok - Zookeeper

Sheri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

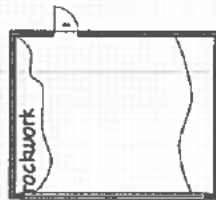
Rockwork: Made with Portland cement and stone, and is smooth on any surface the animal might use.

Natural Materials: - Plants (non-toxic to animals), and perches (made from locust tree branches).

Enclosure: Designed for each animal individually. Housed in the climate controlled, South America building. Floor is concrete, but a layer of mulch to protect from falls is provided. Climbing structures are artificial rockwork as well as locust branches.

South America Building: Large, indoor building containing 19 exhibits. Separate exhaust for each exhibit and each room designed as a unique space. A glass panel is between animal and guests, Rockwork is created for a natural look and to allow animals the space to use the exhibit vertically.

Cotton Top Tamarin



Chelonoidis nigra

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Chelonoidis nigra (Galapagos tortoise)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Unknown at this time.

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Provide a large yard and barn with proper diets. Captive breeding is an important factor in conservation. Brights Zoo has been successful in breeding by following breeding recommendations from many organizations. We also participate in SSP's. We work alongside many AZA facilities, veterinarians and private facilities to ensure success in breeding each species. Our long-term goal is to be a leader in producing sound offspring for other zoos. Any offspring produced from the breeding program will either remain on zoo grounds or be placed in a zoo with proper permits and a USDA licensed facility.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo uses ZIMS (Zoo aquarium animal management software). The software accesses a global database of animals from other participating zoos. The database allows us to pair up the right individuals for breeding purposes. For many of our species we participate in SSP programs and follow SSP recommendations.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained Aldabra giant tortoises (*Geochelone gigantea*) for six years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Zero births for Aldabra giant tortoises

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities for Aldabra giant tortoises

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Hilda Angeles – Lead Zookeeper (Primates/Birds)

Hilda Anglos has twenty years' experience working as an animal keeper and is currently the head keeper at the zoo. Hilda is primarily responsible for tending birds and primates and also manages the commissary. She also acts as a veterinary technician observing sick animals and administering medicine when needed. She attended a course in "Avian management, Biology, and Conservation" in West Virginia. Hilda is also a member of Association of Zoos and Aquariums.

Sheri Hickok - Zookeeper

Shri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Natural Materials: - Trees (non-toxic to animals) and plants (non-toxic to animals).

Fencing: Welded steel pipe and wire panel fence

Equus grevyi

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Equus grevyi (Grevy's zebra)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Unknown at this time, but Brights Zoo participates in the International Studbook for Grevy's zebra.

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Captive breeding is an important factor in conservation. Brights Zoo has been successful in breeding by following breeding recommendations from many organizations. We also participate in SSP's. We work alongside many AZA facilities, veterinarians and private facilities to ensure success in breeding each species. Our long-term goal is to be a leader in producing sound offspring for other zoos. Offspring produced from the breeding program will only go to USDA licensed facilities.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo uses ZIMS (Zoo aquarium animal management software). The software accesses a global database of animals from other participating zoos. The database allows us to pair up the right individuals for breeding purposes. For many of our species we participate in SSP programs and follow SSP recommendations.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Grevy's zebra – 8 years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Grevy's zebra 2016 – 1 birth and still living

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Maggie Trunack – Lead Zookeeper (Hoof Stock)

Maggie Trunack has more than ten years' experience as a zoo keeper and received a B.S. in Animal Behavior from Delaware Valley College (now Delaware Valley University) in Pennsylvania. Ms. Trunack has worked at Brights Zoo for six years and has been the Lead Keeper in charge of hoof stock for four years. She is also a public education specialist. Maggie is a former keeper at Cape May County Park and Zoo, and Zoo Miami. She also worked as an Animal Attendant at the Maryland Zoo in Baltimore. Maggie not only has extensive experience with hoof stock, she has previous experience with Callitrichidae – especially tamarins. She is a member of the Association of Zoos and Aquariums and the American Association of Zoo Keepers.

Kari Cochran – Zookeeper

Kari Cochran received a B.S. in Zoology and Wildlife Management from North Carolina State University in Raleigh, NC. She has 12 years of experience working with animals and has been a zookeeper at Brights Zoo since 2016 where she has worked in all areas of the zoo: hoof stock, birds, primates, reptiles, commissary and education.

Sheri Hickok - Zookeeper

Sheri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of

mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Natural Materials: - Trees (non-toxic to animals) and plants (non-toxic to animals).

Fencing: (two types of fence - steel pipe and welded wire fence, big game fence).

Enclosure: Large yard with barns/sheds to protect from elements. Space required is a minimum of 1 acre per animal pair. At least one shed with a divider wall will be provided.



Equus zebra hartmannae

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Equus zebra hartmannae (Hartmann's mountain zebra)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Unknown at this time

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Captive breeding is an important factor in conservation. Brights Zoo has been successful in breeding by following breeding recommendations from many organizations. We also participate in SSP's. We work alongside many AZA facilities, veterinarians and private facilities to ensure success in breeding each species. Our long-term goal is to be a leader in producing sound offspring for other zoos. Offspring produced from the breeding program will only go to USDA licensed facilities.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

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N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained Grevy's zebra for 8 years.
Brights Zoo has maintained Grant's zebra for 25 years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Grevy's zebra 2016 – 1 birth and still living
Grant's zebra 2018 – 1 birth and still living
Grant's zebra 2016 – 1 birth and still living
Grant's zebra 2014 – 1 birth and still living

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities for Grevy's zebra and zero mortalities for Grant's zebra in past 5 years

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Maggie Trunack – Lead Zookeeper (Hoof Stock)

Maggie Trunack has more than ten years' experience as a zoo keeper and received a B.S. in Animal Behavior from Delaware Valley College (now Delaware Valley University) in Pennsylvania. Ms. Trunack has worked at Brights Zoo for six years and has been the Lead Keeper in charge of hoof stock for four years. She is also a public education specialist. Maggie is a former keeper at Cape May County Park and Zoo, and Zoo Miami. She also worked as an Animal Attendant at the Maryland Zoo in Baltimore. Maggie not only has extensive experience with hoof stock, she has previous experience with Callitrichidae – especially tamarins. She is a member of the Association of Zoos and Aquariums and the American Association of Zoo Keepers.

Kari Cochran – Zookeeper

Kari Cochran received a B.S. in Zoology and Wildlife Management from North Carolina State University in Raleigh, NC. She has 12 years of experience working with animals and has been a zookeeper at Brights Zoo since 2016 where she has worked in all areas of the zoo: hoof stock, birds, primates, reptiles, commissary and education.

Sheri Hickok - Zookeeper

Sheri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures,

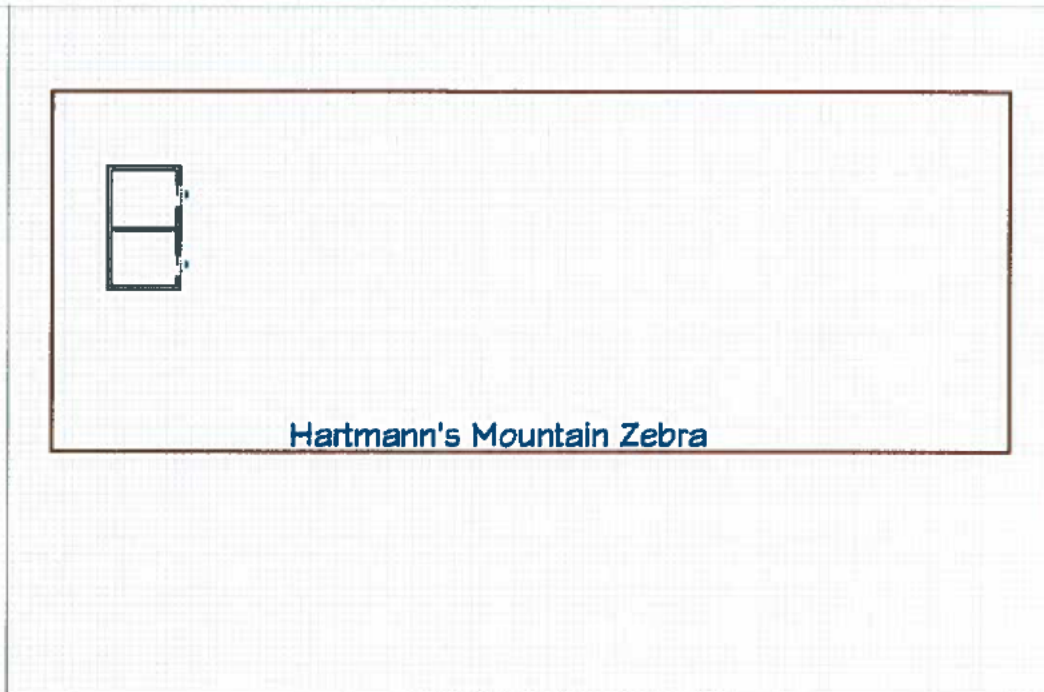
and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Natural Materials: - Trees (non-toxic to animals) and plants (non-toxic to animals).

Fencing: (two types of fence - steel pipe and welded wire fence, big game fence).

Enclosure: Large yard with barns/sheds to protect from elements. Space required is a minimum of 1 acre per animal pair. At least one shed with a divider wall will be provided.



Astrochelys radiata

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Astrochelys radiata (Radiated tortoise)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Unknown at this time

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Provide the proper enclosure and diet to ensure that tortoises are able to reproduce. Captive breeding is an important factor in conservation. Brights Zoo has been successful in breeding by following breeding recommendations from many organizations. We also participate in SSP's. We work alongside many AZA facilities, veterinarians and private facilities to ensure success in breeding each species. Our long-term goal is to be a leader in producing sound offspring for other zoos. Any offspring produced from the breeding program will either remain on zoo grounds or be placed in a zoo with proper permits and a USDA licensed facility.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo uses ZIMS (Zoo aquarium animal management software). The software accesses a global database of animals from other participating zoos. The database allows us to pair up the right individuals for breeding purposes. For many of our species we participate in SSP programs and follow SSP recommendations.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained Red-footed tortoises (Chlenodois Carbonaria) for one year

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

No births

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

No mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Hilda Angeles – Lead Zookeeper (Primates/Birds)

Hilda Anglos has twenty years' experience working as an animal keeper and is currently the head keeper at the zoo. Hilda is primarily responsible for tending birds and primates and also manages the commissary. She also acts as a veterinary technician observing sick animals and administering medicine when needed. She attended a course in "Avian management, Biology, and Conservation" in West Virginia. Hilda is also a member of Association of Zoos and Aquariums.

Sheri Hickok - Zookeeper

Shri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Rockwork: Made with Portland cement and stone, and is smooth on any surface the animal might use.

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

10 years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

White-handed gibbon 2018 – 1 birth and still living

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

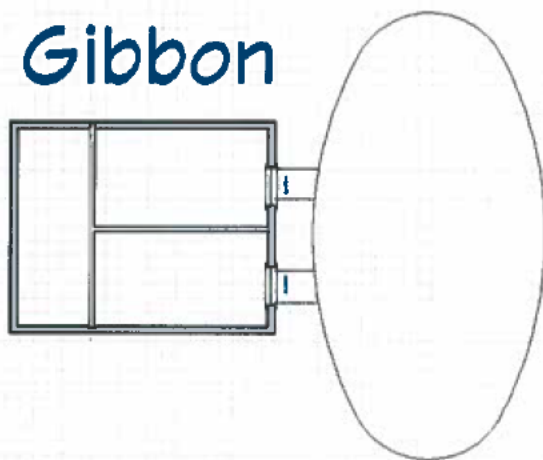
Connie Bright – Head Zookeeper

Connie Bright has 40 years' experience caring for animals. In 1980, Mrs. Bright was a co-owner in Brights Farm and tended race horses, wallabies, and ostriches. In 1995, Brights Farm began acquiring hoof stock such as Grant's zebras and addax, and primates like lemurs and spider monkeys; Connie was the primary caretaker for all of them. When Brights Farm became Brights Zoo in 2004, Connie Bright oversaw the care of each new species that was acquired and has continued to do so up to the present.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Enclosure: Baylen cages are used to house White-handed gibbon. Locust trees, ropes and fire hoses are used for climbing structures. Inside access is to climate-controlled building with proper lighting. Outside area contains partial cover to protect from rain and sun as well as free choice access to building

Gibbon





Permit Number: 80701A

Date Effective: 05/01/2019 Date Expires: 04/30/2020

Issuing Office:

Department of the Interior
U.S. FISH AND WILDLIFE SERVICE
Office of Law Enforcement
1875 Century Boulevard, Suite 380
Atlanta, GA 30345
Tel: 404-679-7195
Email: permitsEastLE@fws.gov

**Darlene
Addison**

Legal Instruments Examiner

Digitally signed by
Darlene Addison
Date: 2019.03.04
10:55:19 -05'00'

Permittee:

**BAI / BRIGHTS ZOO
3425 HWY 11E
LIMESTONE, TN 37681 US**

Principal Officer: TONY NMN BRIGHT , OWNER

Authority - Statutes and Regulations: 16 USC 1538(d); 50 CFR 13; 50 CFR 14

Location where authorized activity may be conducted: Any Designated Port per 50 CFR 14 (unless further restricted below).

Reporting Requirements: Licensee is required to maintain records per 50 CFR 13 and 14. Acceptance of this license authorizes inspection of records per 50 CFR 13.

