



**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: IA
5275 Leesburg Pike
Falls Church, VA 22041-3803
1-800-358-2104 or 703-358-2104

Type of Activity

APPROVAL, AMENDMENT OR RENEWAL OF A COOPERATIVE BREEDING PROGRAM under the Wild Bird Conservation Act (WBCA)

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		1.b. First Name		1.c. Middle Name/Initial		1.d. Suffix	
2. Date of Birth (mm/dd/yyyy)		3. Telephone Number		3.a. Alternate Telephone Number		4. E-mail address	

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				1.b. Doing business as (DBA)			
2. Tax identification no.				3. Description of business, agency, Tribe, or institution			
4.a. Principal officer Last name		4.b. Principal officer First Name		4.c. Principal officer Middle name/initial		4.d. Suffix	
5. Principal officer title			6. Primary contact name				
7.a. Business telephone number		7.b. Alternate telephone number		7.c. Business fax number		7.d. Business e-mail address	

Section C: All applicants complete address information

[Redacted] (Street #, Suite #, or Room #; no P.O. Boxes)						
1.b. City	1.c. State		1.d. Zip code/Postal code		1.e. County/Province	1.f. Country
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 identified on page 2. Federal, Tribal, State, and local government agencies, and those acting on behalf of such agencies, are exempt from the processing fee – <i>attach documentation of fee exempt status as outlined in instructions</i> [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)

Please continue to next page

E. Approval, Amendment or Renewal of a Cooperative Breeding Program (WBCA)

Note 1: This application must be approved before import permits can be issued for the purpose of cooperative breeding. A Cooperative Breeding Program (CBP) must have at least two members. Zoological institutions may be members of a CBP. Once a program is approved, you must submit application form 3-200-48 to request import authorization for specific birds.

Note 2: The lead cooperator (as identified on page 1) for the breeding program **must submit this application.**

Complete all relevant questions on the application. Mark questions that are not applicable with "N/A". Due to the length of some questions, please use separate sheets of paper to answer the application questions. On all attachments or separate sheets you are submitting; please indicate the number of the application question you are addressing. If requesting authorization for more than one species or subspecies, please answer questions 5 – 9 for each species/subspecies.

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 in expediting 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.

I want to:

Establish a **new** cooperative breeding program (Please answer all questions)
PROCESSING FEE = \$200

Amend an existing cooperative breeding program; CBP # _____
(If requesting new species, answers questions 4, 5, 6, 7, and 8; If requesting to add a member, answer question 6) PROCESSING FEE = \$100

Renew an existing cooperative breeding program; CBP # _____
(If there are no changes to the membership or species in the CBP, please answer questions 8 and 9)
PROCESSING FEE = \$50

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 regular mail through the U.S. Postal Service.

2. Who should we contact if we have questions about the application (name, phone number, and e-mail)?



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. A description of the species/subspecies to be covered (imported) under the program, including:
 - a. Scientific name (genus, species, and, if applicable, subspecies) and common name;
 - b. Number of birds requested to meet the goals of the program (**Note:** indicate the total number of birds to be imported by all the members of the CBP for the life of the program);
 - c. The minimum number of participating facilities needed to achieve management objectives (provide an explanation of how this number was derived);
 - d. Desired sex ratio.

5. A statement justifying the need for this approval, which includes information on the current U.S. captive population of the requested species/subspecies and the need for importing additional specimens. Information should include, whether there is high trade of the species; if it is being captive-bred for re-introduction purposes; whether you are collaborating with other groups to promote in-situ conservation and the sustainability of the species in the long-term.
 - a. Provide a description of the cooperative breeding program that includes: whether managing genetic diversity as an important component to creating a long-term sustainable captive population. What scientifically grounded method(s) does the CBP intend to use to measure both projected and current levels of genetic diversity within the population? For projected genetic diversity, what is the time frame that will be considered (for example, projected genetic diversity at 100 years of 10 generations);
 - b. Description of the long-term plans for developing and maintaining a self-sustaining population in captivity of the exotic bird species;

b. In the table below, please provide the requested information for each type of holding space that will be used to house CBP birds. Use one row for each holding space type (flight cages with different dimensions should be listed on separate rows as should indoor vs. outdoor aviaries).

