OMB Control No. 1018-0093
Expires 12/31/2026

Captive-Bred Wildlife Registration (CBW) (ESA)
☐New ☐Reissue/Renew ☐Amendment

APPLICATION FORM INSTRUCTIONS

The following instructions pertain to U.S. Fish and Wildlife Service (FWS) permit applications. The General Permit Procedures in 50 CFR 13 address the permitting process. For simplicity, all licenses, permits, registrations, and certificates are referred to as a permit.

If you are an individual, who would be named on the face of the permit, you need to complete the **Individual Applicant** section of this application.

If you are an individual seeking permits issued to yourself for activities not associated with your business or institution, you need to complete the **Individual Applicant** section as an individual permittee.

If you are an individual associated with a business or institution, and the business or institution's name would appear on the face of the permit, you need to complete the **Business Applicant** section of this application.

If you are a business applying on behalf of an individual, you need to complete the **Business Applicant** section of this application and include a limited power of attorney from the person for whom you represent.

A person/entity is qualified to obtain a U.S. Fish and Wildlife Service permit or license when they are "subject to the jurisdiction of the United States", per 16 USC 1532(13). A foreign person/entity with no permanent physical presence in the United States only qualifies for an import/export license when they physically enter or exit the U.S. with the wildlife items. The foreign entity is required to designate a U.S. agent for purposes of record keeping.

GENERAL INSTRUCTIONS:

- An incomplete application may cause delays in processing or may be returned to the applicant. Be sure you are filling in the appropriate application form for the proposed activity. Items marked with an asterisk (*) are required fields.
- Print clearly or type in the information. Illegible applications may cause delays.
- Sign the application. Faxes or copies of the original signature will not be accepted.
- If you choose to mail your submission, mail the original application to the address listed below or, if applicable, on the attached address list. We encourage electronic filing in the ePermits system.
- Keep a copy of your completed application.
- Please plan ahead. Unless otherwise indicated, allow at least 60 days for your application to be processed, however, some applications may take longer than 90 days to process (50 CFR 13.11). Longer processing times will be noted on those applications.
- Applications are processed in the order they are received.

Individual or Business Applicants:

Individual Applicant. **Complete if applying as an individual** [do not complete this application if applying for Import/Export License (3-200-3) or a Designated Port Exception Permit (3-200-2)]:

- Enter the information requested. Required fields must be completed. This is used to create your profile and consumer information in the ePermits system. **If you do not have an email address, enter not applicable.**
- **Doing business as (dba) / Affiliation**: The Division of Management Authority (DMA) and the Office of Law Enforcement (OLE) do **not** accept *doing business as* affiliations for individuals seeking permits on behalf of themselves. "Doing business as" affiliations apply to individuals seeking permits for a business, agency, Tribe, organizational, or institutional affiliation *directly* related to the activity requested in the application. For example, a taxidermist is an individual whose business can *directly* relate to the requested activity of exporting taxidermy (dba relevant permit); however, said taxidermist should not apply as a business for permits to non-business related travel with their pet exotic parrot (dba is **not** relevant to the permit; **complete** the **Business Applicant** section).

Business Applicant. **Complete if applying as a business, corporation, public agency, Tribe, or institution:**

- Enter the information requested. Required fields must be completed. This is used to create your contact and account information in the ePermits system. **If you do not have an email address, enter not applicable.**
- If you are applying on behalf of a client, a document evidencing **power of attorney** must be included with the application.
- **Principal Officer** is the person in charge of the listed business, corporation, public agency, Tribe, or institution. The principal officer is the person responsible for the application and any permitted activities. Often the principal officer is a Director or President.
- **The Contact** is the person at the business, corporation, public agency, or institution who will be available to answer questions about the application or permitted activities. Often this is the preparer of the application. Each person that is associated with the business that would need to access the business account needs to create their own contact in the ePermits system.

Application processing fee:

- An application processing fee is required at the time of application, unless exempted under 50 CFR 13. The application processing fee is assessed to partially cover the cost of processing a request. **The fee does not guarantee the issuance of a permit, nor will fees be refunded for applications for which processing has begun. Checks or money orders must be for the exact amount for each application submitted. If you are making more than one request, you must submit a separate payment for each request, otherwise your application will be returned.**
- **Documentation of fee exempt status is not required for applications submitted by Federal, Tribal, State, or local government agencies; but must be supplied by those applicants acting on behalf of such agencies**. Such applications must include a letter on agency letterhead and signed by the head of the unit of government for which the applicant is acting on behalf, confirming that the applicant will be carrying out the permitted activity for the agency.

CERTIFICATION:

- The individual identified in the Individual Applicant Section, the principal officer named in the Business Applicant Section, or person with a valid power of attorney (documentation must be included in the application) must sign and date the application. This signature legally binds the applicant to the statement of certification. You are certifying that you have read and understand the regulations that apply to the permit. You are also certifying that all information included in the application is true to the best of your knowledge. Be sure to read the statement and re-read the application and your answers before signing.

ALL APPLICANTS COMPLETE THE QUESTIONS ASSOCIATED WITH YOUR APPLICATION

Please continue to next page. DO NOT RETURN THIS PAGE WITH THE APPLICATION

Mail applications to: U.S. Fish and Wildlife Service; Division of Management Authority; Branch of Permits, MS:IA; 5275 Leesburg Pike; Falls Church, Virginia 22041-3803 or as directed by specific applications.

If you would like expedited mailing, 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.

Please refer to the fee schedule for the appropriate fees for the activity you are requesting.

If you are making more than one request, you must submit a separate payment for each request, otherwise your application will be returned.

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INDIVIDUAL APPLICANTS

*First Name	Middle Name	*Last Name

*Email Address	Telephone Number

*Street Address	*City

*State/Province	*Zip or Postal Code	*Country

If you wish to have your permit mailed to a different address, complete the following:

*Street Address	*City

*State/Province	*Zip or Postal Code	*Country

If you would like expedited mailing, 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.

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

☒ No ☐ Yes

If you answered "Yes", 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.

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Certification Statement

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 and date

Include a check or money order, payable to the U.S. FISH AND WILDLIFE SERVICE, as **a nonrefundable processing fee [50 CFR 13.11(d)(4)]** (see instructions above). 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))

*Required fields. Applications without this information are subject to delays or returns.

BUSINESS APPLICANTS

*Business Name	doing business as (dba)
Gibbon Conservation Center	

*Indicate your business type:

☐ Business or other for profit ☐ Small business ☐ Government (Federal/State/Local/Tribal)

☐ Farm ☒ Not-for-profit institution

Name that will appear on the permit if you are applying on behalf of an individual/business

*Primary Contact Name	*Primary Contact Email Address
Gabriella Skollar	gabi@gibboncenter.org
***Business Email Address**	***Preferred Contact Method** (e.g. phone, email)
info@gibboncenter.org	email

*Principal Officer Name	*Principal Officer Title	*Principal Officer Email
Gabriella Skollar	Director	gabi@gibboncenter.org
Tax ID Number	***Business Phone**	**Alternate Phone**
95-4256306	661-219-4785	

*Street Address	*City
19100 Esguerra Rd	Santa Clarita

*State/Province	*Zip or Postal Code	*Country
California	91390	Los Angeles

If you wish to have your permit mailed to a different address, complete the following:

*Street Address	*City
PO Box 800249	Santa Clarita

*State/Province	*Zip or Postal Code	*Country
California	91380	Los Angeles

If you would like expedited mailing, 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.