Conditions and Authorizations:

- A. General conditions set out in Subpart D of 50 CFR 13, and specific conditions contained in federal regulations cited above, are hereby made a part of this permit. All activities authorized herein must be carried out in accord with and for the purposes described in the application submitted. Continued validity, or renewal, of this permit is subject to complete and timely compliance with all applicable conditions, including the filing of all required information and reports.
- B. The validity of this permit is also conditioned upon strict observance of all applicable foreign, state, local, tribal, or other federal law.
- C. Valid for use by permittee named above.
- D. Licensee is responsible for requesting renewal of license at least 30 days prior to the expiration date as outlined in 50 CFR 13. Service Law Enforcement Officers will not clear shipments presented for import or export under expired licenses.
- E. Licensee is authorized to import/export wildlife and/or wildlife products at the port(s) specified above.
- F. Licensee must comply with all Import/export procedures as outlined in 50 CFR 14.



Permit Number: 80701A
Date Effective: 05/01/2018 Date Expires: 04/30/2019

Issuing Office:

Department of the Interior
U.S. FISH AND WILDLIFE SERVICE
Office of Law Enforcement
1875 Century Boulevard, Suite 380
Atlanta, GA 30345
Tel: 404-678-7195
Email: permitsEastLE@fws.gov

| | |
|---|--|
| JENNIE MCALLISTER <i>Legal Instruments Examiner</i> | Digitally signed by JENNIE MCALLISTER Date: 2018.04.09 13:17:18 -05'00' |
|---|--|

Permittee:

BAI / BRIGHTS ZOO
3425 HWY 11E
LIMESTONE, TN 37881 US

Principal Officer: DALE ANTHONY BRIGHT , OWNER

Authority - Statutes and Regulations: 16 USC 1538(d); 50 CFR 13; 50 CFR 14

Location where authorized activity may be conducted: Any Designated Port per 50 CFR 14 (unless further restricted below).

Reporting Requirements: Licensee is required to maintain records per 50 CFR 13 and 14. Acceptance of this license authorizes inspection of records per 50 CFR 13.

Conditions and Authorizations:

- A. General conditions set out in Subpart D of 50 CFR 13, and specific conditions contained in federal regulations cited above, are hereby made a part of this permit. All activities authorized herein must be carried out in accord with and for the purposes described in the application submitted. Continued validity, or renewal, of this permit is subject to complete and timely compliance with all applicable conditions, including the filing of all required information and reports.
- B. The validity of this permit is also conditioned upon strict observance of all applicable foreign, state, local, tribal, or other federal law.
- C. Valid for use by **permittee** named above.
- D. Licensee is responsible for requesting renewal of license at least 30 days prior to the expiration date as outlined in 50 CFR 13. Service Law Enforcement Officers will not clear shipments presented for import or export under expired licenses.
- E. Licensee is authorized to import/export wildlife and/or wildlife products at the port(s) specified above.
- F. Licensee must comply with all import/export procedures as outlined in 50 CFR 14.



DEPARTMENT OF THE INTERIOR
U.S. FISH AND WILDLIFE SERVICE

FEDERAL FISH AND WILDLIFE PERMIT

1 PERMITTEE

BRIGHTS ZOO
3425 HWY 11E
LIMESTONE, TN 37681
U.S.A.

2 AUTHORITY-STATUTES

16 USC 1533 (d)
16 USC 1539 (a)

REGULATIONS
50 CFR 17.21 (g)

3 NUMBER

MA189400-0

4 RENEWABLE

☒ YES
☐ NO

5 MAY COPY

☒ YES
☐ NO

6 EFFECTIVE

04/22/2013

7 EXPIRES

04/22/2018

8 NAME AND TITLE OF PRINCIPAL OFFICER (If not a business)

DALE TONY BRIGHT
CEO/OWNER

9 TYPE OF PERMIT

CAPTIVE-BRED WILDLIFE REGISTRATION

10 LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED

WITHIN THE UNITED STATES

11 CONDITIONS AND AUTHORIZATIONS

A. GENERAL CONDITIONS SET OUT IN SUBPART D OF 50 CFR 13, AND SPECIFIC CONDITIONS CONTAINED IN FEDERAL REGULATIONS CITED IN BLOCK #2 ABOVE, ARE HEREBY MADE A PART OF THIS PERMIT. ALL ACTIVITIES AUTHORIZED HEREIN MUST BE CARRIED OUT IN ACCORD WITH AND FOR THE PURPOSES DESCRIBED IN THE APPLICATION SUBMITTED. CONTINUED VALIDITY, OR RENEWAL, OF THIS PERMIT IS SUBJECT TO COMPLETE AND TIMELY COMPLIANCE WITH ALL APPLICABLE CONDITIONS, INCLUDING THE FILING OF ALL REQUIRED INFORMATION AND REPORTS.

B. THE VALIDITY OF THIS PERMIT IS ALSO CONDITIONED UPON STRICT OBSERVANCE OF ALL APPLICABLE FOREIGN, STATE, LOCAL, TRIBAL, OR OTHER FEDERAL LAW.

C. VALID FOR USE BY PERMITTEE NAMED ABOVE.

D. Acceptance of this permit serves as evidence that the permittee is registered under 50 CFR 17.21(g), and that the permittee understands and agrees to abide by the special Conditions for Captive-bred Wildlife Registration as specified by the Division of Management Authority (copy enclosed).

E. Authorized to take for normal husbandry practices; deliver, receive, carry, transport or ship in interstate commerce, for the purpose of enhancement of propagation, any Endangered or Threatened wildlife that is bred in captivity in the United States, that has a natural geographic distribution not including any part of the United States and that is taxonomically included in the families Bovidae, Lemnidae, Tapiridae and Gruidae, and in the species Grevy's zebra (*Equus grevyi*), Hartmann's Mt. zebra (*Equus hartmannae*), White-handed gibbon (*Hylobates lar*), radiated tortoise (*Astrochelys radiata*) and Galapagos tortoise (*Chelonoides nigra*).

☒ ADDITIONAL CONDITIONS AND AUTHORIZATIONS ALSO APPLY

12 REPORTING REQUIREMENTS

ANNUAL REPORT DUE: 03/31

SEE "SPECIAL CONDITIONS FOR CAPTIVE-BRED WILDLIFE REGISTRATIONS"

SEE "SPECIAL CONDITION 11" FOR ANNUAL REPORTING REQUIREMENTS.

ISSUED BY

TITLE

CHIEF, BRANCH OF PERMITS, DMA

DATE

04/22/2013



BRIGHTS ZOO
USDA 63-C-0189
3425 Hwy 11E
Limestone, TN 37681
www.brightszoo.com

RCVD JAN 30 2018

January 24, 2018

U.S. Fish and Wildlife Service
Division of Management Authority
Branch of Permits, MS: IA
5275 Leesburg Pike
Falls Church, VA 22041-3803

Dear Sir or Madam,

The BrightsZoo possesses a CBW, MA189400-0, allowing us to purchase certain listed endangered species in interstate commerce. Please find the information below as a summary for the past calendar year, 2016.

1. Number of CBW species born in 2017 and survived for 30 days or longer. **1 White Handed Gibbon**
2. Number of CBW species that died in 2017 and why. **0**
3. Number of CBW species sold in 2017 and the recipients' CBW #. **0**
4. Number of CBW species purchased in 2017 and the source's CBW#. **0**
5. Number of CBW species acquired through other means (loan, trade, donation) and from whom. **0**
6. Number of CBW species transferred to others by loan, trade and donation and to whom. **0**
7. My current inventory of Endangered and Threatened species as of 1.1.2018 is:
Grevy Zebras 2
White Handed Gibbons 5

Sincerely,

1/24/2018

Tony Bright

Email: tony@brightszoo.com

Mobile: 423-426-6528

Fax#: 423-257-1999

BRIGHTS ZOO
3425 HWY 11E
LIMESTONE, TN 37681
WWW.BRIGHTSZOO.COM
423-426-6528

01-04-2016

Received on
Jan 8th
2016
(LS)

U.S. Fish and Wildlife Service
Division of Management Authority
Branch of Permits, MS: IA
5275 Leesburg Pike
Falls Church, VA 22041-3803

Dear Sir or Madam,

Brights Zoo possesses a CBW, MA189400-0, allowing us to purchase certain listed endangered species in interstate commerce. Please find the information below as a summary for the past calendar year, 2015.

1. Number of CBW species born in 2015 and survived for 30 days or longer. \emptyset
2. Number of CBW species that died in 2015 and why. \emptyset
3. Number of CBW species sold in 2015 and the recipients' CBW #. \emptyset
4. Number of CBW species purchased in 2015 and the source's CBW#. \emptyset
5. Number of CBW species acquired through other means (loan, trade, donation) and from whom. \emptyset
6. Number of CBW species transferred to others by loan, trade and donation and to whom. \emptyset
7. My current inventory of Endangered and Threatened species as of 1.1.2016 is: 5

Sincerely,

Nicole Wright

Name

1-4-16

Date

Nicole Wright
Registrar
nicole@brightszoo.com
423-257-1900 ext 221

January 5, 2015

U.S. Fish and Wildlife Service
Division of Management Authority
Branch of Permits, MS: IA
5275 Leesburg Pike
Falls Church, VA 22041-3803

RCVD JAN 08 2015

Dear Sir or Madam,

The Brights Zoo possesses a CBW, MA189400-0, allowing us to purchase certain listed endangered species in interstate commerce. Please find the information below as a summary for the past calendar year, 2014.

1. Number of CBW species born in 2014 and survived for 30 days or longer. None
2. Number of CBW species that died in 2014 and why. None
3. Number of CBW species sold in 2014 and the recipients' CBW #. None
4. Number of CBW species purchased in 2014 and the source's CBW#. None
5. Number of CBW species acquired in other means (loan, trade, donation) and from whom. None
6. Number of CBW species transferred to others by loan, trade and donation and to whom. None

Sincerely,

Tony Bright
Name

1-5-15
Date

RCVD MAR 05 2020

LB

To:
U.S. Fish and Wildlife Service
Division of Management Authority
Branch of Permits, MS: IA
5275 Leesburg Pike
Falls Church, VA 22041-3803
1-800-358-2104



From:
Tony Bright
3425 HWY 11 E
Limestone, TN 37681
423-426-6528
tonyb@brightszoo.com

To whom it may concern,

I am writing today in regards to CBW permit #51201D that was submitted on the first of August and received by Fish and Wildlife Services on August 13, 2019, almost 7 months ago.

We did check and receive an email on Nov 22, 2019 of the progress of this CBW and the email stated that our application was under review at that time. We also checked again in January over the phone and was told Caroline was reviewing our application at that time. We tried to call in on March 3, 2020 to check on the status but was unable to reach anyone.

During the application process it states that it takes between 30 and 90 days to process an application.

I would like to compliment you on the eLicense for import/export license. It works very well and is fast.

Brights Zoo is a for profit business and the lack of this permit is causing us delays in being able to do some of our normal animal transactions.

Thank You,


Tony Bright, Brights Zoo



BRIGHTS ZOO
3425 HWY 11E
Limestone, TN 37681
(423) 257-1927

March 9, 2020

Caroline Harlow
Biologist
Division of Management Authority
Branch of Permits MS:IA
5275 Leesburg Pike
Falls Church, VA 22041

RCVD MAR 11 2020 (LB)

Dear Ms. Harlow:

I am the owner of Brights Zoo, and am writing in response to your email, sent March 6, 2020 at 8:52 AM. Enclosed is the text from your original email as well as an addendum for Attachments A-H containing the additional permit information you requested. Also included are new attachments demonstrating Brights Zoo membership in the Baird's Tapir SSP and the International studbook for Grevy's zebra.

I trust that the additional information contained in the revised attachments will answer the questions you sent in the email. Please let me know if any additional application information is needed to approve the permit.

Sincerely,

Tony Bright
Owner
Brights Zoo
Limestone, Tennessee (USA)
www.brightszoo.com

Enclosures

1. Original email response from Caroline Harlow, Biologist, Division of Management Authority, Branch of Permits MS:IA
2. Brights Zoo Attachment 1-A Addendum
3. Brights Zoo Attachment 1-B Addendum

4. Brights Zoo Attachment 1-C Addendum
5. Brights Zoo Attachment 1-D Addendum
6. Brights Zoo Attachment 1-E Addendum
7. Brights Zoo Attachment 1-F Addendum
8. Brights Zoo Attachment 1-G Addendum
9. Brights Zoo Attachment 1-H Addendum
10. Brights Zoo Participation in Baird's Tapir SSP
11. Brights Zoo Participation in International studbook for Grevy's zebra

Original Email from Caroline Harlowe, Biologist, Division of Management
Authority, Branch of Permits MS:IA

From: Harlow, Caroline I [mailto:caroline_harlow@fws.gov]
Sent: Friday, March 6, 2020 6:34 AM
To: tonyb@brightszoo.com
Subject: 51201D

Mr. Bright:

Please accept my apologies for not responding back to you; I have been working on a time-sensitive project and I have gotten further behind in my review of applications.

I was able to locate your original file so that I could review that as well and I have some additional information I need prior to publishing your application in the Federal Register for the required 30 day comment period.

Thank you for providing diagrams and a description of your facilities however, there are no dimensions or photographs of the facilities. Question 14 asks for detailed diagrams and photos, details would include dimensions and photos that are needed to complete the file. Please provide a photo of each animal's enclosure and include dimensions with the photo.

The brief resumes for some caretakers did not reference specific species for which the caretakers worked. Stating that a caretaker worked with hoofstock and reptiles is too broad for the purposes of this application. Please submit brief, but specific, resumes of the caretakers.

You provided no source for Galapagos tortoise, Grevy's zebra, Hartmann's mountain zebra, radiated tortoise, or lar gibbon. You do indicate that you work with breeding programs for these species however, you provided no documentation of your participation. If there is an SSP which you participate in, please provide the executive summary for those species and the page that identifies your facility's participation and role. If there is a studbook that you participate in, provide documentation on your role in those studbooks. How might your facility participate, particularly if you do not currently have animals for that species? If there are programs being developed, for what species are these plans being developed, when is the plan expected to be developed, and what will your role be in those plans?