1. CBP member, facility name	2. Aviary type (outdoor vs. indoor flight cage, etc.). Add a separate row for each type of aviary.	3. Dimensions of specific aviary/holding space (W x L x H). Please specify units (feet, inches, etc.)	4. How many aviaries fit these specifications?	5. What species (scientific name) will be housed in this type of aviary?	6. How many birds will be housed in each of the aviaries?	7. Will the birds be housed here permanently? If not, please provide additional information in the comments box below (i.e. why will the birds be moved and for how long).
EXAMPLE	Outdoor flight	10'x10'x8'	4	<i>Amazona ochrocephala</i>	Up to 4 birds in two of the flight cages. The two remaining flight cages will be vacant for future imports.	These cages will be used to socialize young birds or for surplus birds
EXAMPLE	Outdoor flight	8'x5'x7'	2	<i>Amazona ochrocephala</i>	2	These will be permanent breeding cages and the birds will remain here for multiple breeding seasons. If these birds are transferred we will include that information in our CBP annual report.

- 4a) Papuan Hornbill (*Rhyticeros plicatus*)
Rufous Hornbill (*Buceros hydrocorax*)
Wreathed Hornbill (*Rhyticeros undulatus*)
Wrinkled Hornbill (*Rhabdotorrhinus corrugatus*)
Rhinoceros Hornbill (*Buceros rhinoceros*)
Indian Hornbill (*Buceros bicornis*)
- 4b) Papuan Hornbill – currently 6 male and 4 female birds in program. Requesting 20 additional birds.
Rufous Hornbill- currently 12 birds approved in program. Requesting 18 additional birds.
Wreathed Hornbill - currently 0 birds approved in program. Requesting 30 birds.
Wrinkled Hornbill - currently 0 birds approved in program. Requesting 30 birds.
Rhinoceros Hornbill- currently 0 birds approved in program. Requesting 30 birds.
Indian Hornbill - currently 0 birds approved in program. Requesting 30 additional birds.
- 4c) Dallas World Aquarium, Bret Padgett, Zoo World, Steve Duncan, Gulf Breeze Zoo(future member)
- 4d) All requested species require equal sex ratios, except Papuan Hornbills. During importation, 2 females were lost. We therefore request 20 birds, equal ratio and 2 extra females.
- 5a) The US captive population of all Asian Hornbill species is very small, hence the need for this Cooperative Breeding Program which was established in 2017. Members do occasionally collaborate with SSP programs, if one exists(ie, Wreathed Hornbill). Even where SSPs do exist, facilities are desperate for new genetics. We have requested 30 birds for each species, as anything less would be contrary to a long term genetically diverse population. Previously 6 pairs were permitted for the species that were allowed, and this number is arbitrary and counterproductive to USFWS own goals of the CBP-establishing a self sustaining population. We believe, based on Asian Hornbills life expectancy of 40 years, sexual maturity of 4-5 years, and annual maximum offspring of 2-3, that 30 birds will be sufficient to maintain genetic diversity past 50 years. **USFWS specifically stated in their previous denial letter(dated Dec 11, 2020) that we could obtain more birds after breeding success was shown. In 2020 CBP member produced 2 Papuan Hornbill chicks and in 2021 produced 4 Papuan Hornbill eggs. All members of Rhyticeros and Buceros are identical as far as breeding protocols.**

5b) We will maintain the imported birds in member facilities, with offspring going to other ZAA, AZA or serious private facilities. Some birds may be entered into SSPs.

5c) Captve bred hornbills are usually banded, and wild caught birds are kept track by aviary number.