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

☒ No ☐ Yes

If you answered "Yes", 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.

Certification Statement

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.

Gabriella Skollar Digitally signed by Gabriella Skollar
Date: 2025.03.08 07:19:41 -08'00'

Signature and date

Include a check or money order, payable to the U.S. FISH AND WILDLIFE SERVICE, as **a nonrefundable processing fee [50 CFR 13.11(d)(4)]** (see instructions above). 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))

*Required fields. Applications without this information are subject to delays or returns.

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CAPTIVE-BRED WILDLIFE REGISTRATION (ESA)

Please use the following application for all CBW requests. The CBW registration was designed to facilitate export, re-import, and interstate and foreign commerce of exotic species that are captive born in the U.S. Obtaining a registration under the permitting regulations found at 50 CFR 17.21(g) means that otherwise prohibited activities are allowed for the purpose of enhancing the propagation or survival of the species (conservation breeding). Therefore, your application must show how your activities will either enhance organized breeding programs or *in situ* projects to enhance the survival of the species in the wild. Loans and donations are not prohibited by the ESA.

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.

NOTE: If a renewal application is submitted **thirty days or more** prior to the CBW Registration expiring, 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.

Use this form for:

☐ New application – complete Parts 1 and 2 of the application.

☐ Amendments [Permit number:_____] – complete Parts 1 and 2 of the application.

☒ Renew [Permit number: MA757434-1]

- You may renew your CBW once after 5 years, but after a CBW registration has been valid for 10 years, you must submit a completely new application, responding to all questions.
- If it has been less than 10 years since you submitted a completely new application, complete Parts 1 and 3 of this application.

NOTE: If you have a change of mailing address, you must notify the FWS within 10 days. If your facilities move, you will need to apply for an amendment.

If you maintain exotic wildlife in a natural setting, such as a ranch, complete Parts 1 and 2, and Part 4 of the application.

Part 1: All Applicants Must Complete

1. Provide copies of any license or registration under USDA Animal Welfare Act regulations (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.
2. 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 of such change taking place.
3. Provide a current inventory, including those out on loan, for each of the exotic 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.
4. Attach a brief resume for all senior animal care staff or personnel that will be working with or maintaining each species, including the number of years' experience with this species or similar species.

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Part 2: New Application, Amendment, or Renewal of CBW which are 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 non-applicable. If submitting hard copy pages, please indicate the species and the application question number you are addressing.

5. The scientific name (genus, species and, if applicable, subspecies) and common name of each species for which you wish to be registered.

6. Provide the name, address, and CBW registration number of the person(s) or institution(s) from whom you plan to acquire the wildlife, including the sale or loan agreements for the specimens. If currently unknown, describe your efforts, including documentation, to acquire appropriate specimens for your breeding efforts.

7. Indicate if there is an organized breeding program that you are currently involved with or if you have communicated with other breeding organizations regarding your potential participation in those programs. Provide documents to show you are currently involved with a breeding program or include any communication you have had with breeding organizations that you wish to be involved.

8. Provide a 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. Be specific**.

9. Provide a detailed description and documentation showing how your captive population is being managed to maintain its genetic vitality. If you do not currently maintain a sufficient number of specimens for each species being requested to successfully maintain the genetic viability of the species, you must participate in an organized breeding program. Please identify this program and provide documentation describing the objectives and goals of the program, and confirmation that you are a participant in this program.

10. If your activities include the holding of surplus animals (i.e., not currently needed in and not being bred) for an organized breeding 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.

11. 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.

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

    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 mortality?

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

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

12. Have there been any changes to your operation such as reconstruction or new construction, new facilities, or other physical changes?

    ☒ No ☐ Yes, please describe them.

13. Have there been any changes to senior staff or personnel changes that would affect how your operation handles the species included in the registration?

    ☒ No ☐ Yes, please describe these changes.

14. 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?

    ☒ No ☐ Yes, please describe these changes.

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

    ☒ No ☐ Yes, please provide additional information.

Part 4: Applications for wildlife that is maintained in a natural setting:

16. 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. Be specific.

17. How often do you conduct surveys of your wildlife?

18. How do you determine and identify which specimens are surplus to your operation?

19. What is the approximate maximum number of specimens of each species your facility can support?

20. What are you doing to prevent predation of stock?

21. Provide a detailed description as well as photographs clearly depicting your existing facilities, including space for future progeny, where the wildlife will be maintained.

State of California -The Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Wildlife Branch
1010 Riverside Parkway
West Sacramento, 95605
www.wildlife.ca.gov

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director

May 18, 2023

Ms. Gabriella Skollar
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380

Subject: **APPROVED, REQUEST TO EXEMPT THE GIBBON CONSERVATION CENTER FROM REQUIREMENTS TO OBTAIN A PERMIT TO CONDUCT SCIENTIFIC OR PUBLIC HEALTH RESEARCH WITH GIBBON SPECIES AT THE SANTUARY**

Dear Ms. Skollar:

This letter is in response to your request that the Gibbon Conservation Center ("GCC") be considered a *bona fide* research institution, as defined in Title 14, section 671.1(c)(3)(K) ("Section 671.1(c)(3)(K)"), and exempt from requirements to obtain appropriate restricted species permits to import, transport, and possess gibbons (family Hylobatidae; hereinafter, your request to exempt GCC from permitting requirements shall be called "Exemption Request"). The California Department of Fish and Wildlife ("Department") received your Exemption Request on July 5, 2021, and your additional documentation on May 5, 2022. The Department greatly appreciates your patience and apologizes for the delay in responding while it reviewed the Exemption Request. For the reasons described below, the Department approves your Exemption Request, and therefore, pursuant to Fish and Game Code section 2150(e) ("FGC 2150(e)"), GCC will not need to obtain a restricted species permit for activities involving species in the family Hylobatidae.

Authority:

FGC section 2118 ("FGC 2118") states in part:

> *It is unlawful to import, transport, possess, or release alive into this state, except under a revocable, nontransferable permit as provided in this chapter and the regulations pertaining thereto, any [restricted species]…*

FGC 2150(e) states:

> *Any university, college, governmental research agency, or other bona fide scientific institution, as defined in regulations adopted by the commission, engaging in scientific or public health research is exempt from any permit requirement pursuant to this chapter except for animals whose importation, transportation, or possession is determined by the department, in cooperation with the Department of Food and Agriculture, to be detrimental or cause damage to agriculture, native wildlife, or the public health or safety.*

California Code of Regulations, Title 14, section 671(a) ("T14, 671(a)") states in part:

> *It shall be unlawful to import, transport, or possess live animals restricted in subsection (c) below except under permit issued by the department. Permits may be issued by the department as specified herein and for purposes designated in Section 671.1 subject to the conditions and restrictions designated by the department…*

T14, 671(b) states in part:

> *The commission has determined the below listed animals are not normally domesticated in this state. Mammals listed to prevent the depletion of wild populations and to provide for animal welfare are termed "welfare animals", and are designated by the letter "W". Those species listed because they pose a threat to native wildlife, the agriculture interests of the state or to public health or safety are termed "detrimental animals" and are designated by the letter "D"…*

T14, 671(c)(2)(A) states:

> *(A) Order Primates-Monkeys, Apes*
> *All species (W), except humans in the Family Hominidae are not restricted.*

T14, 671.1(a) states in part:

> *General. It is unlawful for any person to import, export, transport, maintain, sell, dispose of, or use for any purpose any animal restricted by Section 671 except as authorized in a permit issued by the department…*