You reported successful births for both Grevy's zebra and lar gibbon, how are these animals being used in the organized breeding programs you participate in? Are you recommended for further breeding with these groups? Will any of these animals be transferred to other participating facilities for breeding purposes?

You reported holding Baird's tapir for 8 years with no reported breeding. Is this due to a TAG recommendation? If not, to what do you attribute to your lack of success?

I look forward to hearing back from you so that I can finally move forward with your application.

In accordance with 50 CFR 13.11(e), if the requested information is not received by this office by April 20, 2020, 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.

Thank you,

Caroline Harlow
Biologist
Division of Management Authority
Branch of Permits MS:IA
5275 Leesburg Pike
Falls Church, VA 22041

Spheniscus demersus

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Spheniscus demersus (African Penguin)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Wildlife World Zoo, Aquarium, & Safari Park
16501 W. Northern Ave.
Litchfield Park, AZ 85340

Virginia Safari Park
229 Safari Lane
Natural Bridge, VA 24578

Tanganyika Wildlife Park
1000 S. Hawkins Ln
Goddard, KS 67052

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Brights Zoo has asked Steve Sarro, the SSP coordinator of the Penguin SSP, to join. Part of the process for joining the SSP is to become a Sustainability Partner, and the zoo has begun this process and is hopeful to be accepted in 2020. Our African Penguin breeding program will be administered per the breeding recommendations of the SSP, as well as any progeny produced in the breeding program.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo will ensure genetic vitality in our African Penguin breeding program by following the recommendations of the Penguin SSP.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Zero

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

N/A

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

N/A

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Shania Farney – Zookeeper

Shania Farney received a B.S. in Biology and Zoology from Fort Hays State University in Hays, Kansas. She has 2 years of experience working with birds and domestic animals and has been a zookeeper at Brights Zoo since 2019 where she has worked with primarily birds, reptiles and primates.

Relevant Penguin Experience

- 2 years' experience caring for African Penguins at Dakota Zoo in Bismarck, North Dakota

Maxine Price - Zookeeper

Maxine Price has more than ten years of animal husbandry and wildlife education experience. Ms. Price gained well rounded experience in animal husbandry and education program development at several institutions and her experience includes birds, felines, small mammals, and gorillas. Maxine joined the Brights Zoo keeper staff in 2019.

- Riverbanks Zoo & Gardens, Columbia SC
- Panther Ridge Conservation Center, Wellington, FL
- Avalo Cat Sanctuary
- Amelia Island Nature Center at Omni Resorts
- Feathered Friends Forever
- Sunshine Exotics

Relevant Penguin Experience

- 1 year of experience as swing keeper for penguins

David Bright – Zoo Director

David Bright became the Zoo Director at Brights Zoo in 2004 and is responsible for staff management as well as overseeing planning, organization, direction and execution of all Zoo programs and activities. His experience includes planning, design, construction of animal enclosures, and leads Brights Zoo's involvement in national and international collaborations to support endangered species and natural areas.

Relevant Penguin Experience

- Participated in 3-day keeper exchange program with National Aviary which included penguin husbandry

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

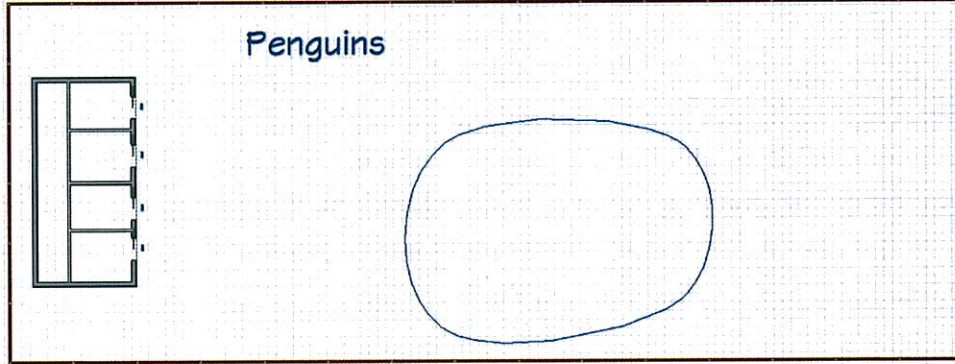
Penguin enclosure is proposed as construction has not begun on the exhibit. Construction is planned to start during the third week in March and is expected to be completed in 3 weeks.

Rockwork: Made with Portland cement and stone and is smooth on any surface the animal might use.

Natural Materials: - Trees (non-toxic to animals), plants (non-toxic to animals), and perches (made from locust tree branches).

Fencing: (two types of fence - steel pipe and welded wire fence, big game fence).

Proposed Enclosure: Designed for each animal individually. Size: 50 x 100



Tapirus bairdii

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Tapirus bairdii (Baird's Tapir)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Brights Zoo is currently contacting other members of the Baird's Tapir SSP in search of a suitable breeding female to pair with the existing male, per the recommendations of the AZA SSP for our facility. At this time, the source institution is unknown.

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Brights Zoo is a member of the Baird's Tapir SSP. Decisions on short and long-term goals, along with the disposition of any progeny will be made according to the SSP recommendations. (See Attachment 2-A containing documentation for Brights Zoo participation in the SSP.)

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo participates in the Baird's Tapir SSP and genetic vitality is governed by the program's recommendations. (See Attachment 2-A containing documentation for Brights Zoo participation in the SSP.)

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Eight years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Zero births

The Association of Zoos and Aquariums (AZA) sent us 1.0 Baird's tapir in 2012 to hold until the specimen was higher on the list of scheduled breeders for the SSP. He is now a designated breeder, so Brights Zoo is in the process of becoming an AZA Sustainability partner in order to receive a female for breeding purposes.

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Maggie Trunack – Lead Zookeeper (Hoof Stock)

Maggie Trunack has more than ten years' experience as a zoo keeper and received a B.S. in Animal Behavior from Delaware Valley College (now Delaware Valley University) in Pennsylvania. Ms. Trunack has worked at Brights Zoo for six years and has been the Lead Keeper in charge of hoof stock for four years. She is also a public education specialist. Maggie is a former keeper at Cape May County Park and Zoo, and Zoo Miami. She also worked as an Animal Attendant at the Maryland Zoo in Baltimore. Maggie not only has extensive experience with hoof stock, she has previous experience with Callitrichidae – especially tamarins. She is a member of the Association of Zoos and Aquariums and the American Association of Zoo Keepers.

Relevant Tapir Experience

- 6 years' experience caring for Baird's Tapir at Brights Zoo
- 4 years' experience with South American Tapirs at Brights Zoo.

Kari Cochran – Zookeeper

Kari Cochran received a B.S. in Zoology and Wildlife Management from North Carolina State University in Raleigh, NC. She has 12 years of experience working with animals and has been a zookeeper at Brights Zoo since 2016 where she has worked in all areas of the zoo: hoof stock, birds, primates, reptiles, commissary and education.

Relevant Tapir Experience

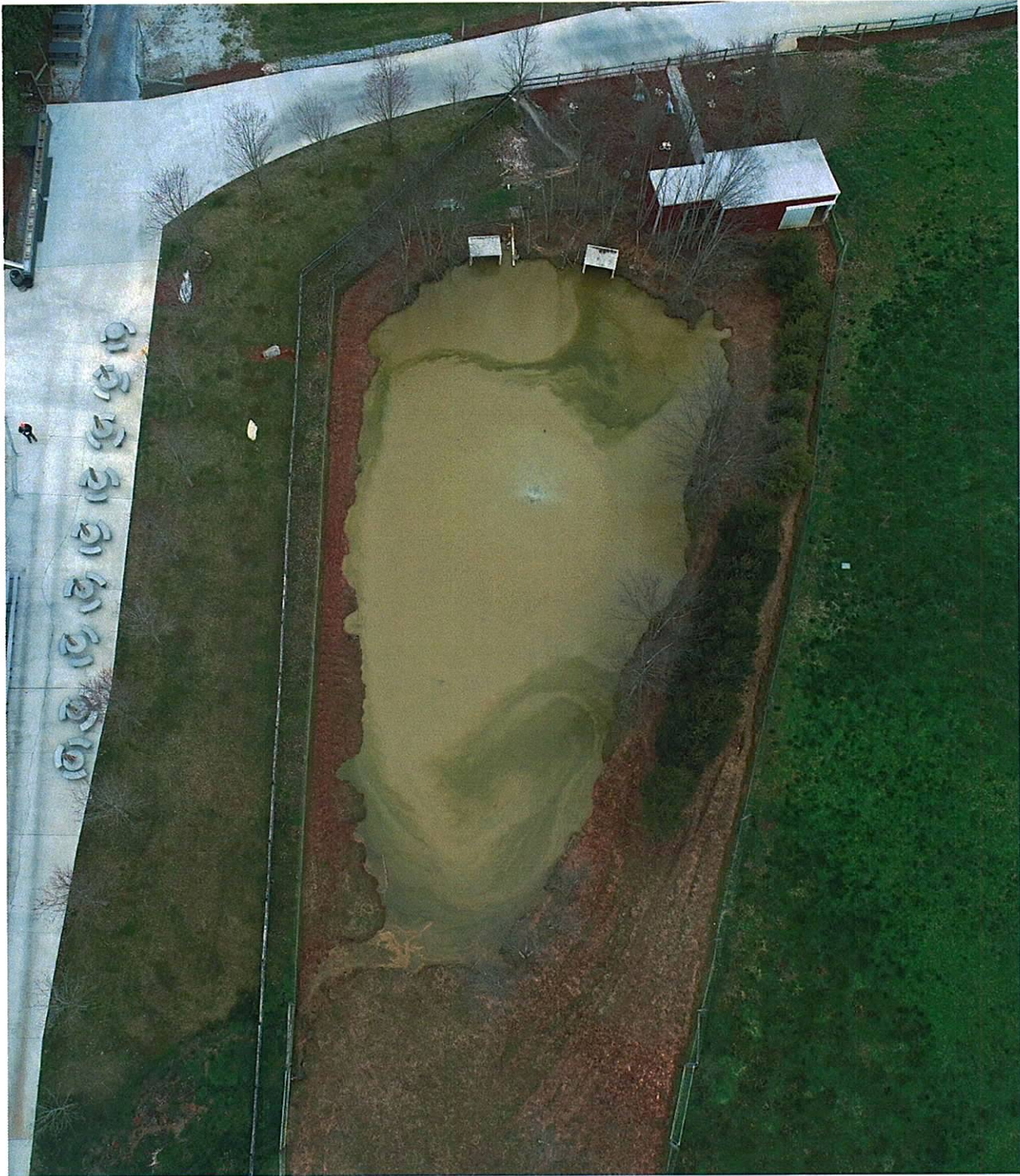
- 4 years' experience caring for Baird's Tapir at Brights Zoo
- 2 years' experience with South American Tapirs at Brights Zoo.

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

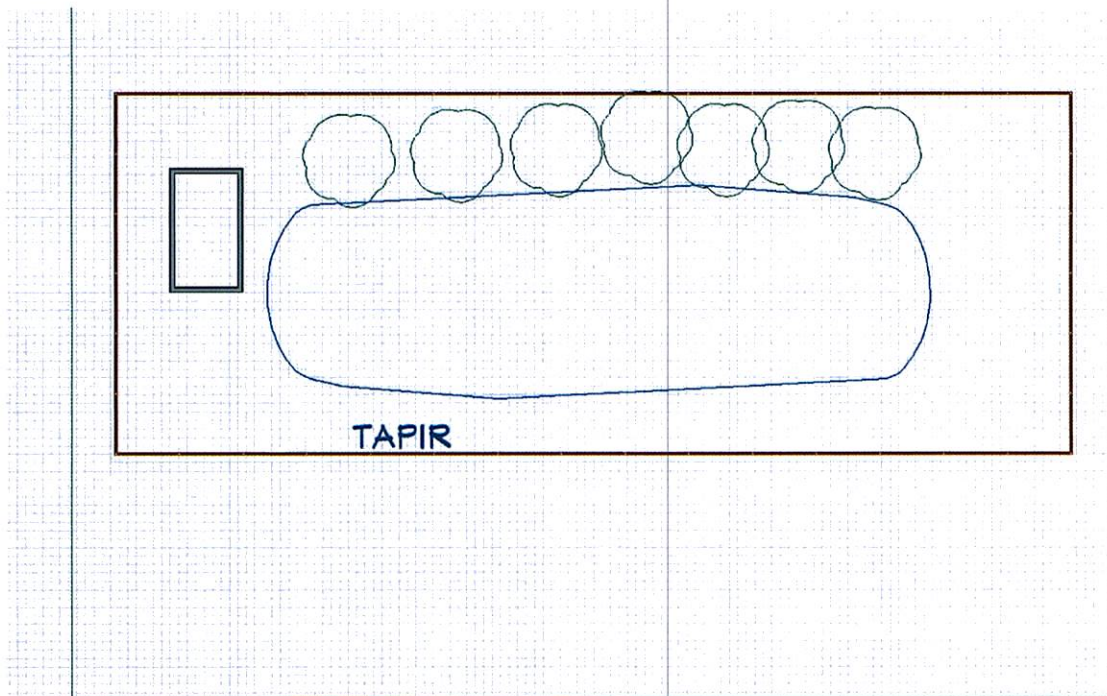
Natural Materials: - Trees (non-toxic to animals), plants (non-toxic to animals).