5d) The only Asian hornbill species allowed to be wild caught it the Papuan Hornbill. All others are captive bred. The relationship between the CBP and conservation in the wild is only that Americans are able to understand and appreciate the birds in zoos and facilities in the US, possibly leading to more awareness of wild habitats, which are being destroyed at a rate that cannot be undone. The purpose of the CBP is to establish a self sustaining captive population. Theoretically captive bred birds could be reintroduced to the wild, but habitat destruction likely forbids that possibility.

5e) All members are financially successful outside of this CBP, and the program is funded by the members directly.

5f) Imported birds remain with the CBP members unless otherwise authorized by USFWS. Offspring are offered to member, then ZAA, then AZA and private facilities. If members leave or the program is terminated, the imported birds would be offered to ZAA, then AZA, and lastly to the public. Likely members would choose to retain their imported birds, even if the CBP was terminated.

6a) All CBP members are required to be ZAA professional members, which requires meeting stringent standards of care.

6c) Outdoor Aviries







6d) Progeny housed at member facilities with parents

6e) All hornbills are kept in pairs with nest box. They are offered a variety of fruits, animal protein and low iron pellets.

6f) This was supplied for every renewal and amendment adding members. There is no reason and this is unnecessary for a species addition.

8a-b-c-d)

Member	Buceros hydrocorax held	Rhyticeros plicatus held	Species bred	Number of eggs	Number of Chicks	Deaths	Reason
Bret Padgett	1.1	4.4	R. plicatus	4	0	2 plicatus	Quarantine/DOA
Dallas World	2.2	0.2	NA	0	0	0	NA
ZooWorld	0	0	NA	0	0	0	NA
Steve Duncan	1.1	0	R. plicatus	2	2	0	NA
Gulf Breeze	0	0	0	0	0	0	NA



United States Department of the Interior



FISH AND WILDLIFE SERVICE
International Affairs
5275 Leesburg Pike, MS: IA
Falls Church, VA 22041-3803

December 11, 2020

IN REPLY REFER TO:
FWS/DMA/CB042

Vernon B. Padgett

[REDACTED]
Atlanta, Georgia 30350

Via email: [REDACTED]

Dear Mr. Padgett:

This letter responds to your application dated September 27, 2019, to renew and amend the Captive Breeding Program for Underrepresented Bucerotidae and Psittaciformes in Aviculture (CB042). After careful review and consideration, under the criteria for approval of cooperative breeding programs contained in Title 50 of the Code of Federal Regulations (50 CFR), Section [15.26](#), it is the decision of this office to approve your request to renew CB042, approve your request to amend CB042 to include the red-knobbed hornbill (*Aceros cassidix*) into CB042, and to deny your request for 25 (12 males and 13 females) red-knobbed hornbills to be approved for import into CB042. The Division of Scientific Authority has recommended 12 (6 males and 6 females) red-knobbed hornbills for approval for import into CB042, as hornbills are notoriously challenging to breed in captivity. We recognize that this is fewer birds than you requested. You may apply to amend the cooperative breeding program to include additional birds once breeding success with the species has been demonstrated.

In addition, it is the decision of this office to deny your request to amend CB042 by increasing the total number of Papuan hornbills (*Aceros plicatus*) approved for import into CB042 to 26 (12 males and 14 females), and to deny your request to amend CB042 by increasing the total number of rufous hornbill (*Buceros hydrocorax*) approved for import into CB042 to 24 (12 males and 12 females), as the cooperative breeding program has not yet shown breeding success with Papuan hornbills or rufous hornbills. At this time, the Division of Scientific Authority does not recommend approval of your request to amend the quantities of Papuan hornbills and rufous hornbills approved for import into CB042. However, you may apply to amend the cooperative breeding program to include additional birds once breeding success with these species has been demonstrated.