T14, 671.1(c)(3)(K) states:

> *Bona fide scientific research institutions, as identified in subsection 671.1(b)(9), shall submit the following with the initial application and for each additional new species (only required from persons who are not a university, college or governmental research agency and are asking for department determination as a bona fide scientific research institution):*
>
> > *1. At least one letter of recommendation from a university, college, governmental research agency or other bona fide scientific research institution, as recognized by the department, with expertise with the species and in the field of the proposed project. The letter shall contain specific reasons for the support and a statement verifying that the anticipated results are reasonably achievable using the species and techniques described.*
> >
> > *2. A description of the proposed project stating the objectives, and if experimental or manipulative, a study plan based on the "Scientific Method".*
> >
> > *3. The estimated completion date of the project.*
> >
> > *4. The anticipated benefits of this research.*

Department Determination – EXEMPTION REQUEST APPROVED
On July 5, 2021, the Department received your Exemption Request via email. Included with that request were letters of recommendation from researchers at Central Washington University (CWU), University of California Los Angeles (UCLA), and University of California San Diego (UCSD) supporting the GCC's involvement in gibbon research projects; a letter from the Oregon Health and Science University (OHSU) requesting gibbon DNA samples from the GCC for the purpose of studying gibbon genomics; and various current and pending research proposals involving gibbons that are housed at the GCC.

The Department reviewed your request and supporting documentation and made the following determinations:

- The letters of recommendation from Dr. Lori K. Sheeran, Primate Behavior and Ecology Program faculty at CWU; Dr. Helen Rees, Director of the World Music Center at UCLA; and Dr. Frederico Rossano, Assistant Professor of Cognitive Sciences at UCSD, meet the requirements established in CCR, Title 14, section 671.1(c)(3)(K)1 supporting the GCC as a scientific research institution and highlights that the GCC provides a unique environment for university faculty and students to conduct studies on various species of gibbons.

- The OHSU letter and two research proposals, one from Dr. Neta Ambar, a Zoological Medicine Resident at the University of Wisconsin – Madison, to study the microbiome of captive gibbons housed at the GCC and another from Dena Clink at Cornell University proposing passive acoustic monitoring studies to establish acoustic source levels of calling gibbons demonstrate appropriate scientific merit of recent, ongoing and proposed research at the GCC. These documents show that the GCC meets the requirements described in T14, 671.1(c)(3)(K)2, 671.1(c)(3)(K)3, and 671.1(c)(3)(K)4.

Based on the documentation you submitted, the Department is exempting the GCC from any permit requirement pursuant to Chapter 2 of Division 3 of the Fish and Game Code (FGC sections 2116-2210), including permitting requirements described in regulations adopted pursuant to these FGC sections, related to the GCC's importation, transportation, or possession of gibbons (family Hylobatidae). The exempted permitting requirements include, but are not limited to, requirements to obtain a restricted species permit, including research and exhibiting permits (T14, 671.1(a)); fee requirements related to those permits (T14, 703(a)); inspection requirements (T14, 671.8); and animal care and caging requirements (T14, 671.2 and 671.3). Authority granted by this exemption only applies to permitting requirements related to the importation, transportation, and possession of gibbons (family Hylobatidae) and does not apply to any other species listed pursuant to FGC 2118 or T14, 671(c). Additionally, the GCC must obtain appropriate licenses or permits required by other local, state, and/or federal agencies and comply with other local, state, and federal laws.

If you have any questions or require further assistance about this exemption, please contact Dr. Brandon Munk at (916) 261-2124 or Brandon.Munk@wildlife.ca.gov. If you have any questions about permits or the permitting process, please contact Ms. Maria "Lucy" Lopez at (916) 902-9107 or Maria.Lopez@wildlife.ca.gov.

Sincerely,

Scott Gardner

Scott Gardner, Wildlife Branch Chief
Wildlife Branch

Enclosure: *The Captive Gibbon (Hilobates spp.) Microbiome in Health and Disease*

Ec: Lieutenant Trevor Pell
California Department of Fish and Wildlife
Seal Beach, California

Mr. David Kiene
California Department of Fish and Wildlife
Sacramento, California

Dr. Deana Clifford
California Department of Fish and Wildlife
Sacramento, California

Dr. Brandon Munk
California Department of Fish and Wildlife
Sacramento, California

Ms. Maria “Lucy” Lopez
California Department of Fish and Wildlife
Sacramento, California

Mr. Xao Yang
California Department of Fish and Wildlife
Sacramento, California

Dr. Garry Kelley
California Department of Fish and Wildlife
Sacramento, California

PSYCHOLOGICAL WELL-BEING PLAN FOR PRIMATES

License/Registration No.: 93-R-0153/ 93-C-0340

Date: March 25, 2024

Facility: Gibbon Conservation Center

Address: 19100 Esquerra Rd, Santa Clarita, CA 91390

Social Grouping

Describe how social needs of social species are addressed, e.g. housing animals in compatible groups. Note: Individually housed animals must be able to see and hear nonhuman primates of their own or compatible species unless the attending veterinarian determines that it would endanger their health, safety, or well-being.

At the GCC the offspring are housed in species-typical family units until they reach adulthood.
Adult gibbons are housed as compatible pairs.

If a gibbon is housed alone, he/she is able to see and hear other gibbons in the neighboring enclosures.

- Family Groups
- Pairs
- 1 single males
- 2 single females

Environmental Enrichment

Describe how the physical environment will provide the means of expressing noninjurious species-typical activities, e.g., perches. Swings, mirrors, manipulanda, foraging-type feeding, varied food items, interaction with keepers, etc.

Enrichment is an essential factor in promoting the health and welfare of the gibbons at Gibbon Conservation Center (GCC). However, it is extremely important that all enrichment devices are appropriate to the species they are directed towards, that they are used by the gibbons and do not compromise the health and daily care of the gibbons in any way. The staff at GCC will do the best they can to accomplish our goals, with regular discussions between the director, primate keepers enabling information regarding successes, failures, and new innovations to be disseminated amongst those working to improve the enrichment program at GCC.

Goals

1 To promote naturalistic and healthy behaviors in captive gibbons.
2 To encourage activity and reduce abnormal behavior and stress.
3 To provide intellectual stimulation through the provision of appropriate enrichment activities.
4 To use enrichment to educate the visitors to the center about gibbons and their natural behaviors.

Planning/Approval

Safety must be considered with the utmost importance when enrichment activities/items are given. The director, who will follow safety standards, must approve all enrichment activity/items. Caution should be used when constructing enrichment devices that contain food, e.g. long cylinders should be avoided because gibbon's long arms may be injured during attempts to remove food. Food should not be offered in objects that can not be properly sanitised or easily inspected for mold or dried food.

When developing enrichment activities, it is essential that the health and safety of the gibbons be considered. Enrichment devices need to be disinfected daily and designed so that they will not result in injury to the gibbons. Enrichment activities also entail a higher degree of behavioral monitoring to ensure foreign object ingestion does not occur.

Implementation

Enrichment should be scheduled in advance and on a regular basis to allow for planning preparation and delivery of materials. This is to ensure variety and consistency.

Evaluation

Evaluation is an important part of any program. Enrichment programs are no exception. Evaluations should be done on all enrichment items given. This will help the program remain functional and efficient.