Fencing: 6' welded steel pipe and wire panel fence

Enclosure: One shed with a divider wall will is provided along with pond. Yard: 230 x 70; Heated Barn: 15 x 30



Yard: 230 x 70; Heated Barn: 15 x 30



Saguinus oedipus

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Saguinus oedipus (Cotton-top Tamarin)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Washington Park Zoo
115 Lakeshore Drive
Michigan City, IN 46360

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

The troop of Cotton-top Tamarins are not breeding age currently. In two years, as the tamarins approach breeding age, Brights Zoo plans to join the Cotton-top SSP. The current coordinator is Rebecca Phillips of Disney Animal Kingdom. Our Cotton-top Tamarin breeding program will be administered per the breeding recommendations of the SSP, as well as any progeny produced in the breeding program.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo will ensure genetic vitality in our Cotton-top Tamarin breeding program by following the recommendations of the Cotton-top SSP.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained golden-handed tamarins (*Saguinus midas*) for 7 years.

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Golden-handed Tamarins 2019 – 4 born and still living

Golden-handed Tamarins 2018 – 7 born and still living

Golden-handed Tamarins 2017 – 7 born and still living

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities within past 5 years.

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Hilda Angeles – Lead Zookeeper (Primates/Birds)

Hilda Anglos has twenty years' experience working as an animal keeper and is currently the head keeper at the zoo. Hilda is primarily responsible for tending birds and primates and manages the commissary. She also acts as a veterinary technician observing sick animals and administering medicine when needed. She attended a course in "Avian management, Biology, and Conservation" in West Virginia. Hilda is also a member of Association of Zoos and Aquariums.

Relevant Tamarin Experience

- 1 year of experience caring for Cotton-top Tamarins at Brights Zoo
- 7 years' experience tending to Golden-handed Tamarin colony at Brights Zoo

Sheri Hickok - Zookeeper

Shri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

Relevant Tamarin Experience

- 1 year of experience caring for Cotton-top Tamarins at Brights Zoo

- 5 years' experience tending to Golden-handed Tamarin colony at Brights Zoo

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Rockwork: Made with Portland cement and stone and is smooth on any surface the animal might use.

Natural Materials: - Plants (non-toxic to animals), and perches (made from locust tree branches).

Enclosure: Designed for each animal individually. Housed in the climate controlled, South America building. Floor is concrete, but a layer of mulch to protect from falls is provided. Climbing structures are artificial rockwork as well as locust branches.

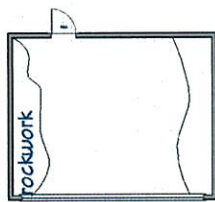
South America Building: Large, indoor building containing 19 exhibits. Separate exhaust for each exhibit and each room designed as a unique space. A glass panel is between animal and guests, Rockwork is created for a natural look and to allow animals the space to use the exhibit vertically.

Climate Controlled Heated Enclosure: 10 x 10



Climate Controlled Enclosure: 10 x 10

Cotton Top Tamarin



Chelonoidis nigra

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Chelonoidis nigra (Galapagos tortoise)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Source institution for Galapagos Tortoise is unknown currently. Brights Zoo Director has contacted the Galapagos Tortoise SSP coordinator, Ashley Nicole Ortega. Our facility plans to join the Galapagos Tortoise SSP when we receive our first specimens.

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Brights Zoo is planning to join the Galapagos Tortoise SSP, currently coordinated by Ashley Nicole Ortega, as soon as we receive our first Galapagos tortoises. Our Galapagos Tortoise breeding program will be administered per the breeding recommendations of the SSP, as well as any progeny produced in the breeding program.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo will ensure genetic vitality in our Galapagos Tortoise breeding program by working with the Gladys Porter Zoo to identify and acquire appropriate breeding specimens. The breeding program will follow the recommendations of the Galapagos Tortoise SSP.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained Aldabra giant tortoises (*Geochelone gigantea*) for six years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Zero births for Aldabra giant tortoises

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities for Aldabra giant tortoises

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Hilda Angeles – Lead Zookeeper (Primates/Birds)

Hilda Anglos has twenty years' experience working as an animal keeper and is currently the head keeper at the zoo. Hilda is primarily responsible for tending birds and primates and manages the commissary. She also acts as a veterinary technician observing sick animals and administering medicine when needed. She attended a course in "Avian management, Biology, and Conservation" in West Virginia. Hilda is also a member of Association of Zoos and Aquariums.

Relevant Tortoise Experience

- 6 years' experience caring for Aldabra Tortoises at Brights Zoo
- 14 years' experience tending to African Spurred Tortoises at Brights Zoo

Sheri Hickok - Zookeeper

Shri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

Relevant Tortoise Experience

- 5 years' experience caring for Aldabra Tortoises at Brights Zoo

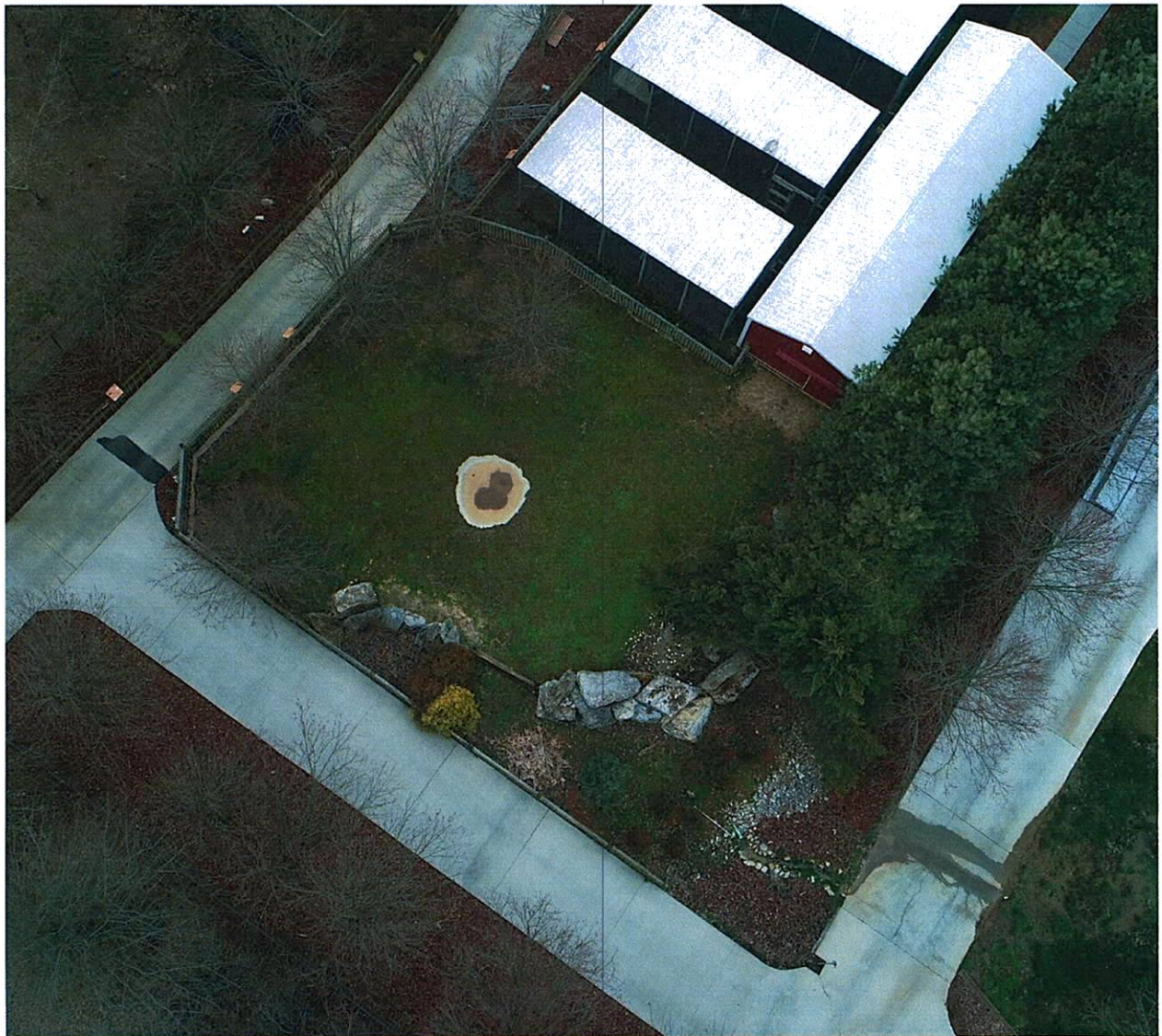
- 5 years' experience tending to African Spurred Tortoises at Brights Zoo

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

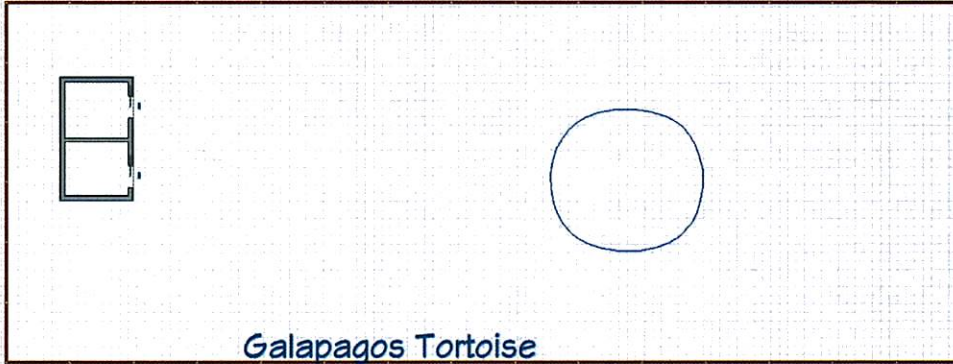
Natural Materials: - Trees (non-toxic to animals) and plants (non-toxic to animals).

Fencing: Welded steel pipe and wire panel fence

Building provides reproduced sunlight. Flooring is heated concrete inside building for easy cleaning along with stall mats. Outside area has a shallow wading pool for tortoises. Ground is natural substrate. Yard: 70 x 70; Heated Barn for tortoise are is 15 x 15.



Yard: 70 x 70; Heated Barn: 15 x 15



Equus grevyi

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Equus grevyi (Grevy's zebra)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Brights Zoo is currently contacting participants in the *International studbook for Grevy's zebra* for suitable specimens for acquisition. At this time, the source institution is unknown. (See Attachment 3-A containing documentation for Brights Zoo participation in *International studbook for Grevy's zebra*.)

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Brights Zoo's Grevy's Zebra breeding program is be administered per the breeding recommendations from the *International studbook for Grevy's zebra*, as well as progeny produced in the breeding program.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo ensures genetic vitality in our Grevy's Zebra breeding program by working with the institutions participating in the *International studbook for Grevy's zebra* to identify and procure appropriate, genetically diverse specimens.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Grevy's zebra – 8 years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Grevy's zebra 2016 – 1 birth and still living

Additional breeding recommendations as well as the disposition of existing and future progeny are directed by the consensus of participating institutions in the International studbook for Grevy's zebra.

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Maggie Trunack – Lead Zookeeper (Hoof Stock)

Maggie Trunack has more than ten years' experience as a zoo keeper and received a B.S. in Animal Behavior from Delaware Valley College (now Delaware Valley University) in Pennsylvania. Ms. Trunack has worked at Brights Zoo for six years and has been the Lead Keeper in charge of hoof stock for four years. She is also a public education specialist. Maggie is a former keeper at Cape May County Park and Zoo, and Zoo Miami. She also worked as an Animal Attendant at the Maryland Zoo in Baltimore. Maggie not only has extensive experience with hoof stock, she has previous experience with Callitrichidae – especially tamarins. She is a member of the Association of Zoos and Aquariums and the American Association of Zoo Keepers.

Relevant Zebra Experience

- 6 years' experience caring for Grevy's Zebra at Brights Zoo
- 6 years' experience tending Grant's Zebra at Brights Zoo

Kari Cochran – Zookeeper

Kari Cochran received a B.S. in Zoology and Wildlife Management from North Carolina State University in Raleigh, NC. She has 12 years of experience working with animals and has been a zookeeper at Brights Zoo since 2016 where she has worked in all areas of the zoo: hoof stock, birds, primates, reptiles, commissary and education.

Relevant Zebra Experience

- 4 years' experience caring for Grevy's Zebra at Brights Zoo

- 4 years' experience tending Grant's Zebra at Brights Zoo

Sheri Hickok - Zookeeper

Sheri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

Relevant Zebra Experience

- 8 years' experience caring for Grevy's Zebra between Jacksonville Zoo and Brights Zoo
- 5 years' experience tending Grant's Zebra at Brights Zoo

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Natural Materials: - Trees (non-toxic to animals) and plants (non-toxic to animals).

Fencing: (two types of fence - steel pipe and welded wire fence, big game fence).

Enclosure: Large yard with barns/sheds to protect from elements. Space required is a minimum of 1 acre per animal pair. Shed with divider wall ill is provided. Yard: 250 x 120; Shed: 15 x 30



Yard: 250 x 120; Shed: 15 x 30



Equus zebra hartmannae

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Equus zebra hartmannae (Hartmann's mountain zebra)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Source institution for Hartmann's Zebra is unknown currently. Brights Zoo will join the Hartmann's Zebra SSP, currently coordinated by Mr. Thomas Jordan of San Diego Safari Park. Our facility plans to coordinate with the SSP for identifying and acquiring appropriate breeding specimens and will join the SSP at that time.

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Brights Zoo is planning to join the Hartmann's Zebra SSP, currently coordinated by Mr. Thomas Jordan of San Diego Safari Park, as soon as we receive our first zebras. Our Hartmann's Zebra breeding program will be administered per the breeding recommendations of the SSP, as well as any progeny produced in the breeding program.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo will ensure genetic vitality in our Hartmann's Zebra by working with Hartmann's Zebra SSP to identify and acquire appropriate breeding specimens. The breeding program will follow the recommendations of the Hartmann's Zebra SSP.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained Grevy's zebra for 8 years.