Further, having reviewed the information you supplied, it is the decision of this office to amend CB042 by approving your request to add Steve Duncan and Kayte Hogan-ZooWorld Zoological and Botanical Conservatory (Zoo World) as members of the Captive Breeding Program for Underrepresented Bucerotidae and Psittaciformes in Aviculture (CB042). This letter serves as official notification that Steve Duncan and Zoo World are approved for inclusion into CB042 and have been added as members of Captive Breeding Program for Underrepresented Bucerotidae and Psittaciformes in Aviculture (CB042). Please ensure that all current and prospective members of your cooperative breeding program are fully informed of their obligations under this program, including compliance with 50 CFR Parts 13 and 15.

Below are the species and quantities of birds approved for this program:

<u>Species:</u>	<u>Specimens approved:</u>
Asian pied hornbill (<i>Anthracoceros albirostris</i>)	12.12
Papuan hornbill (<i>Aceros plicatus</i>)	6.6
Rufous hornbill (<i>Buceros hydrocorax</i>)	6.6
Red-knobbed hornbill (<i>Aceros cassidix</i>)	6.6
Pesquets parrot (<i>Psittrichas fulgidus</i>)	6.6

Cooperative Breeding Program Name: Captive Breeding Program for Underrepresented Bucerotidae and Psittaciformes in Aviculture

Oversight Organization: Zoological Association of America (ZAA) Cooperative Breeding

Program #: CB042

Species: Asian pied hornbill (*Anthracoceros albirostris*), Papuan hornbill (*Aceros plicatus*), rufous hornbill (*Buceros hydrocorax*), red-knobbed hornbill (*Aceros cassidix*), Pesquets parrot (*Psittrichas fulgidus*)

Program Members: Vernon B. Padgett, Dallas World Aquarium, John Bornemann, Steve Duncan, Kayte Hogan-ZooWorld Zoological and Botanical Conservatory (Zoo World)

As provided in [50 CFR 13.29\(a\)](#), you may request reconsideration of our denial decisions described above. Such a request must be submitted in writing with the original signature of the person requesting reconsideration or by that person’s legal representative, must contain a certification statement as provided at [50 CFR 13.12\(a\)\(5\)](#), and must be received in this office within 45 calendar days of the date of this letter. The reconsideration of the decisions denying your requests described above will be based on the information you provided in your original application. As such, your letter requesting reconsideration must address how our decisions to deny your original application requests as described above were based on a misinterpretation of the information provided in your application, or it must present a clarification of this information. Should you supply new information that changes the content of your original

application, a new application will need to be submitted to this office before such information can be considered.

Conditions: All birds imported for this cooperative breeding program must remain within a cooperative breeding program approved by the U.S. Fish and Wildlife Service (Service) for these species and may not be loaned, sold or transferred for any reason including breeding purposes unless otherwise authorized by this office. An imported bird may only be disposed of outside a Service- approved program for reasons such as the genetic line is well represented by offspring retained in the program or the bird is unable to breed. Prior to disposing of a bird outside the program, you must make it available to other Service-approved programs for the species. To dispose of an imported bird outside an approved program, you must submit a written request to this office that includes justification for disposing of the bird and a statement of how the bird will be disposed (e.g., donated to a zoo, sold to a private individual, etc.). Additionally, the oversight organization for the program must send a letter indicating its agreement with the decision to remove the imported bird from the program. After we receive the information, this office will inform you of our decision regarding your request to dispose of an imported bird outside the cooperative breeding program.

With regard to birds produced within the program, the program members must retain a sufficient number of offspring produced to fulfill the goals of the cooperative breeding program as outlined in your original approval application. As with imported birds, prior to disposing of a bird produced in your cooperative breeding program, you must make it available to other Service-approved programs for the species. However, disposing of offspring does not require prior approval of this office.