Current enrichment programs at GCC

At GCC the gibbons are housed in semi naturalistic enclosures 3 x 10 x 4 m high with a secondary enclosure, with at least one sleeping area per gibbon, shelter from weather extremes, and privacy from disturbances. To maximise the usage of vertical spaces, branches are spaced at various heights throughout the enclosure. Vertical ropes are attached at the roof and are .2 m above the ground, and resting platforms are placed above the ground. Gibbons are arboreal primates; therefore, it is always more natural for a gibbon to engage in enrichment activities that are situated above the ground.

It is important for the psychological well being of the gibbons to encourage natural behavior such as foraging (Poole, 1993; Shepherdson et al., 1998); thus, greens are placed on the wire roof of the secondary enclosure to stimulate foraging. Gibbons at GCC are fed six to eight times a day, offered a minimum of 20 different food sources and the food is alternated with a similar food source the following week, thereby providing a wider variety

of nutrients (Mootnick, 1997). Ice and frozen foods should not be offered to gibbons because of the risk of dental damage and spasms to the digestive tract. Paper and cardboard are not given since they are easily ingested and can also blow from one enclosure to another compromising sanitation. Rotation of enrichment devices is just as important as rotation of food sources. When enrichment devices are first introduced, they are used more frequently. As they become less interesting to the gibbons, the device should be removed, and replaced with a different device which could become novel and will also give the staff an opportunity to clean the previously used enrichment object. Devices that would not include the family unit would be discouraged, since it is more important that the gibbons spend time learning normal social skills.

Housing:

- Outdoor enclosures

4-5 meters high, 10-12 meters long, and 3-3/12 meters wide, (except for the siamang is 6 meters high)

Platforms
Branches and other swinging structures
Ropes
Feeding boxes in different locations
Primary and secondary enclosures
Insulated sleeping boxes
Mesh to provide privacy

The gibbons' enclosures at the GCC are high and long to enable swinging, leaping and the other acrobatic movement that is integral to these primates.
The enclosures are also 'shielded' with repositionable mesh panels to provide the privacy necessary for the highly-territorial gibbons' comfort – in the wild, gibbons don't often encounter other gibbons due to the dense canopy of their habitats and they are uncomfortable with seeing other gibbons in their territory.

Diet:
We feed the gibbons a nutritional diet including a wide range of fruits, leafy greens and vegetables.
We feed them 6-8 times a day in order to imitate how they would eat in the wild; to encourage social behaviors such as food sharing and to keep them active throughout the day.

- Fruits, leaves-leafy greens, vegetables, different protein sources
- In addition: vitamins, minerals, different oils as a supplement
-

Foraging throughout the day
Encourage social behavior
To monitor their health and food intake
To keep them active
Reduce problems with pests
Waste less food

- Adjusted to their personal preference, their needs, age, changes in the environment, time etc.

Special Considerations

Describe how the following types of animals will receive special attention.

Infants and Young Juveniles

Female gibbons usually give birth to a single infant after a six-and-a-half-month gestation period. The mother carries the infant on her ventral side and the infant is able to cling to the mother's fur soon after birth. In captivity, infants nurse up to two and a half years of age. The fathers also provide care for the infant. This has been observed in number of species of gibbons. It is well known that siamang fathers carry their infants after they are a year or so of age; allomaternal carrying of infants by older siblings has been observed in captivity too. In most cases gibbons can care for their offspring right after birth, but there are situations when human intervention is necessary.

It is important to recognize the signs that an infant needs human assistance. This can be as obvious as the mother neglecting or abusing the infant, or more indefinite such as nursing problems or the infant's failure to thrive. It is also important to understand the causes behind these phenomena.

Signs That Human Intervention Might Be Necessary for Raising the Infant:

- Infant is crying more than normal
- Infant seems too weak
- Infant keeps switching between nipples, and not nursing properly
- Infant is neglected: not holding onto the mother, or being carried in an incorrect way
- Infant gets injured
- Infant is not developing normally
-

In case human intervention is necessary and the infant has to be removed from its mother, it is important to introduce the infant back to its family or a foster family group as early as possible so that it can learn and develop normal social behavior. In this case the infant will be hand-reared by the GCC staff, with daily visits to their family group, or a foster family group. At around age 6-9 months they will be reintroduced to the family group, or introduce to a foster family group.

Animals in Psychological Distress

If a gibbon experiences a stressful situation with their cage mate or other gibbons that they have visual contact with, they will be placed into a different enclosure or visual barriers will be placed to discontinue visual contact with the gibbon/s.

Animals Approved for Restricted Activity

Gibbons will only be housed in small enclosures when they are sick and they need to be medicated and closely monitored, or when they are recovering after surgery.

Individually Housed and * Isolated Animals

Sick gibbons or gibbons without a partner can be housed alone, with visual and/or audio contact to his/her conspecifics. No gibbons will be kept isolated at the GCC. Gibbons in quarantine have auditory contact with conspecifics outside.

- "Isolated" is defined as "unable to see and hear nonhuman primates of their own or compatible species."

Restraint Devices

Describe and justify any use of restraint devices, including length of time restrained and provisions (including frequency and duration) for unrestrained activity.

Gibbons are only restrained by the squeeze mechanism in their cage where they are tranquilized to prevent injuries to the handler and veterinarian. The squeezing doesn't last longer than one minute.

Training

Currently 5 animals participate in the program: Medina, Violet, Pepper, Iszie, Winston

Training Plan

Ultimate Goal: Hand Injection

Establishing Basic Husbandry Training:

Step 1: Establishing a station.
Criteria: Consistently stations. Cue: "Station"

Step 2: Targeting Criteria phases: Simple targeting; follow target; extended (duration of) target; variety of targets (animal understands that it can target on various types of objects: target pole, trainer's hand, etc.); multiple targets. Cue: "Target"

Step 3: Taction
Criteria: Allows trainer to touch various body parts presented. Cue: "Touch"

Step 4: Presenting Body Parts of Cue
Shoulder, Hands, Feet: Cues To Be Determined

Step 5:
Introduce syringe and desensitize to sight of it. Then desensitize to syringe touching body for extended durations. Then introduce paperclip "needle" and extend duration of time holding to animal's skin. Then

introduce small needle. Continue the same process and work to larger needle, then introduce saline solution.

Exemptions

Describe the reason for exemption of any specific animal from participation in this plan. Note: Unless the exemption is based on a permanent condition, it must e reviewed at least every 30 days by the veterinarian. A research animal use committee may approve exemptions for scientific reasons, as documented in the protocol, but must review such exemptions at least annually.

There are no exemptions. All animals housed or used in actual research, testing, teaching, or experimentation are at the location reported in the annual report of research facility. We assure you that each principal investigator has considered alternatives to painful procedures. We assure you that the facility is adhering to the standards and regulations specified and explained by the principal investigator and approved by the IACUC with no exceptions.

Approved by:

Veterinarian's Signature

Date: March 25, 2024

Howard D. Martin, DVM

518 Oak Park Springs Ct

Oak Park, CA 91377
818-879-5363

Gabriella Skollar, Director
Gibbon Conservation Center

United States Department of Agriculture
Animal and Plant Health Inspection Service

[redacted]

Inspection Report

[redacted]

No non-compliant items identified during this inspection.

This inspection and exit interview were conducted with the facility representative.