Brights Zoo has maintained Grant's zebra for 25 years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

Grevy's zebra 2016 – 1 birth and still living

Grant's zebra 2018 – 1 birth and still living

Grant's zebra 2016 – 1 birth and still living

Grant's zebra 2014 – 1 birth and still living

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities for Grevy's zebra and zero mortalities for Grant's zebra in past 5 years

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Maggie Trunack – Lead Zookeeper (Hoof Stock)

Maggie Trunack has more than ten years' experience as a zookeeper and received a B.S. in Animal Behavior from Delaware Valley College (now Delaware Valley University) in Pennsylvania. Ms. Trunack has worked at Brights Zoo for six years and has been the Lead Keeper in charge of hoof stock for four years. She is also a public education specialist. Maggie is a former keeper at Cape May County Park and Zoo, and Zoo Miami. She also worked as an Animal Attendant at the Maryland Zoo in Baltimore. Maggie not only has extensive experience with hoof stock, she has previous experience with Callitrichidae – especially tamarins. She is a member of the Association of Zoos and Aquariums and the American Association of Zoo Keepers.

Relevant Zebra Experience

- 6 years' experience caring for Grevy's Zebra at Brights Zoo
- 6 years' experience tending Grant's Zebra at Brights Zoo

Kari Cochran – Zookeeper

Kari Cochran received a B.S. in Zoology and Wildlife Management from North Carolina State University in Raleigh, NC. She has 12 years of experience working with animals and has been a zookeeper at Brights Zoo since 2016 where she has worked in all areas of the zoo: hoof stock, birds, primates, reptiles, commissary and education.

Relevant Zebra Experience

- 4 years' experience caring for Grevy's Zebra at Brights Zoo
- 4 years' experience tending Grant's Zebra at Brights Zoo

Sheri Hickok - Zookeeper

Sheri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

Relevant Penguin Experience

- 8 years' experience caring for Grevy's Zebra between Jacksonville Zoo and Brights Zoo
- 5 years' experience tending Grant's Zebra at Brights Zoo

14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Natural Materials: - Trees (non-toxic to animals) and plants (non-toxic to animals).

Fencing: (two types of fence - steel pipe and welded wire fence, big game fence).

Enclosure: Large yard with barns/sheds to protect from elements. Space required is a minimum of 1 acre per animal pair. Three sheds with divider walls are provided.



Yard: 250 x 120; Sheds: 15 x 15



Hartmann's Mountain Zebra

Astrochelys radiata

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Astrochelys radiata (Radiated tortoise)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Source institution for Radiated tortoise is unknown currently. Brights Zoo's Zoo Director, David Bright has discussed Radiated tortoise breeding with Michael Ogle at Zoo Knoxville. Mr. Ogle is also the coordinator of the Radiated Tortoise SSP. Radiated Tortoises acquisition will be coordinated through the SSP, and Brights Zoo will join the Radiated Tortoise SSP as soon as specimens are acquired.

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Bright's Zoo is planning to join the Radiated Tortoise SSP, currently coordinated by Michael Ogle, as soon as we receive the first tortoises. Our Radiated Tortoise breeding program will be administered per the breeding recommendations of the SSP, as well as any progeny produced in the breeding program.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Bright's Zoo will ensure genetic vitality in our Radiated Tortoise breeding program by working with Michael Ogle at Zoo Knoxville to identify and acquire appropriate breeding specimens. The breeding program will follow the recommendations of the Radiated Tortoise SSP.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

Brights Zoo has maintained Red-footed tortoises (Chlenodois Carbonaria) for one year

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

No births

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

No mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Hilda Angeles – Lead Zookeeper (Primates/Birds/Reptiles)

Hilda Anglos has twenty years' experience working as an animal keeper and is currently the head keeper at the zoo. Hilda is primarily responsible for tending birds and primates and manages the commissary. She also acts as a veterinary technician observing sick animals and administering medicine when needed. She attended a course in "Avian management, Biology, and Conservation" in West Virginia. Hilda is also a member of Association of Zoos and Aquariums.

Relevant Tortoise Experience

- 1 year caring for Red-footed tortoises at Brights Zoo
- 14 years' experience tending to African Spurred Tortoises at Brights Zoo

Sheri Hickok - Zookeeper

Shri Hickok has 25 years of animal husbandry experience and is skilled in exhibit maintenance, exhibit design, public presentation, animal acquisitions and dispositions, training new keepers, assisting in veterinary procedures, and maintaining thorough daily records. She has participated in SSP and TAG programs. Ms. Hickok gained previous zoological experience at Cape May County Zoo in New Jersey where she cared for several species of mammals, birds, and reptiles – including various tamarin species. She worked at Kangaroo Conservation Center in Georgia, and Jacksonville Zoo in Florida where she cared for Grevy's zebras among numerous other mammals and birds. Sheri became a zookeeper at Brights Zoo in 2015.

Relevant Tortoise Experience

- 1 year caring for Red-footed tortoises at Brights Zoo
- 5 years' experience tending to African Spurred Tortoises at Brights Zoo

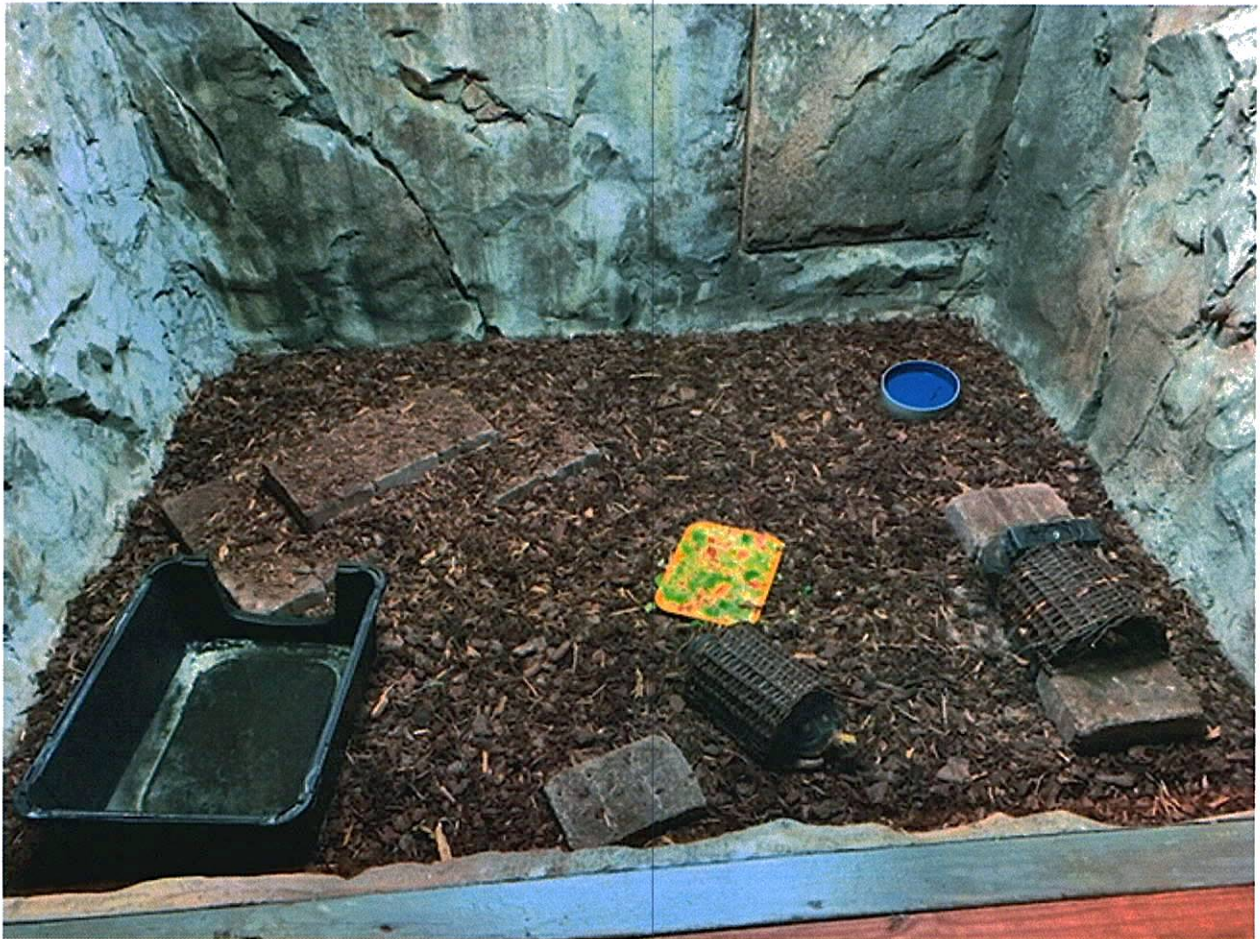
14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Rockwork: Made with Portland cement and stone and is smooth on any surface the animal might use.

Natural Materials: - Plants (non-toxic to animals), and perches (made from locust tree branches).

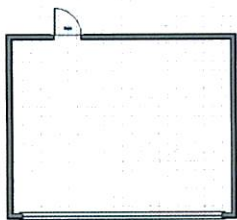
Enclosure: Designed for each animal individually. Housed in the climate controlled, South America building. Ground is mulch base over a concrete floor. Climate controlled area always maintains proper temperatures.

South America Building: Large, indoor building containing 19 exhibits. Separate exhaust for each exhibit and each room designed as a unique space. A glass panel is between animal and guests, Rockwork is created for a natural look. Temperature Controlled Enclosure: 10 x 10



Temperature Controlled Enclosure: 10 x 10

Radiated Tortoise



Hylobates lar

8. The scientific name (genus, species and, if applicable, subspecies) and common name of the species.

Hylobates lar (White-handed gibbon)

9. The name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife. If currently unknown, state if there is an organized breeding program that you are involved with or if you have communicated with other breeding organizations.

Source institution for White-handed gibbon is unknown currently. Brights Zoo has applied to join the Lar Gibbon SSP, coordinated by Beth Richards of Disney Animal Kingdom, and expect to be accepted as a member during the second quarter of 2020. Additional White-handed gibbon acquisitions will be coordinated through the SSP.

10. Provide a specific description of how your proposed activities are going to facilitate captive breeding for conservation purposes of this species, including your long-term goals for your breeding program and intended disposition of any progeny.

Brights Zoo's White-handed Gibbon breeding program will be administered per the breeding recommendations of the SSP, as well as any progeny produced in the breeding program.

11. Provide documentation or a complete description showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain sufficient specimens of each species requested to maintain the genetic viability of the species, you must participate in an organized breeding program. Please indicate this program and provide documentation describing the objectives, goals, and current efforts of the program.

Brights Zoo will ensure genetic vitality in our White-handed Gibbon breeding program by following the recommendations of Lar Gibbon SSP.

12. If your activities include the holding of surplus animals (i.e., no longer needed in the organized breeding program and will no longer be bred) for an organized management program, document how your acquisition of such wildlife will relieve crowding at the locations from which the wildlife will be obtained, and thereby assist the breeding program for the species involved. Provide documentation that you are a participant in an organized breeding program where the holding of surplus wildlife has been identified as a necessary objective of the breeding program. Provide a description of how you will restrict/control breeding at your facility.

N/A

13. For each requested species, provide a description of your experience in maintaining and propagating the requested species or similar species, including:

- a. The number of years you or the facility has/have maintained the requested species or similar species.

10 years

- b. During the past five years, how many (by species, by year) successful births/hatches of each requested species or similar species have occurred at your facility? How many survived beyond 30 days?

White-handed gibbon 2018 – 1 birth and still living

The disposition of the 1-year old gibbon is pending a recommendation by the Lar Gibbon SSP. The White-handed Gibbon is endangered, so we expect breeding for increased population to continue for at least the next five years.

- c. How many mortalities of requested species or similar species have occurred at your facility during the past five years? What were the causes? What measures have you taken to prevent future mortalities?

Zero mortalities

- d. A brief resume for all senior animal care staff or personnel that will be working with or maintaining each species requested.

Connie Bright – Head Zookeeper

Connie Bright has 40 years' experience caring for animals. In 1980, Mrs. Bright was a co-owner in Brights Farm and tended race horses, wallabies, and ostriches. In 1995, Brights Farm began acquiring hoof stock such as Grant's zebras and addax, and primates like lemurs and spider monkeys; Connie was the primary caretaker for all of them. When Brights Farm became Brights Zoo in 2004, Connie Bright oversaw the care of each new species that was acquired and has continued to do so up to the present.

Relevant Primate Experience

- 10 years caring for White-handed gibbons at Brights Zoo
- 3 years' experience tending to Black and White Colobus at Brights Zoo
- 20 years' experience of husbandry for Black-handed Spider Monkey colonies at Brights Zoo
- 12 years' experience caring for De Brazza's Monkey at Brights Zoo

Hilda Angeles – Lead Zookeeper (Primates/Birds/Reptiles)

Hilda Anglos has twenty years' experience working as an animal keeper and is currently the head keeper at the zoo. Hilda is primarily responsible for tending birds and primates and manages the commissary. She also acts as a veterinary technician observing sick animals and administering medicine when needed. She attended a course in "Avian management, Biology, and Conservation" in West Virginia. Hilda is also a member of Association of Zoos and Aquariums.