Additional individuals may be added to the cooperative breeding program provided that they have demonstrated breeding success with the same or similar species. To add individuals to your program, you must submit a written request to this office and provide several years of breeding records for each individual proposed, which must demonstrate breeding success with the same or similar species to those in the approved program. In addition, we must receive official notification from the oversight organization specified in the cooperative breeding program application, indicating that each additional individual has met the established criteria for acceptance into the cooperative breeding program. Individuals to whom specimens will be loaned for any purpose must become members of the cooperative breeding program. You may designate them as “non-breeding members.” To include these individuals in the cooperative breeding program, you must provide this office with their names, contact information, and qualifications (e.g., FWS migratory bird permit number). In contrast to program members who will be undertaking breeding, we do not require a letter of endorsement from the oversight organization for “non-breeding members.”

The cooperative breeding program must maintain records of all birds possessed through this program, which must include the number, species, and sex of all birds imported for the program,

as well as dates of import, countries of origin, and disposition of the imported birds. For each program participant, you must also maintain a record of breeding activity, including the number of eggs and progeny produced, and the disposition of any progeny. Finally, you must maintain a record of mortality experienced within the program that includes the location of the bird when it died and the cause, if known. For birds that died in quarantine, you must obtain documentation indicating such from the appropriate USDA/APHIS/Veterinary Services office. These records must be made available to the Service upon our request, and when you submit a request for the renewal or amendment of the cooperative breeding program.

For cooperative breeding programs that include species listed in Appendix I of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), imports of Appendix-I specimens for commercial purposes must be from a CITES-registered breeding operation. A directory of CITES-registered breeding operations, including U.S. operations, can be found in the Register of Captive-Breeding Operations on the CITES website (http://www.cites.org/common/reg/e_cb.html). For those species covered under the Migratory Bird Treaty Act (MBTA), MBTA authorization is required in order to import, possess, and sell specimens of those species. Additional information on the MBTA can be found at MBTA (<https://www.fws.gov/birds/policies-and-regulations/laws-legislations/migratory-bird-treaty-act.php>).

General Permit Procedures: Any application to import the species included under this cooperative breeding program must include information from the exporter on the origin of the specimens, and copies of CITES export permits from the range country to show that the specimens were legally acquired. If the specimens to be imported are captive bred, documentation must be provided to demonstrate legal acquisition of the parental stock from which the specimens were derived.

Imports of birds for this cooperative breeding program must meet all applicable requirements. This notice entitles members of this cooperative breeding program who are listed above as Program Members, to apply for permits to import the exotic bird species listed above that are otherwise prohibited from import under 50 CFR Section 15.11. Please be aware that 50 CFR Part 15.11(f) states: It is unlawful for any person subject to the jurisdiction of the United States to engage in any activity with an exotic bird imported under a permit issued pursuant to this part that violates a condition of said permit. An application to import birds under an approved cooperative breeding program is available on our website at https://fwsepermits.servicenowservices.com/fws?id=fws_index. Please be advised that the estimated processing time for these import permit applications is sixty (60) days.

Mr. Vernon B. Padgett

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Please direct any inquiries regarding this approval or the cooperative breeding program to Biologist Clifton A. Horton of this office by e-mail, clifton_horton@fws.gov.

Sincerely,

Laura S. Noguchi, Chief
Wildlife Trade and Conservation Branch
Division of Management Authority

Re: [EXTERNAL] Re: CB042; Amendment Application (new spp) # CS0082381

Vargas, Darcy <darcy_vargas@fws.gov>

Tue 11/16/2021 10:12 AM

To: Bret [REDACTED]

Good morning,

It might help if I clarify what I am looking at.