[redacted]

United States Department of Agriculture
Animal and Plant Health Inspection Service

[redacted]

Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
3653	93-C-0340	001	GIBBON CONSERVATION CENTER	23-JUL-2024

Count	Scientific Name	Common Name
000011	*Hylobates moloch*	JAVAN GIBBON
000006	*Hylobates pileatus*	PILEATED GIBBON
000011	*Hoolock hoolock*	HOOLOCK GIBBON
000011	*Nomascus leucogenys*	WHITE-CHEEKED GIBBON
000001	*Symphalangus syndactylus*	SIAMANG
000040	**Total**	

United States Department of Agriculture
Animal and Plant Health Inspection Service

[redacted]

Inspection Report

[redacted]

No non-compliant items identified during this inspection.

This inspection and exit interview were conducted with the facility representative.

[redacted]

United States Department of Agriculture
Animal and Plant Health Inspection Service

[redacted]

Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
3653	93-R-0602	001	GIBBON CONSERVATION CENTER	23-JUL-2024

Count	Scientific Name	Common Name
000011	*Hylobates moloch*	JAVAN GIBBON
000006	*Hylobates pileatus*	PILEATED GIBBON
000011	*Hoolock hoolock*	HOOLOCK GIBBON
000011	*Nomascus leucogenys*	WHITE-CHEEKED GIBBON
000001	*Symphalangus syndactylus*	SIAMANG
000040	**Total**	

VISITING US

Public Hours

The GCC is open to the public every Saturday & Sunday at 10 a.m. for a guided tour.

Our street address: 19100 Esquerra Rd, Santa Clarita, CA 91390. *We are located off of Bouquet Canyon, near Lombardi Ranch.*

Admission

- *$12 for seniors*
- *$18 for adults*
- *$15 for students and teens*
- *$7 for children 3-12 years old*
- *$0 for children 3 and under*

Private Tours

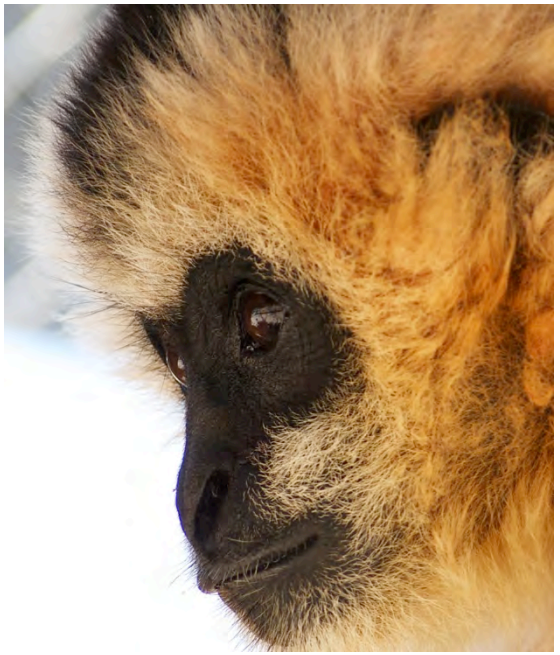
You can schedule a private tour, in advance, online or on the phone. The minimum charge for a private tour is $144. The tour lasts about an hour and can be customized to meet your needs and interests.

CONTACT INFORMATION

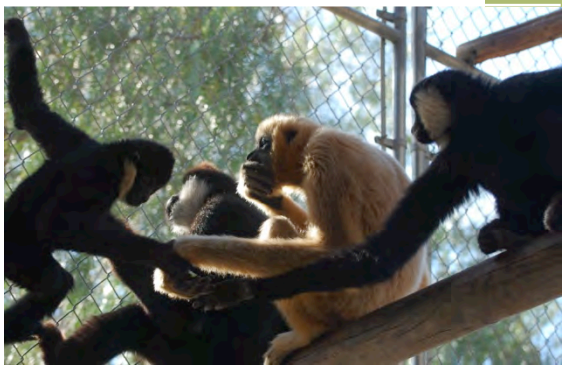
PO Box 800249
Santa Clarita, CA 91380
661.296.2737
info@gibboncenter.org
www.gibboncenter.org

GIBBON CONSERVATION CENTER

To promote the conservation, study and care of gibbons through public education and habitat preservation.



Gibbons are small arboreal apes that are found in tropical and sub-tropical rain forests of Southeast Asia, South China, Bangladesh, and Northeast India. True brachiator animals that swing from tree to tree, these apes are often described as acrobats of the forest. Gibbons live in nuclear family groups consisting of a mated pair and their dependent offspring. The family unit occupies a territory, and they defend its boundaries by vocal and visual displays. The vocalizations consist of elaborate songs mostly performed as a coordinated duet between the mated pair. Gibbons are amongst the rarest primates in the wild. The various reasons for the decline in numbers in the wild include deforestation, climate change, poaching for the pet trade and food, medicinal purposes and for symbolic ceremonies. Gibbons are the most diverse group of any apes with 20 existing species divided into 4 genera.



"In the end, we will conserve only what we love. We will love only what we understand. We will understand only what we have been taught."
Baba Dioum - Senegalese Conservationist

The Gibbon Conservation Center

The Gibbon Conservation Center (GCC) was founded in 1976 by Alan Richard Mootnick and houses the rarest group of apes in the Americas. We currently house 40 gibbons, including species representing all 4 genera. All are on the IUCN Red List of Threatened Species list with one species listed as critically endangered.

We educate the public about gibbons, the threats to their survival, and the actions the public can take to protect them. Each year, the GCC provides educational tours to up to 3,000 veterinary students, anthropology students, graduate students, school children, scout troops and animal lovers of all ages. We also encourage non-invasive behavioral studies to increase knowledge and understanding of gibbons, both captive and wild. We support ongoing field conservation projects in their countries of origin.

We use our knowledge and experience to improve the lives of captive gibbons by assisting and advising zoos, rescue centers and veterinary universities in better captive management.

We offer consultation, caregiver training and enclosure design and construction services free of charge to zoos, government agencies and gibbon rescue centers throughout the world. This is extremely important as the facilities in many of the countries with gibbons do not have the economic means to hire consultants for captive care, habitat protection or education, yet they are our most important partners in preserving gibbon species and in protecting the environment.

The GCC is a 501(c)(3) non-profit organization, completely dependent on donations, grants and volunteers.

Our Federal Tax ID: 95-4256306

United States Department of Agriculture
Animal and Plant Health Inspection Service

[redacted]

Inspection Report

[redacted]

No non-compliant items identified during this inspection.

This inspection and exit interview were conducted with the facility representative.

[redacted]

United States Department of Agriculture
Animal and Plant Health Inspection Service

[redacted]

Species Inspected

Cust No	Cert No	Site	Site Name	Inspection
3653	93-C-0340	001	GIBBON CONSERVATION CENTER	23-MAR-2023

Count	Scientific Name	Common Name
000009	*Hylobates moloch*	JAVAN GIBBON
000006	*Hylobates pileatus*	PILEATED GIBBON
000011	*Hoolock hoolock*	HOOLOCK GIBBON
000011	*Nomascus leucogenys*	WHITE-CHEEKED GIBBON
000001	*Symphalangus syndactylus*	SIAMANG
000038	**Total**	

CV for Gabriella Skollar

Personal Data

[redacted]
Address: Gibbon Conservation Center
PO Box 800249, Santa Clarita, Ca 91380
Phone: [redacted]
Work Phone: 1-661-296-2737
Email: gabi@gibboncenter.org
gabiskollar@g.ucla.edu

Education

2023-Present	UCLA Communication, Graduate Student
1998-2004	Biologist, Szeged University of Sciences, Szeged, Hungary Major Field of Study: Physical Anthropology, Ecology Thesis for Master's degree titled: "Problem solving strategies of the gibbons in Object Permanence tasks depending on their social status"
1994-1998	Moricz Zsigmond High School, Szentendre, Hungary

Publications

Brittany Florkiewicz, Gabriella Skollar, Ulrich Reichard. Facial expressions and pair bonds in hylobatids. May 2018. American Journal of Physical Anthropology 167(Suppl)
DOI: 10.1002/ajpa.23608

Anna Fedor, Gabriella Skollar, Nóra Szerencsy, Mária Ujhelyi. Object Permanence Tests on Gibbons (Hylobatidae)
November 2008. Journal of Comparative Psychology 122(4):403-17
DOI: 10.1037/0735-7036.122.4.403

Conference Presentations

3rd International Gibbon Husbandry, Health and Conservation Conference, Hanoi, Vietnam November 17-18, 2022. Oral paper presentation titled "Tuning into Gibbons to Advance their Care".