Relevant Primate Experience

- 10 years caring for White-handed gibbons at Brights Zoo

- 3 years' experience tending to Black and White Colobus at Brights Zoo
- 20 years' experience of husbandry for Black-handed Spider Monkey colonies at Brights Zoo
- 12 years' experience caring for De Brazza's Monkey at Brights Zoo

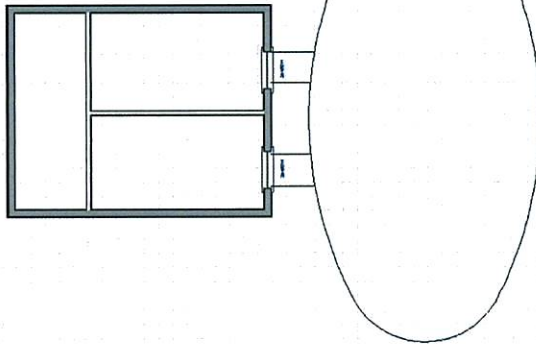
14. Provide a detailed description, including size, construction materials, and protection from the elements, as well as photographs and detailed diagrams (no blueprints, please) clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

Enclosure: Baylen cages are used to house White-handed gibbon. Locust trees, ropes and fire hoses are used for climbing structures. Inside access is to climate-controlled building with proper lighting. Outside area contains partial cover to protect from rain and sun as well as free choice access to building. Yard: 14 x 24; Heated Barn: 12 x 10



Yard: 14 x 24; Heated Barn: 12 x 10

Gibbon



Population Analysis & Breeding and Transfer Plan

Baird's Tapir (*Tapirus bairdii*) AZA Species Survival Plan® Red Program



**International Studbook Keeper
and AZA Species Survival Plan® Coordinator**
Carolina Holguin Gonzalez, Africam Safari Park
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14 December 2018

PMC

Population Management Center

 LINCOLN PARK ZOO.

ASSOCIATION
OF ZOOS &
AQUARIUMS

SAN DIEGO ZOO
GLOBAL

This Animal Program is currently a Red SSP Program and recommendations proposed are non-binding – Participation is voluntary.
Dispositions to non-AZA institutions must comply with each institution's acquisition/disposition policy, in accordance with the AZA policy on
Responsible Population Management.

Baird's Tapir (*Tapirus bairdii*) – Red SSP 2018 Final

Executive Summary

Baird's Tapir (*Tapirus bairdii*)

The current population of Baird's tapirs is 43 animals (24 males, 19 females) distributed among 15 AZA institutions and five private North American facilities. The Tapir Taxon Advisory Group has set a short-term, five-year target size for the SSP population to be 60 animals (2016 Regional Collection Plan). The Baird's tapir program currently qualifies as a Red SSP Program (<50 formally managed animals).

Genetic and demographic analyses of the North American Regional Studbook for Baird's tapir (current to 01 September 2018) were performed using 2.4 and PMx 1.5.20180429 and 1.5.20180925 resulting in the current Breeding & Transfer Plan. Recommendations contained in this plan supersede those made by previous plans.

Demography

| | |
|--|--------------|
| Current Population Size (males.females.unknowns) | 43 (24.19.0) |
| # Animals Excluded From Analyses | 4 (1.3.0) |
| Population Size Following Exclusions | 39 (23.16.0) |
| Target Population Size | 60 |
| Mean Generation Time (T; in years) | 10.1 |
| Projected Population Growth Rate (λ) – from life tables (Appendix C) | 1.03 |
| Historic Population Growth Rate (average λ 1925-2017) | 1.03 |
| Recent Population Growth Rate (average λ 2013-2017) | 1.005 |

Genetics

| | 2018 | Current Potential |
|--|-----------|-------------------|
| Founders | 17 | 2 additional |
| Founder Genome Equivalents (FGE) | 4.10 | 10.04 |
| Current Gene Diversity (GD %) | 87.79 | 95.02 |
| Population Mean Kinship (MK) | 0.1221 | --- |
| Mean Inbreeding (F) | 0.0554 | --- |
| % Pedigree Known Before / After Assumptions and Exclusions | 100 / 100 | --- |
| % Pedigree Certain Before / After Assumptions and Exclusions | 100 / 100 | --- |
| Effective Population Size / Census Size Ratio (N_e / N) | 0.46* | --- |

Projections

| | | |
|--|-------------------|-----|
| Years To 90% Gene Diversity | NA | --- |
| Years To 10% Loss of GD | 62 ^b | --- |
| Gene Diversity at 100 Years From Present (%) | 72.7 ^b | --- |

*includes founders

^aprojections based on the current analytical population of 39 animals ($\lambda = 1.03$, $T = 10.1$ years, target size = 60 animals)

Demographic analyses suggest that recent reproductive rates should be approximately sufficient to either maintain the population at its current size or possibly even slowly grow the population to its TAG-recommended target size of 60 animals. The population produced six offspring in 2017 and four offspring thus far in 2018, with both years representing the most annual births observed since 1996. Approximately 10 births are needed over the next three years (3 or 4 births per year) to maintain the population at its current size while ~15 births are needed (5 births per year) to grow the population at a 3% growth rate to a size of ~47 animals. Gene diversity in the analytical population is 87.79%, which is below the 90% threshold commonly thought to represent genetic vigor. Gene diversity is projected to decline to ~73% over the next 100 years if the analytical population grows at its projected growth rate of 3% to a target size of 60 animals. Genetic management is placing particular priority on breeding animals with low mean kinships (representative of under-represented founders) and potential founders that have not yet produced surviving offspring, but some animals with high mean kinships and some previously successful breeding pairs with dissimilar mean kinships are receiving breeding recommendations to support demographic goals. As with most AZA-managed programs, breeding recommendations also aim to limit inbreeding.

Summary Actions: This is a 3-year plan (2018-2020). The Program recommends seven females to breed at six institutions. Nine transfers are intended to establish new pairs and meet institutional requests.

This Animal Program is currently a Red SSP Program and recommendations proposed are non-binding – Participation is voluntary. Dispositions to non-AZA institutions must comply with each institution's acquisition/disposition policy, in accordance with the AZA policy on Responsible Population Management.

Baird's Tapir (*Tapirus bairdii*) – Red SSP 2018 Final

Summary of Breeding and Transfer Recommendations

| ID | Location | Sex | Age | Disposition | Location | Breeding | With | Notes |
|-----|------------|-----|-----|-------------|------------|--------------|----------|-------------------|
| 27 | MILWAUKEE | F | 34 | HOLD | MILWAUKEE | DO NOT BREED | | age exclusion |
| 28 | SANDIEGOZ | M | 34 | HOLD | SANDIEGOZ | DO NOT BREED | | age exclusion |
| 36 | SANDIEGOZ | F | 31 | HOLD | SANDIEGOZ | DO NOT BREED | | age exclusion |
| 84 | FRANKLINP | M | 29 | HOLD | FRANKLINP | BREED WITH | 206 | |
| 114 | BREVARD | F | 25 | HOLD | BREVARD | DO NOT BREED | | medical exclusion |
| 125 | EVANSVILLE | M | 23 | HOLD | EVANSVILLE | DO NOT BREED | | |
| 144 | MILWAUKEE | M | 21 | HOLD | MILWAUKEE | DO NOT BREED | | |
| 173 | PARAMUS | M | 18 | HOLD | PARAMUS | DO NOT BREED | | |
| 193 | TUCSON | F | 16 | HOLD | TUCSON | SEE NOTES | | pregnant |
| 200 | LEON | M | 16 | HOLD | LEON | SEE NOTES | | |
| 202 | DREHER PA | F | 15 | HOLD | DREHER PA | SEE NOTES | | pregnant |
| 203 | DREHER PA | M | 15 | HOLD | DREHER PA | SEE NOTES | | |
| 206 | FRANKLINP | F | 14 | HOLD | FRANKLINP | BREED WITH | 84 | |
| 208 | BATONROUG | F | 14 | HOLD | BATONROUG | DO NOT BREED | | |
| 247 | TUCSON | M | 12 | HOLD | TUCSON | SEE NOTES | | |
| 251 | PUEBLA | M | 12 | HOLD | PUEBLA | DO NOT BREED | | |
| 258 | XCARET | F | 12 | HOLD | XCARET | BREED WITH | 346 | |
| 260 | BATONROUG | M | 11 | HOLD | BATONROUG | DO NOT BREED | | |
| 267 | METRORICH | M | 10 | HOLD | METRORICH | BREED WITH | 272 | |
| 271 | CENTENARI | M | 9 | HOLD | CENTENARI | DO NOT BREED | | |
| 272 | METRORICH | F | 8 | HOLD | METRORICH | BREED WITH | 267 | |
| 281 | BRIGHTSFA | M | 8 | HOLD | BRIGHTSFA | DO NOT BREED | | |
| 282 | HOUSTON | M | 8 | SEND TO | LOSANGELE | BREED WITH | 297 | |
| 283 | OMAHA | M | 7 | HOLD | OMAHA | DO NOT BREED | | |
| 293 | LOSANGELE | M | 6 | SEND TO | HOUSTON | SEE NOTES | | |
| 297 | LOSANGELE | F | 5 | HOLD | LOSANGELE | BREED WITH | 282 | |
| 298 | NASHV ZOO | F | 5 | HOLD | NASHV ZOO | DO NOT BREED | | |
| 299 | SANDIEGOZ | M | 5 | HOLD | SANDIEGOZ | BREED WITH | 301 | |
| 300 | HOUSTON | F | 7 | HOLD | HOUSTON | SEE NOTES | | pregnant |
| 301 | SANDIEGOZ | F | 4 | HOLD | SANDIEGOZ | BREED WITH | 299 | |
| 322 | PUEBLA | F | 3 | HOLD | PUEBLA | BREED WITH | T01 | |
| 325 | PUEBLA | M | 3 | SEE NOTES | | | | |
| 328 | AUDUBON | M | 2 | HOLD | AUDUBON | SEE NOTES | | |
| 332 | PUEBLA | M | 1 | HOLD | PUEBLA | SEE NOTES | | |
| 336 | HOUSTON | M | 1 | SEND TO | BREVARD | DO NOT BREED | | |
| 338 | TUCSON | M | 0 | SEND TO | MILWAUKEE | DO NOT BREED | | |
| 339 | METRORICH | F | 0 | SEE NOTES | | | | |
| 340 | PUEBLA | F | 0 | SEND TO | LEON | SEE NOTES | | |
| 341 | FRANKLINP | F | 0 | SEND TO | AUDUBON | SEE NOTES | | |
| 344 | BATONROUG | F | 0 | SEND TO | BREVARD | DO NOT BREED | | |
| 346 | SANDIEGOZ | M | 0 | SEND TO | XCARET | BREED WITH | 258, 347 | |
| 347 | XCARET | F | 2 | HOLD | XCARET | BREED WITH | 346 | |
| T01 | NASHV ZOO | M | 0 | SEND TO | PUEBLA | BREED WITH | 322 | |

This Animal Program is currently a Red SSP Program and recommendations proposed are non-binding – Participation is voluntary. Dispositions to non-AZA institutions must comply with each institution's acquisition/disposition policy, in accordance with the AZA policy on Responsible Population Management.

Baird's Tapir (*Tapirus bairdii*) – Red SSP 2018 Final

Recommendations By Institution

AUDUBON

Audubon Zoo
New Orleans, LA

Institutional notes: F341 can be bred with M328 when she reaches reproductive maturity.

| ID | Local ID | Sex | Age | Disposition | Location | Breeding | With | Notes |
|-----|----------|-----|-----|--------------|-----------|-----------|------|-------|
| 328 | 18M042 | M | 2 | HOLD | AUDUBON | SEE NOTES | | |
| 341 | F18001 | F | 0 | RECEIVE FROM | FRANKLINP | SEE NOTES | | |

BATONROUG

BREC's Baton Rouge Zoo
Baker, LA

Institutional notes: M260 x F208 is a proven breeding pair that last produced a calf in 2018. This pair is not currently receiving a breeding recommendation because both animals are genetically over-represented (have high mean kinships) and another offspring from this pair is not expected to be demographically needed in the short-term.

| ID | Local ID | Sex | Age | Disposition | Location | Breeding | With | Notes |
|-----|----------|-----|-----|-------------|-----------|--------------|------|-------|
| 208 | 10068 | F | 14 | HOLD | BATONROUG | DO NOT BREED | | |
| 260 | 10474 | M | 11 | HOLD | BATONROUG | DO NOT BREED | | |
| 344 | 1100 | F | 0 | SEND TO | BREVARD | DO NOT BREED | | |

BREVARD

Brevard Zoo
Melbourne, FL

Institutional notes: M336 x F344 is expected to be a future breeding pair, although they have dissimilar mean kinships (M336 is genetically under-represented while F344 is genetically over-represented).

| ID | Local ID | Sex | Age | Disposition | Location | Breeding | With | Notes |
|-----|----------|-----|-----|--------------|-----------|--------------|------|-------------------|
| 114 | 940007 | F | 25 | HOLD | BREVARD | DO NOT BREED | | medical exclusion |
| 336 | 31326 | M | 1 | RECEIVE FROM | HOUSTON | DO NOT BREED | | |
| 344 | 1100 | F | 0 | RECEIVE FROM | BATONROUG | DO NOT BREED | | |

BRIGHTSFA

Brights Zoo
Limestone, TN

Institutional notes: The SSP is continuing to look for a genetically suitable mate for M281.

| ID | Local ID | Sex | Age | Disposition | Location | Breeding | With | Notes |
|-----|----------|-----|-----|-------------|-----------|--------------|------|-------|
| 281 | 44 | M | 8 | HOLD | BRIGHTSFA | DO NOT BREED | | |

*This Animal Program is currently a Red SSP Program and recommendations proposed are non-binding – Participation is voluntary.
Dispositions to non-AZA institutions must comply with each institution's acquisition/disposition policy, in accordance with the AZA policy on Responsible Population Management.*

Baird's Tapir (*Tapirus bairdii*) – Red SSP 2018 Final

Appendix A

Analytical Assumptions

No pedigree assumptions were necessary.