These are the Spps requested on your amendment application. Only 2 of them (in red) were also on your CB02, December 11, 2020, approved letter. Hence, the first 4 species in this list appear to be 'new species' amendment requests:

1. Wreathed Hornbill (*Rhyticeros undulatus*);
2. Wrinkled Hornbill (*Rhabdotorrhinus corrugatus*);
3. Rhinoceros Hornbill (*Buceros rhinoceros*);
4. Indian Hornbill (*Buceros bicornis*);
5. Papuan Hornbill (*Rhyticeros plicatus*) *This is the correct scientific name;
6. Rufous Hornbill (*Buceros hydrocorax*)

*These are all previous approved spp, shown on your December 11, 2020, CB042 approval letter. Only 2 species are on current amendment application:

1. Asian pied hornbill (*Anthracoceros albirostris*), 12.12;
2. Papuan hornbill (*Aceros plicatus*), 6.6 *Our ltr had an outdated scientific name;
3. Rufous hornbill (*Buceros hydrocorax*), 6.6;
4. Red-knobbed hornbill (*Aceros cassidix*), 6.6;
5. Pesquets parrot (*Psittichas fulgidus*), 6.6.

Based on the above, we are asking if you want to keep the previous approvals (in purple) in your program or if not, please let us know the status of them within your program.

Kind regards,

Darcy Vargas 
 Biologist
 US Fish and Wildlife Service
 MS: IA
 5275 Leesburg Pike
 Falls Church, VA 22041-3803
 www.fws.gov
 www.cites.org

From: Bret [REDACTED]

Sent: Tuesday, November 16, 2021 9:59 AM

To: Vargas, Darcy <darcy_vargas@fws.gov>

Subject: [EXTERNAL] Re: CB042; Amendment Application (new spp) # CS0082381

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

Morning,

Im confused by this question. So none of these 4 species you listed below are currently part of Cooperative Breeding Program 042. I am amending to add these four new species, as well as additional birds from the species that are already part of CB042(Rhyticeros plicatus and Buceros hydrocorax).

What do you mean when you say still being held?

Also, none of the four species below are allowed to be wild caught by any country, so all birds would have to be captive bred.

Bret

On Tuesday, November 16, 2021, 09:51:09 AM EST, Vargas, Darcy <darcy_vargas@fws.gov> wrote:

Good morning,

I was able to review your application already and I only need to confirm one thing at this time. Before we determine if your request would be non-detrimental to the survival of each species in the wild, can you please clarify the status of the following species (number of each species still being held by which members) and confirm if they will no longer be included in this cooperative breeding program:

1. Wreathed Hornbill (*Rhyticeros undulatus*);
2. Wrinkled Hornbill (*Rhabdotorrhinus corrugatus*);
3. Rhinoceros Hornbill (*Buceros rhinoceros*);
4. Indian Hornbill (*Buceros bicornis*)

Kind regards,

Darcy Vargas 
 Biologist
 US Fish and Wildlife Service
 MS: IA
 5275 Leesburg Pike
 Falls Church, VA 22041-3803
 www.fws.gov
 www.cites.org

Re: [EXTERNAL] Re: CB042; Amendment Application (new spp) # CS0082381

Bret [REDACTED]

Tue 11/16/2021 10:31 AM

To: Vargas, Darcy <darcy_vargas@fws.gov>

I think I understand the question. So I **don't** want to remove any previously approved species or animals. This amendment was to add 4 new species (undulatus, corrugatus, rhinoceros, and bicornis). The amendment also requests additional birds of already approved species (plicatus and hydrocorax). Everything else remains the same.

In 2017 and, we imported 12 Rhyticeros plicatus of which 2 died in transit/quarantine. Currently, 4m/4f are housed at Bret Padgett and 2m/0f are housed at Dallas World Aquarium. This species was bred recently by members of CB042, with 2 chicks produced in 2020 and 4 eggs in 2021.

In 2018 and, we imported 6 Buceros hydrocorax. Currently, 1m/1f are housed at Bret Padgett and 2m/2f are housed at Dallas World Aquarium.

All of the large Asian Hornbills have identical breeding habits.

Let me know any other questions you may have.