British Forum for Ethnomusicology Annual Conference 8-11 April 2021 on the theme of Music, Culture and Nature. Oral paper presentation titled "Tracing the Evolution of Human Musical Behavior in Gibbons"

2nd International Gibbon Husbandry and Conservation Conference, Perth, Australia, March 15-19, 2015. Oral paper presentation titled "Gibbon Husbandry at the Gibbon Conservation Center: Past, Present, and Future".

1st International Gibbon Husbandry Conference, in Greensboro, North Carolina, June 4-6, 2012. Oral paper presentation titled "Infant Care".

30th Ethological Conference held in Halifax, Nova Scotia, Canada, 18 August 2007. Oral paper presentation titled "Spontaneous tool use by a captive light-cheeked gibbon *(Nomascus gabriellae* x *Nomascus leucogenys)*".

29th Ethological Conference held in Hungary, Budapest, 20-27 August 2005. Oral paper presentation titled "Dominant and submissive strategies during object permanence tests with Atelinae and Hylobatidae – a case of deception in gibbons".

20th International Congress of Primatology held in Turin, Italy, 22-28 August 2004. Poster paper presentation titled "Object Permanence in Gibbons".

Lectures

2024 April	Southern California Primate Research Forum
2024 February	The Los Angeles Breakfast Club, Tuning Into Gibbons
2021 March	Central Washington University Virtual Primatology Conference
2021 March	Southern California Primate Research Forum
2018 November	Gibbonology, 7th Keynote Speaker at the Annual Anthropology Department Open House & Expo, Antelope Valley College, Lancaster, California, USA
2015 March	Gibbon Husbandry, Singapore Zoo, Singapore
2014 January	Gibbon Health and Diseases, Phnom Penh, Cambodia
2013 November	Gibbon Husbandry and Conservation, Khao Kheow Open Zoo, Thailand
2013 September	The GCC Role in the Zoological and Conservation World, Los Angeles Zoo, Los Angeles, CA, USA
2013 March	Gibbons, The Forgotten Apes, Bil Conference, Long Beach, CA, USA
2012 November	Gibbon Husbandry and Conservation, Oakland Zoo, Oakland, CA, USA
2007 - Present	Lectures for the public and for students (from preschool to grad school level) at the GCC during educational tours

Workshops/Training Programs

2024 May	Bioacoustics Analysis in R. Organization for Tropical Studies (OTS)
2014 January	Gibbon Rehabilitation, Reintroduction and Translocation Workshop, Phnom Penh, Cambodia
2013 - 2014	Emerging Wildlife Conservation Leaders (EWCL) Training Program
2010 Summer	Sound Analysis Workshop, Cornell Lab of Ornithology, Bioacoustics Research Program

Work Experience

2014 - Present	Director, Gibbon Conservation Center
2012 - 2014	Head of GCC Operation and Researcher, Gibbon Conservation Center, Santa Clarita, Ca, USA
2006 - 2011	Research and Care Assistant, Gibbon Conservation Center, Santa Clarita, Ca, USA
2005 - 2006	Volunteer Primate Caregiver, Gibbon Conservation Center, Santa Clarita, Ca, USA
1998 - 2003	Summer work: Animal keeper, Budapest Zoo, Hungary

Scholarships, Grants

2005 Winter	Travel support from the Hungarian Minister of Environment and Water to intern at the Gibbon Conservation Center
2006 - 2007	Rosztoczy Scholarship to conduct studies at the Gibbon Conservation Center.
2023-2027	Eugene V. Cota-Robles Award
2024 Summer	Graduate Summer Research Mentorship

Research Experience

2021 - 2022	Collect video and audio data on Nomascus gibbons' non-song vocalizations in collaboration with Dr. Kai R. Caspar, M.Sc. Dept. General Zoology, Faculty of Biology, University of Duisburg-Essen
2022 June	Assist photographing 5 species of gibbons at the GCC for Primate Face Appearance Study for Dr. Will Allen, Swansea University, UK
2006 - Present	Collect biological samples for genetic, hormonal, and veterinary studies. Conduct behavior observations, collect video and audio data on gibbons' behavior and vocalization and take photographs of gibbons for scientific papers and for taxonomic studies. Assist other scientist with data collection, and cognitive studies at the GCC.
2006 - Present	Collect data for the study of gibbons' social communication
2006 - Present	Collect data for the study of hoolock gibbons' vocalization
2006 - 2012	Collect data for Dr. Sachiko Hayakava for her study on hormonal and singing behavior changes in gibbons during development
2006 - 2008	Collect data for Dr. Clare Cunningham and Alan Mootnick for the study of limb use in gibbons
2002 - 2004	Study the Object Permanence capacity of gibbons, lead by Dr. Maria Ujhelyi

Professional Memberships

Associations of Zoos and Aquariums
IUCN SSC Primate Specialist Group Section on Small Apes
Husbandry and Maternal Care Advisor for the Gibbon SSP

[redacted]

Language skills

[redacted]

Alma Rodriguez, Operations & Development Manager
Alma was hired in 2011 as a primate caregiver and project manager. Alma is a graduate of California Polytechnic University in Pomona, CA with a BS degree in Animal Science as well as a minor in Entrepreneurship and Small Business Management. She also holds an Event Planning certificate from Cal Poly Pomona, the Extended University, as well as a certificate from Safe-Capture International & San Diego Zoo Global in Safe Chemical Immobilization. In 2015 she visited Java to see both the field and release sites of the Javan gibbons and meet with key individuals in their in-situ program.

Alma has developed education programs and is working on expanding and improving those programs to continue to make them a valuable resource to the community. She organizes fundraising events, manages all sponsorships and has initiated new avenues of productively raising funds. Alma's other responsibilities include giving tours, training volunteers, feeding and training animals, ongoing maintenance to the website, advertising, community outreach, email blasts, writing grants, bookkeeping, as well as ongoing maintenance to gibbon enclosures.

Sophia Paden, Animal Care Specialist
started volunteering at the Gibbon Conservation Center in January of 2018 and became a staff member in 2022. She has a passion for working with gibbons and contributing to their conservation efforts. Sophia graduated from the Exotic Animal Training and Management Program (EATM) at Moorpark College in 2020 with an Associate in Animal Science degree. EATM is a renowned hands-on program that teaches students a variety of animal career related skills, including positive reinforcement training. Animals she trained and/or cared for include tigers, a spider monkey, a Harris hawk, and more. Sophia holds over 17 San Diego Zoo Global certificates, which includes certificates for Enrichment and Operant Conditioning/Behavior Management. in 2022 she received her Bachelor's of Science degree in Psychology through Oregon State University.