The following LTF animals with unknown birth date estimates were given 'year' birth date estimates so that PMx would correctly exclude them from the genetic selection: 148, 191

Appendix B

Summary of Data Exports

Report compiled under PopLink V. 2.4 and PMx 1.5.20180429 and 1.5.20180925

Project: TapirBairds_September2018

Created: 2018-09-24

Studbook information:

Data compiled by: Carolina Holguin Gonzalez

Data current thru: 01 September 2018

Scope of data: International

Primary data file:

XXTapirBairds_September2018.ped

Filter conditions:

Dates: 1967-01-01 to 2018-09-24

Association: TapirBairds.FED (AZA + BATONROUG, BRIGHTSFA, CENTENARI, METRORICH, XCARET)

Moves data files:

XXTapirBairds_September2018genetics.csv

XXTapirBairds_September2018demog.csv

Filter conditions:

Dates: 1967-01-01 to 2018-09-24

Association: TapirBairds.FED (AZA + BATONROUG, BRIGHTSFA, CENTENARI, METRORICH, XCARET)

There are 13 births to unknown parents or parents with unknown ages that have been added in proportion to known aged parents. This is 13% of KNOWN births (110 total births).

Non-AZA Institutions: BATONROUG, BRIGHTSFA, CENTENARI, METRORICH, XCARET

This Animal Program is currently a Red SSP Program and recommendations proposed are non-binding – Participation is voluntary. Dispositions to non-AZA institutions must comply with each institution's acquisition/disposition policy, in accordance with the AZA policy on Responsible Population Management.

Baird's Tapir (*Tapirus bairdii*) – Red SSP 2018 Final

Appendix D

Individuals Excluded from Genetic Analyses

| Studbook ID | Sex | Age | Location | Reason for Exclusion |
|-------------|-----|-----|-----------|----------------------|
| 27 | F | 34 | MILWAUKEE | age exclusion |
| 28 | M | 34 | SANDIEGOZ | age exclusion |
| 36 | F | 31 | SANDIEGOZ | age exclusion |
| 114 | F | 25 | BREVARD | medical exclusion |

Appendix E

Ordered Mean Kinships

Note: This list is current to September 2018 and based on an analytical studbook. Values are subject to change with any birth, death, import, export, inclusion, or exclusion. **Average Population MK = 0.1221**

| MALES | | | | | FEMALES | | | | |
|-------|--------|---------|-----|------------|---------|--------|---------|-----|-----------|
| SB# | MK | % Known | Age | Location | SB# | MK | % Known | Age | Location |
| 271 | 0.0135 | 100 | 9 | CENTENARI | 258 | 0.0000 | 100 | 12 | XCARET |
| 282 | 0.0386 | 100 | 8 | HOUSTON | 347 | 0.0000 | 100 | 2 | XCARET |
| 299 | 0.0386 | 100 | 5 | SANDIEGOZ | 322 | 0.0934 | 100 | 3 | PUEBLA |
| 332 | 0.0901 | 100 | 1 | PUEBLA | 297 | 0.1270 | 100 | 5 | LOSANGELE |
| 281 | 0.0927 | 100 | 8 | BRIGHTSFA | 340 | 0.1283 | 100 | 0 | PUEBLA |
| 346 | 0.0949 | 100 | 0 | SANDIEGOZ | 193 | 0.1335 | 100 | 16 | TUCSON |
| 125 | 0.0988 | 100 | 23 | EVANSVILLE | 301 | 0.1381 | 100 | 4 | SANDIEGOZ |
| 336 | 0.1021 | 100 | 1 | HOUSTON | 202 | 0.1468 | 100 | 15 | DREHER PA |
| 328 | 0.1082 | 100 | 2 | AUDUBON | 208 | 0.1485 | 100 | 14 | BATONROUG |
| T01 | 0.1082 | 100 | 0 | NASHV ZOO | 341 | 0.1495 | 100 | 0 | FRANKLINP |
| 203 | 0.1103 | 100 | 15 | DREHER PA | 206 | 0.1508 | 100 | 14 | FRANKLINP |
| 173 | 0.1123 | 100 | 18 | PARAMUS | 272 | 0.1527 | 100 | 8 | METRORICH |
| 247 | 0.1201 | 100 | 12 | TUCSON | 300 | 0.1527 | 100 | 7 | HOUSTON |
| 283 | 0.1270 | 100 | 7 | OMAHA | 339 | 0.1535 | 100 | 0 | METRORICH |
| 200 | 0.1289 | 100 | 16 | LEON | 344 | 0.1601 | 100 | 0 | BATONROUG |
| 325 | 0.1333 | 100 | 3 | PUEBLA | 298 | 0.1663 | 100 | 5 | NASHV ZOO |
| 338 | 0.1333 | 100 | 0 | TUCSON | | | | | |
| 293 | 0.1349 | 100 | 6 | LOSANGELE | | | | | |
| 84 | 0.1353 | 100 | 29 | FRANKLINP | | | | | |
| 267 | 0.1418 | 100 | 10 | METRORICH | | | | | |
| 144 | 0.1427 | 100 | 21 | MILWAUKEE | | | | | |
| 251 | 0.1502 | 100 | 12 | PUEBLA | | | | | |
| 260 | 0.1592 | 100 | 11 | BATONROUG | | | | | |

This Animal Program is currently a Red SSP Program and recommendations proposed are non-binding – Participation is voluntary. Dispositions to non-AZA institutions must comply with each institution's acquisition/disposition policy, in accordance with the AZA policy on Responsible Population Management.

Appendix G

Directory of Institutional Representatives

| Contact Name (IR) | Institution | Contact Information |
|-------------------|--|---------------------------------|
| Carolyn Atherton | AUDUBON Audubon Zoo | catherton@auduboninstitute.org |
| Sam Winslow | BATONROUG BREC's Baton Rouge Zoo | swinslow@brzoo.org |
| Dave Quavillon | BREVARD Brevard Zoo | mquavillon@brevardzoo.org |
| David Bright | BRIGHTSFA Brights Zoo | david@brightszoo.com |
| Claudia Ham Vega | CENTENARI Parque Zoologico el Centenario | claudia.ham@merida.gob.mx |
| Jan Steele | DREHER PA Palm Beach Zoo at Dreher Park | jsteele@palmbeachzoo.org |
| Susan Lindsey | EVANSVILLE Mesker Park Zoo | slindsey@meskerparkzoo.com |
| Erica Farrell | FRANKLINP Zoo New England/Franklin Park Zoo | efarrell@zoonewengland.com |
| Daryl Hoffman | HOUSTON Houston Zoo, Inc. | dhoffman@houstonzoo.org |
| David rocha | LEON Patronato del Parque Zoologico de Leon | david.rocha@zooleon.org.mx |
| Dorothy Belanger | LOSANGELE Los Angeles Zoo & Botanical Gardens | dorothy.belanger@lacity.org |
| Jim Andelin | METRORICH Metro Richmond Zoo | jim@metrorichmondzoo.com |
| Tim Wild | MILWAUKEE Milwaukee County Zoological Gardens | tim.wild@milwcnty.com |
| Jonathon Hankins | NASHV ZOO Nashville Zoo at Grassmere | jhankins@nashvillezoo.org |
| Christie Eddie | OMAHA Omaha's Henry Doorly Zoo | christiee@omahazoo.com |
| Cindy Norton | PARAMUS Bergen County Zoological Park | cnorton@co.bergen.nj.us |
| Carolina Holguin | PUEBLA Africam Safari | cholguin@africamsafari.com.mx |
| Curby Simerson | SANDIEGOZ San Diego Zoo | csimerson@sandiegozoo.org |
| Adam Ramsey | TUCSON Reid Park Zoo | adam.ramsey@tucsonaz.gov |
| Gabriela Lara | XCARET Acuario Xcaret | glara@experienciasxcaret.com.mx |

This Animal Program is currently a Red SSP Program and recommendations proposed are non-binding – Participation is voluntary. Dispositions to non-AZA institutions must comply with each institution's acquisition/disposition policy, in accordance with the AZA policy on Responsible Population Management.



**Marwell
Wildlife**

International studbook for Grevy's zebra 2018

Equus grevyi

current until 31.12.2018

Tanya Langenhorst, Marwell Wildlife

U.S.A.

AKIN C
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no contact

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Frank and Judy Mello; mello@mcn.org OR fmello@bbryanpreserve.com

Certified by AZA,
species360

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AZA, species360

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BRIGHTSFA
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David Michael Bright; David@brightszoo.com

species360

Grevy's zebra Studbook
(Equus grevyi)

Living on 14 May 2019

| Stud# | Sex | Birth Date | Sire | Dam | Location | Date | LocalID | Event | Name |
|---|-------|-------------|-------|-------|---|--|------------------------------------|--|---------|
| BEWDLEY - West Midland Safari & Leisure Park Ltd, Bewdley, Worcestershire, United Kingdom | | | | | | | | | |
| 25608 | F | 8 Jun 2010 | 12164 | 14230 | MULHOUSE BEWDLEY | 8 Jun 2010 31 May 2012 | M10074 1094 | Birth Transfer | AKUNA |
| 25810 | M | 10 Aug 2010 | 13156 | 11136 | MARWELL CHESINGTN BEWDLEY | 10 Aug 2010 2 Nov 2011 5 Apr 2017 | 8811 2022 1658 | Birth Loan to Transfer | QUIGLEY |
| 27524 | F | 24 May 2012 | 15194 | 11198 | POZNAN BEWDLEY | 24 May 2012 10 Sep 2015 | MK1636 1503 | Birth Transfer | Montana |
| 33726 | F | 26 Jul 2018 | 25810 | 25608 | BEWDLEY | 26 Jul 2018 | 1818 | Birth | |
| 33812 | M | 12 Aug 2018 | 25810 | 27524 | BEWDLEY | 12 Aug 2018 | 1821 | Birth | Gamba |
| Totals: 2.3.0 (5) | | | | | | | | | |
| BOISE - Zoo Boise, Boise, Idaho, United States | | | | | | | | | |
| 21158 | F | 29 May 2006 | 12174 | 13208 | FRANKLINP BOISE | 29 May 2006 11 Dec 2008 | F06013 208059 | Birth Loan to | KAILEY |
| 21221 | neutM | 6 Aug 2006 | 6102 | 15120 | BUSCH TAM DETROIT BOISE | 6 Aug 2006 6 Aug 2006 1 Feb 2010 8 Jul 2011 | 63245 11767 11767 211044 | Birth Ownership Transfer Transfer | MEMPHIS |
| Totals: 1.1.0 (2) | | | | | | | | | |
| BRANTON - Yorkshire Wildlife Park, Branton Doncaster, South Yorkshire, United Kingdom | | | | | | | | | |
| 27907 | F | 7 Sep 2012 | 18314 | 21154 | BERLIN TP AUGSBURG BRANTON | 7 Sep 2012 19 May 2014 19 Jul 2016 | M05191 2014BG YZE007 | Birth Transfer Transfer | Ohura |
| 27941 | F | 1 Dec 2012 | 18314 | 12144 | BERLIN TP STUTTGART AUGSBURG BRANTON | 1 Dec 2012 1 Dec 2012 19 May 2014 19 Jul 2016 | M05244 9971 2014BH YZE006 | Birth Ownership Loan to Transfer | Ellen |
| 29908 | F | 8 Sep 2014 | 20172 | 19296 | HILVARENB BRANTON | 8 Sep 2014 12 Sep 2016 | M14098 YZE008 | Birth Transfer | Ilori |
| Totals: 0.3.0 (3) | | | | | | | | | |
| BREVARD - Brevard Zoo, Melbourne, Florida, United States | | | | | | | | | |
| 18320 | F | 8 Nov 2003 | 2896 | 9035 | YULEE BREVARD | 8 Nov 2003 22 Dec 2014 | Y34019 14173 | Birth Loan to | Zonka |
| 25924 | F | 24 Sep 2010 | 14151 | 16140 | YULEE BREVARD | 24 Sep 2010 22 Dec 2014 | 104037 14174 | Birth Loan to | Iggy |
| 28805 | F | 5 Aug 2013 | 23262 | 15120 | BUSCH TAM BREVARD | 5 Aug 2013 6 Jul 2016 | 47285 16058 | Birth Loan to | Lauren |
| Totals: 0.3.0 (3) | | | | | | | | | |
| BRIGHTSFA - Bright's Zoo, Limestone, Tennessee, United States | | | | | | | | | |
| 24562 | M | ~ Oct 2010 | UNK | UNK | BRIGHTSFA | 23 Apr 2012 | 292 | Transfer | |
| 24563 | F | ~ Oct 2010 | UNK | UNK | BRIGHTSFA | 23 Apr 2012 | 293 | Transfer | |
| Totals: 1.1.0 (2) | | | | | | | | | |

Grevy's zebra Studbook
(Equus grevyi)