Bret

On Tuesday, November 16, 2021, 10:12:23 AM EST, Vargas, Darcy <darcy_vargas@fws.gov> wrote:

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Kind regards,

Darcy Vargas 
 Biologist
 US Fish and Wildlife Service
 MS: IA
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 Falls Church, VA 22041-3803
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From: Bret [REDACTED]
 Sent: Tuesday, November 16, 2021 9:59 AM
 To: Vargas, Darcy <darcy_vargas@fws.gov>
 Subject: [EXTERNAL] Re: CB042; Amendment Application (new spp) # CS0082381

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2. Wrinkled Hornbill (*Rhabdotorrhinus corrugatus*);
3. Rhinoceros Hornbill (*Buceros rhinoceros*);
4. Indian Hornbill (*Buceros bicornis*)

Kind regards,

Darcy Vargas 
 Biologist
 US Fish and Wildlife Service

[EXTERNAL] Re: CB038 Management Plan Info & Future FWS Contact

Bret <[REDACTED]>
Thu 12/16/2021 9:15 AM
To: Vargas, Darcy <darcy_vargas@fws.gov>

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Hi Darcy,

I've attached a supplement to my current CB042 Amendment application. Like we discussed, this deals with members leaving and bird identification. Also new parrot species. Can you add this to the application?

Thanks!
Bret

On Wednesday, December 1, 2021, 04:15:06 PM EST, Vargas, Darcy <darcy_vargas@fws.gov> wrote:

Hi Bret,

It was nice speaking with you earlier today. Attached is a copy of your CB038 management plan information that we have on file from 2013. We can try to update the information with your next application amendment or renewal.

Regarding your CB042, I will await your updated management plan information, and then share it with our scientific authority.

My last day detailing into this position is December 31, 2021. I am unaware of whom will be taking over the position after then. Therefore, I would like to provide my current supervisor's email, for any requests submitted next year: naimah_aziz@fws.gov. She is also the chief of our Wildlife Trade and Conservation Branch's (WTCB). Even though we have our online system, if a new application is submitted after Dec. 31 of this year, I highly recommend that you also email Niamah to let her know each time an application is entered into the system.

Kind regards,

Darcy Vargas 
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4a) current application plus supplement with the addition of three other parrot species, the Painted Conure(*Pyrrhura picta*), Fiery Shouldered Conure(*Pyrrhura egregia*) and Blue Headed Pionus(*Pionus menstruus*).

We realize numerous species have been requested to be added with this amendment. We do not currently have the aviaries to house the amount of birds that **could** be imported after this amendment. However, this is not the intent. We intend to import these different species over many years, not all at once. However, we do not know what species will be available first, which is why we ask that they all be included in the cooperative breeding program.

4b) 30.30 of each species

5c) Imported birds and their offspring will be identified by aviary number or microchip. While we previously used bands to identify birds, we have had several accidents relating to bands getting caught and breaking legs or causing death. Although some birds are still banded, we generally do not use bands. Even properly fitted bands carry risk for an accident we have found.

5f)

To add clarity to the program and to avoid future disputes, we are adding amended language to this section.

Imported birds will remain with program members unless:

-A member leaves voluntarily or involuntarily, in which case the members imported birds will be offered in this order; to other program members at fair value, to ZAA members at fair value, to AZA members at fair value, to the general public at fair value. The lead cooperator will provide documentation of a good faith effort at this dispersal method to USFWS should a member exit.

-The program is terminated voluntarily or involuntarily, in which case the members imported birds will be offered in this order; to other (previous)program members at fair value, to ZAA members at fair value, to AZA members at fair value, to the general public at fair value. The lead cooperator will provide documentation of a good faith effort at this dispersal method to USFWS should the program be terminated.

-A bird is unfit for breeding. Member will provide vet documentation stating reason bird is unfit for breeding. In such a rare case, the members unfit imported birds will be offered in this order; to other program members at fair value, to ZAA members at fair value, to AZA members at fair value, to the general public at fair value.

-Offspring of imported birds will be retained as deemed necessary by the members to maintain future breeding of the species, but most offspring will be offered first to ZAA members and then to the general public to fulfill the goal of a self sustaining captive population.

-Fair Value is determined by the member who owns the bird and allocated the resources and funds to acquire the bird