Sophia has a great interest in utilizing positive reinforcement training to teach gibbons to voluntarily accept medical procedures, like injections. This helps reduce their stress and keep them comfortable during veterinary exams. Sophia's duties at the GCC include feeding and training gibbons, preparing food for the gibbons, cleaning enclosures, providing enrichment, and giving tours. Sophia is also the Volunteer Coordinator. She schedules and trains volunteers for the GCC.

Jodi Kleier, Animal Care Specialist
Jodi's involvement with the Gibbon Conservation Center began in 2015, transitioning from a volunteer in 2016 to a Primate Care Specialist in 2018. Residing onsite intermittently, Jodi currently focuses on gibbon anatomy and skeletal studies.

Jodi earned her Bachelor's degree in Anthropology with a minor in Environmental Studies from the University of Kansas, following her Associate's degrees in Sociology, Behavioral Sciences, and Anthropology from the Los Angeles Valley College. Her passion for species

protection and conservation led her to participate in a zooarchaeology field school, including experience in collections management. She currently assists with animal preparation at the Los Angeles Natural History Museum and contributes to the osteological preparation lab at the Smithsonian Institution during the summers.

She has established “The Bone Shack,” an educational exhibit highlighting gibbon skeletal features, and is actively fundraising to develop “The Bone House,” a proposed onsite museum offering detailed exhibits, interactive educational materials, and a skeletal collection accessible to visiting researchers and the general public.

Dr. Howard Martin, Veterinary
Dr. Martin is a veterinary adviser for the gibbon Species Survival Plan and an instructor for human anatomy and physiology at Moorpark College.

Howard D. Martin, DVM, has been the Veterinarian for the GCC since January 1995. Dr. Martin holds a B.A. in Biology from California State University, Northridge, and a DVM from the University of California, Davis, in the Zoological Medicine Program. He served his residency in Zoological and Wildlife Medicine in the College of Veterinary Medicine at the University of Florida, Gainesville. His academic career includes a consultancy as the Director/Veterinarian for the Rocky Mountain Raptor Program at Colorado State University and six years as Assistant Professor of Zoological Medicine at Colorado State University, where he developed the curriculum for clinical zoological/exotic animal medicine and surgery. Dr. Martin has been a practicing veterinarian in the state of California since 1992. Since 2006, he has served as interim veterinarian for the Los Angeles Zoo several times. In 1997, he launched Veterinary Home Care, a mobile practice serving exotic wildlife, large animals and domestic pets. Since 1999, his surgical practice has been through Westlake Village Animal Hospital/Agoura-Westlake Animal Hospital.

Dr. Martin has authored and co-authored more than 30 articles or chapters in professional journals, books and other publications. In June 2012, at the 1st International Conference on Gibbon Husbandry in Greensboro, NC, he chaired the program on medical issues of gibbons, and delivered two presentations: ‘Diseases of concern in gibbons’ and ‘A gamma-herpes virus infection in a white-cheeked gibbon’.

available WC females

3 messages

Richards, Beth A. <Beth.A.Richards@disney.com> Wed, Oct 20, 2021 at 12:33 PM
To: Gabriella Skollar <gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>

Hi, Gabi,

We have two single male WCs in need of female partners and several 6 YO males who will need to leave their natal groups relatively soon. I am checking to see if you have any available female white-cheeks. We have one male who is super valuable who was in a non-breeding pair for some time that we would love to be able to breed.

Thanks,

BR

Beth Richards—Primate-Carnivore Zoological Manager/ Disney's Animal Kingdom

Cell 321-263-6341 beth.a.richards@disney.com

Gibbon SSP Coordinator

Days off Sunday-Tuesday

Gabi Skollar <Gabi@gibboncenter.org> Thu, Oct 21, 2021 at 11:10 PM
To: "Richards, Beth A." <Beth.A.Richards@disney.com>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>

Hi Beth,
We have a father-son pair still doing ok together, the father is 39, and the son is 8. He is now singing the adult male song and dominant over his father most of the time.
We also have a 9-year-old male housed next to his family and planning to introduce him to Pepper at the GCC. We don't have any extra females yet; Anastasia is only two and a half, she will be available in 5 years or so. Any chance to import new bloodlines from Australia or Europe? Or do an exchange?
Gabi

Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
Wish List for the Gibbon Conservation Center
http://www.gibboncenter.org/
https://soundcloud.com/gibbonconservationcenter
https://www.instagram.com/gibbonconservationcenter/
https://www.facebook.com/GibbonConservationCenter

SSA Zoo Liaison for North America
IUCN SSC Primate Specialist Group
Section on Small Apes
http://www.gibbons.asia/

[Quoted text hidden]

Richards, Beth A. <Beth.A.Richards@disney.com> Sat, Oct 23, 2021 at 8:38 AM
To: Gabi Skollar <Gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>

We have been discussing bringing in animals from both Europe and Australia. The issue is the length of time for the permitting process. I don't want anyone to be alone waiting a few years and it is hard to identify where new animals would go if we don't have specific openings. We are considering doing it for planned exhibits since they are a few years out. Holly said she might be able to send us a female and take a male or two, which would really help our sex ratio. I haven't checked with Brice with the EEP yet to see if they could spare a male to pair with an Australian female. Once you have more space, would there be a possibility that we could import individuals into your facility and then place them when vacancies occur? The white-cheek genetic population is by far the worst of the managed species, and I am getting concerned for its long-term health.

BR

[Quoted text hidden]

female WC gibbon

4 messages

Richards, Beth A. <Beth.A.Richards@disney.com> Sat, Jun 24, 2023 at 6:06 AM
To: Gabriella Skollar <gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>, "Ferrie, Gina M." <Gina.M.Ferrie@disney.com>

Hi, Gabi,

We are hoping to import a female white-cheek from Australia for a new planned exhibit at North Carolina. We are having some challenges with the import process and are looking at potential alternatives. We do not have additional females in the population who will likely be available when this exhibit is planned to open in Spring 2025. Is it possible that we would be able to bring Anastasia into the AZA population when she is old enough or will you need to pair her with one of your males? What is the earliest that you could see separating her from her family?

Thanks,

BR

Beth Richards—Primate-Carnivore Zoological Manager/Disney's Animal Kingdom

Cell 321-263-6341 beth.a.richards@disney.com

Gibbon SSP Coordinator

Days off Sunday-Tuesday

Gabi Skollar <Gabi@gibboncenter.org> Thu, Jun 29, 2023 at 11:28 AM
To: "Richards, Beth A." <Beth.A.Richards@disney.com>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>, "Ferrie, Gina M." <Gina.M.Ferrie@disney.com>

Hi Beth,
If there is no family conflict, I plan to house her with the family until she is 7. It would be nice to send her to the SSP then. I hope to send Dennis out at some point. Perhaps to Europe?
Thanks,
Gabi
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
http://www.gibboncenter.org/

[Quoted text hidden]

Richards, Beth A. <Beth.A.Richards@disney.com> Thu, Jun 29, 2023 at 1:47 PM
To: Gabi Skollar <Gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>, "Ferrie, Gina M." <Gina.M.Ferrie@disney.com>

Thanks, Gabi. Would love to bring her into the SSP population when she's ready. Does she have a younger sibling?