Living on 14 May 2019

| Stud# | Sex | Birth Date | Sire | Dam | Location | Date | LocalID | Event | Name |
|--|-----|-------------|-------|-------|------------------------------------|---|----------------------------|---------------------------------|---------|
| WHEELING - Oglebay's Good Children's Zoo, Wheeling, West Virginia, United States | | | | | | | | | |
| 18256 | F | 15 Aug 2003 | 2896 | 2950 | YULEE WHEELING | 15 Aug 2003 10 Apr 2010 | Y34014 4026 | Birth Loan to | Samburu |
| 22218 | M | 19 May 2007 | 16162 | 18262 | CINCINNAT BROWNSVIL WHEELING | 19 May 2007 19 May 2007 24 Aug 2011 | 107068 9871 4122 | Birth Ownership Loan to | JOHARI |
| Totals: 1.1.0 (2) | | | | | | | | | |
| WHIPSNADE - Zsl Whipsnade Zoo, Dunstable, Bedfordshire, United Kingdom | | | | | | | | | |
| 5024 | F | 29 Aug 1991 | 1830 | 1642 | WHIPSNADE | 29 Aug 1991 | L1671 | Birth | MARTHA |
| 21114 | M | 2 Feb 2006 | 6015 | 9026 | MULHOUSE LE PAL WHIPSNADE | 2 Feb 2006 18 May 2007 17 Feb 2011 | M06012 M07027 4343 | Birth Transfer Transfer | ABEBA |
| 21120 | F | 13 Feb 2006 | 7034 | 9032 | PLANCKNDL WHIPSNADE | 13 Feb 2006 20 Aug 2009 | 246016 3994 | Birth Loan to | HENNA |
| 21272 | F | 5 Nov 2006 | 7034 | 16260 | PLANCKNDL WHIPSNADE | 5 Nov 2006 20 Aug 2009 | 246017 3995 | Birth Loan to | HERA |
| 25944 | F | 4 Oct 2010 | 9015 | 2498 | WHIPSNADE | 4 Oct 2010 | 4266 | Birth | Saba |
| 28506 | F | 6 May 2013 | 7018 | 16248 | WOBURNLTD WHIPSNADE | 6 May 2013 30 Jul 2015 | GVZ018 6188 | Birth Transfer | Nafisa |
| 31521 | F | 21 May 2016 | 21114 | 21120 | WHIPSNADE | 21 May 2016 | 6641 | Birth | |
| 31526 | F | 26 May 2016 | 21114 | 25944 | WHIPSNADE | 26 May 2016 | 6655 | Birth | |
| 32910 | F | 10 Sep 2017 | 21114 | 28506 | WHIPSNADE | 10 Sep 2017 | 7225 | Birth | |
| Totals: 1.8.0 (9) | | | | | | | | | |
| WILDS - The Wilds, Cumberland, Ohio, United States | | | | | | | | | |
| 9033 | F | 8 May 1994 | 3184 | 1930 | FOSSILRIM WILDS | 8 May 1994 25 Sep 2007 | 47 107064 | Birth Loan to | ROSE |
| 14242 | F | 18 Dec 1999 | 2486 | 8030 | YULEE CHICAGOBR WILDS | 18 Dec 1999 18 Dec 1999 1 Jun 2010 | 990041 990440 110031 | Birth Ownership Loan to | Abba |
| 18264 | F | 22 Aug 2003 | 2896 | 14242 | YULEE CHICAGOBR WILDS | 22 Aug 2003 22 Aug 2003 1 Jun 2010 | Y34015 1597 110033 | Birth Ownership Loan to | MOE MOE |
| 19104 | F | 2 Jan 2004 | 2896 | 14210 | YULEE WILDS | 2 Jan 2004 1 Jun 2010 | Y44001 110032 | Birth Loan to | HUGGY |
| 28727 | M | 26 Jul 2013 | 19298 | 19104 | WILDS BUSCH TAM WILDS | 26 Jul 2013 26 Jul 2013 31 Oct 2016 | 113063 65619 113063 | Birth Ownership Ownership | Presley |
| 30720 | F | 19 Jul 2015 | 19298 | 19104 | WILDS | 19 Jul 2015 | 115052 | Birth | |
| 30721 | F | 21 Jul 2015 | 19298 | 18264 | WILDS | 21 Jul 2015 | 115053 | Birth | |
| 32720 | M | 21 Jul 2017 | 19298 | 18264 | WILDS | 21 Jul 2017 | 117048 | Birth | |
| 32823 | F | 23 Aug 2017 | 19298 | 19104 | WILDS | 23 Aug 2017 | 117058 | Birth | |
| Totals: 2.7.0 (9) | | | | | | | | | |
| WLD PRTNR - Wildlife Partners, San Antonio, United States | | | | | | | | | |
| 31717 | M | 17 Jul 2016 | 24562 | 24563 | BRIGHTSFA WLD PRTNR | 17 Jul 2016 ~ Nov 2017 | 717 | Birth Transfer | |
| Totals: 1.0.0 (1) | | | | | | | | | |

BEWDLEY West Midland Safari & Leisure Park Ltd
(Grant Leisure Group), Bewdley, Worcestershire, United Kingdom, DY12 1LF
+44.1299.402.114 fax: +44.1299.404.519 angela.potter@wmssp.co.uk

BOCARATON Africa USA (Extinct)
Boca Raton, Florida, United States

BOCHOLT Het Veldhof (Frank Janssen)
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BODE W Werner Bode
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BOGOR Taman Safari Indonesia I
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BOISE Zoo Boise
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BORYSEW Zoo Safari Borysew
ul. Borysew 25, Poddebice, Łódzkie, Poland, 99-200
+48 43.678.4748

BRACKETT Little Ponderosa Animal Farm
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+1 (217)742-5588

BRADENTON Frank Thompson Collection
15605 S. R. #64, Bradenton, Florida, United States, 33508
+1.813.746.8559 fax: +1.813.747.6276

BRANTON Yorkshire Wildlife Park
Brockholes Lane, Branton, Doncaster, South Yorkshire, United Kingdom, DN3 3NH
animaladmin@yorkshirewildlifepark.com

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Mlynska dolina 1A, Bratislava, Bratislavski Kraj, Slovakia, 84227
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BRNO Brno Zoo and Environmental Education Cen
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+420.725.326.555 friedman@zoobrna.cz

BROOKSVIL Rider Animal Company (VD Rider)
RR 2, Box 270, Brooksville, Florida, United States, 33512

BROUSSARD Zoo of Acadiana
116 Lakeview Dr., Broussard, Louisiana, United States, 70518
+1.337.837.4375 fax: +1.337.837.6589 moldenburg@zoofacadiana.org

BROWNSVIL Gladys Porter Zoo
500 Ringgold Street, Brownsville, United States, 78520
+1.956.504.2895 fax: +1.956.504.2895 registrar@gpz.org

[EXTERNAL] Re: 51201D CBW application

David Bright <david@brightszoo.com>

Thu 3/26/2020 11:19 AM

To: Harlow, Caroline I <caroline_harlow@fws.gov>

Cc: Tony Bright <tonyb@brightszoo.com>; keith <keith@bai-map.com>

Mrs Harlow,

We checked all systems and do not show that email coming through our servers on the 13th. Had we gotten it on the 13th you would have had a reply the same day. As a small business it is imperative that we complete this process as soon as possible. As stated in earlier correspondence our application was received by fish and wildlife on August 13th, 2019. As the application states it takes 30 to 90 days for approval we should have had this back to us by no later than November 13, 2019. Every day that we are without our CBW is costing our business money and construction time. We are unable to begin construction of our penguin exhibit until we have this CBW in hand and purchasing of birds finalized. If at all possible we would like to finalize this application and approval this week. During this COVID-19 pandemic, many zoos across the country, including us, are struggling and the added financial cost of not having this CBW completed is just adding to our issues. Like many other zoos our zoo closed to public and do not have an open date confirmed. Please confirm receipt of this email.

Replies in Red and underlined.

Mr. Bright:

Thank you for your prompt response to my inquiries. I appreciate the detailed expertise of zoo personnel and the dimensions of each enclosure.

Based on my review of your annual reports submitted with your previous CBW, it appears that, other than successful births, you have not conducted any activities under your CBW. The CBW registration system is designed to facilitate interstate movement of animals authorized under a registration for conservation breeding. Maintaining endangered and threatened wildlife do not require a CBW. Loans, donations, and gifts do not require a permit provided you maintain records of the transaction. As a for profit business, our breeding purposes are for selling offspring to other zoos. Unlike city ran zoos, our zoo does not receive any monies from donations, tax dollars, etc. Our zoo income is solely from ticket sales and animal sales. We are extremely careful of where our animals go and do listen to SSP recommendations when available.

Furthermore, I will need some clarification on your responses in order to complete my review.

1. For the jackass penguins, it appears that you do not have current facilities. I will need a photograph of the completed facilities. In order for us to pay to construct this exhibit we first need to make sure that we have these penguins secured. In speaking with the SSP we know that we cant bring any in from many zoos without having our CBW in hand. We did submit a rough drawing of what the facilities will look like. I can provide you more a more detailed drawing if that will work or I can send photos from a couple of zoos that we are designing after.
2. For cotton-top tamarins, you make mention of a troop in your application; however, you did not indicate the total number of cotton-top tamarins in question 6 of your initial submission. Can you clarify that discrepancy? How many cotton-tops do you have (M:F)? Furthermore, you indicate that you have 10 x 10 enclosures for "each animal individually." Since these are social animals, what communal area does your troop share? Please provide a diagram, including dimensions, and a photograph of the communal area for this species. The photo that we submitted for these is there enclosure. We currently have 1.2 (1 male 2 females) We do have extra exhibits for them in the event that the troop does not get along and we need to seperate one out.
3. For Lar gibbons, you state you have 5. You also report the successful birth of a lar gibbon. What is the M:F ratio of the animals you have? Since you have begun the process of joining the SSP, do you know when your admission will be granted? Have you discussed with them how your animals might be used in the

SSP? Are any gibbons genetically underrepresented within the SSP and is a suitable mate being actively sought? As we are not an AZA facility joining the SSP is extremely difficult. As an example we are over a year in waiting for approval on a few other sustainability partnership applications. we currently have 2.21 (2 males, 2 females, 1 unsexed) If another zoo wanted to purchase the unsexed offspring that we have they would have to have a CBW on hand and our CBW would need to be active.

4. For Grevy's zebra, you state you belong to the International Grevy's zebra studbook. However, belonging to a studbook does not outline your participation in an organized breeding program. You report a successful birth of a Grevy's; however, you have not documented whether your breeding program is part of a larger program within the U.S. or internationally. There was no suggestion from AZA SSP in regards to our group of Grevy zebras offspring location. Our records of movement to another zoo show pricing information which is confidential between the seller and the buyer.
5. For all the species being sought, except for Baird's tapir, you indicate that you will join the SSP once you receive animals. Although you indicate that you have contacted various SSP coordinators, you have not provided documentation to indicate communication between your facility and SSP coordinators. Please provide documentation of your intention to join organized breeding programs. I am providing a screen shot attachment penguinssp.jpg showing us finding the path to becoming a sustainability partner. I am not sure if your aware but AZA is making it more difficult for non AZA zoos to be a part of an SSP. Just a few years ago if you wished to be part of an SSP you reached out to the coordinator, expressed you wanted to be a part of it, sent them your taxon reports and you were accepted. Now everything is going towards sustainability partnerships. This is a long drawn out process. Due to this ZAA (Zoological Association of America) has started working towards creating their own SSP programs called AMP (Animal Management Programs) in order to help maintain breeding programs.

Thanks,
David Bright - Zoo Director
<http://www.brightszoo.com>
david@brightszoo.com
mobile: 423-534-9959
office: 423-257-1927

Please consider the environment before printing this email.

From: "Caroline I Harlow" <caroline_harlow@fws.gov>
To: "Tony Bright" <tonyb@brightszoo.com>, "david" <david@brightszoo.com>
Sent: Thursday, March 26, 2020 5:54:09 AM
Subject: Fw: 51201D CBW application

Mr. Bright,

I am not sure why this e-mail was not received, but I have forwarded it. I am sorry that this did not make it to your end. I look forward to your response, as you are very prompt.

We do have a skeleton crew in the office right now handling mail; however, I do not know how long that will last as things are changing daily. Any response you send to me via e-mail should be sufficient but feel free to send a hard copy as I know you have had issues in the past.

Thank you for your patience and I will be looking for your information.

Caroline Harlow
Biologist
Division of Management Authority

Branch of Permits MS:IA
5275 Leesburg Pike
Falls Church, VA 22041

From: Harlow, Caroline I
Sent: Friday, March 13, 2020 9:39 AM
To: Tony Bright <tonyb@brightszoo.com>
Subject: 51201D CBW application

Mr. Bright:

Thank you for your prompt response to my inquiries. I appreciate the detailed expertise of zoo personnel and the dimensions of each enclosure.

Based on my review of your annual reports submitted with your previous CBW, it appears that, other than successful births, you have not conducted any activities under your CBW. The CBW registration system is designed to facilitate interstate movement of animals authorized under a registration for conservation breeding. Maintaining endangered and threatened wildlife do not require a CBW. Loans, donations, and gifts do not require a permit provided you maintain records of the transaction.

Furthermore, I will need some clarification on your responses in order to complete my review.

1. For the jackass penguins, it appears that you do not have current facilities. I will need a photograph of the completed facilities.
2. For cotton-top tamarins, you make mention of a troop in your application; however, you did not indicate the total number of cotton-top tamarins in question 6 of your initial submission. Can you clarify that discrepancy? How many cotton-tops do you have (M:F)? Furthermore, you indicate that you have 10 x 10 enclosures for "each animal individually." Since these are social animals, what communal area does your troop share? Please provide a diagram, including dimensions, and a photograph of the communal area for this species.
3. For Lar gibbons, you state you have 5. You also report the successful birth of a lar gibbon. What is the M:F ratio of the animals you have? Since you have begun the process of joining the SSP, do you know when your admission will be granted? Have you discussed with them how your animals might be used in the SSP? Are any gibbons genetically underrepresented within the SSP and is a suitable mate being actively sought?
4. For Grevy's zebra, you state you belong to the International Grevy's zebra studbook. However, belonging to a studbook does not outline your participation in an organized breeding program. You report a successful birth of a Grevy's; however, you have not documented whether your breeding program is part of a larger program within the U.S. or internationally.
5. For all the species being sought, except for Baird's tapir, you indicate that you will join the SSP once you receive animals. Although you indicate that you have contacted various SSP coordinators, you have not provided documentation to indicate communication between your facility and SSP coordinators. Please provide documentation of your intention to join organized breeding programs.

In accordance with 50 CFR 13.11(e), if the requested information is not received by this office by **April 27, 2020**, 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.

Thank you,

Caroline Harlow
Biologist

3/30/2020

Mail - Harlow, Caroline I - Outlook

Division of Management Authority
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