Thanks,

BR

From: Gabi Skollar [mailto:Gabi@gibboncenter.org]
Sent: Thursday, June 29, 2023 2:28 PM
To: Richards, Beth A. <Beth.A.Richards@disney.com>
Cc: Becky Malinsky <malinskyb@si.edu>; Ott, Amanda <Amanda.Ott@disney.com>; Ferrie, Gina M. <Gina.M.Ferrie@disney.com>
Subject: Re: female WC gibbon

This Message is From an External Sender
Caution: Do not click links or open attachments unless you recognize the sender and know the content is safe.

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Gabi Skollar <Gabi@gibboncenter.org> Thu, Jun 29, 2023 at 1:48 PM
To: "Richards, Beth A." <Beth.A.Richards@disney.com>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ferrie, Gina M." <Gina.M.Ferrie@disney.com>, "Ott, Amanda" <Amanda.Ott@disney.com>

Yes, another little girl. She is one year old.
Gabi
[Quoted text hidden]
--
[Quoted text hidden]

Population Analysis & Breeding and Transfer Plan

White-Cheeked Gibbon (*Nomascus leucogenys*) AZA Species Survival Plan® Yellow Program

AZA Species Survival Plan® Coordinator
Beth Richards, Disney's Animal Kingdom®
(Beth.A.Richards@disney.com)

AZA Species Survival Plan® Vice Coordinator
Becky Malinsky, Smithsonian National Zoological Park
(malinskyb@si.edu)

AZA Studbook Keeper
Amanda Ott, Disney's Animal Kingdom®
(Amanda.Ott@disney.com)

AZA Adjunct Population Advisor
Gina M. Ferrie, Disney's Animal Kingdom®
(Gina.M.Ferrie@disney.com)

10 December 2018

PMC
Population Management Center
LINCOLN PARK ZOO.
ASSOCIATION OF ZOOS & AQUARIUMS

Disney's ANIMALS, SCIENCE and ENVIRONMENT

Executive Summary

Species Survival Plan® for White-cheeked gibbon (*Nomascus leucogenys*)

At the time of analyses, the current White-cheeked Gibbon SSP population consists of 83 individuals (44 males, 38 females, 1 unknown sex) at 27 AZA and 2 non-AZA institutions. The Ape Taxon Advisory Group designated this population for SSP level management with a target size of 125 individuals in their 2014 Regional Collection Plan. The population currently qualifies as a Yellow SSP Program.

The current gene diversity of this population is descended from 26 founders with no potential founders remaining, and current gene diversity is estimated to be approximately 95.15%, equivalent to that of about ten founders (FGE = 10.31). Under current population parameters and a growth rate of 1.4% (λ=1.014), the population is projected to maintain 90% gene diversity for approximately 89 years and 89.4% gene diversity for 100 years. When gene diversity falls below 90%, it is expected that reproduction will be increasingly compromised by, among other factors, lower birth weights, and greater neonatal mortality. However, a high level of gene diversity may be retained for longer by maintenance of the already high effective population size, future importation of unrelated individuals, and equalization of founder representation (by breeding animals with low and well-matched mean kinship values).

Demography	
Current size of population (N) – Total (Males.Females.Unknown Sex)	83 (44.38.1)
Number of individuals excluded from the potentially breeding population	7 (0.7.0)
Population size following exclusions	76 (44.31.1)
Target population size (Kt) from the Ape TAG's 2014 RCP	125
Mean generation time (T; years)	17.5
Historical population growth rate (λ; life table lambda 1980-present) / 5 – year from Poplink census / Projected growth rate from PMx stochastic 20 yr projections	1.014/ 0.998/ 0.989 <> 1.003 <> 1.016

Genetic Summary[1]		
	2018	**Potential**
Founders	26	0
Founder genome equivalents (FGE)	10.31	17.34
Gene diversity (GD %)	95.15	97.12
Population mean kinship (MK)	0.0485	--
Mean inbreeding (F)	0.0029	--
% Pedigree Known prior to assumptions and exclusions	95.4	--
% Pedigree Known after assumptions and exclusions	99.7	--
N_e/N (Effective population size/census size ratio)	0.3943	--
Projections[3]		
	Historical / Projected λ = 1.014	--
Years to 90% GD	89	--
Years to 10% loss of GD	174	--
Gene Diversity at 100 Years (%)	89.4%	--
Gene Diversity in 10 Generations (%)	85.6%	--
Generation time (*T*) and Target population size used in projections	*T* = 17.5 x 10 = 175 Kt = 125	--

To grow the population gradually to the target size of 125 animals at a rate of 1.4% over the next 28 years (λ=1.014), approximately 4-7 births are required each year. To simply maintain the population at its current size of 84, approximately three births are required in the next year. As with most SSPs, recommended pairings have been determined with consideration of demographic goals, mean kinship, population change in gene diversity, maximum avoidance of inbreeding, and the needs of individual institutions in an attempt to increase and maintain gene diversity for as long as possible.

Summary Actions: The SSP recommends 7 breeding pairs to breed over the next two years and 5 transfers are recommended to create new breeding pairs and meet institutional needs. Approximately 4-7 births are required each year to grow the population towards its target size.

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Acknowledgments

The White-cheeked Gibbon SSP masterplanning session was held at Disney Animal Kingdom on 5 June 2017 with a follow up meeting on 24 May 2018 and was attended by Gina Ferrie, Beth Richards, Amanda Ott (all Disney's Animal Kingdom®) and Adrienne Whitely (formerly Rosamond Gifford Zoo).

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Photo courtesy of Beth Richards, Disney's Animal Kingdom®

This plan was prepared and distributed with the assistance of the AZA Population Management Center (pmc@lpzoo.org).

Description of Population Status

Species Survival Plan® for White-cheeked gibbon (*Nomascus leucogenys*)

Introduction: At the time of analyses, the current White-cheeked Gibbon SSP population consists of 83 individuals (44 males, 38 females, 1 unknown sex) at 27 AZA and two non-AZA institutions. The Ape Taxon Advisory Group (TAG) designated this population for SSP level management with a target size of 125 individuals in their 2014 Regional Collection Plan (RCP). Under AZA's current sustainability designations, the population qualifies as a Yellow SSP Program. In the wild, this species is listed as Critically Endangered on the IUCN Red List and is listed on CITES Appendix I.

Comprehensive genetic and demographic analyses of the North American Regional White-cheeked Gibbon Studbook (current to 9 December 2017) were performed in August 2018 using PopLink 2.4 and PMx version 1.5.20180808. Recommendations contained in this plan supersede those made by earlier plans.

Analytical Population: One analytical assumption created in previous planning sessions was applied to increase the percentage of pedigree known for this population from 95.4% to 99.7%. Following the exclusions of eight females due to reasons outlined in Appendix C, the potential breeding population consists of 76 animals (44.31.1).

Demography: White-cheeked gibbons first appeared in North American zoos in 1966 (Figure 1). The first zoo birth is recorded in 1972, after which time zoo breeding quickly became a significant source of recruitment to the zoo population. By 1987, the number of zoo born gibbons outnumbered that of wild born individuals, and since this time only 12 imports have entered the population. Since 1980, when reproduction became consistent in this population, growth has been about 3% (census λ since 1980 = 1.030). The population peaked at 91 individuals in 2016, and over the past five years, the population has remained at or close to the same size (census λ last five years = 0.998).

Approximately three births or imports are needed to maintain the population at its current size in the coming year and approximately 4-7 are needed to grow the population gradually to the TAG recommended target size of 125 individuals over the next 28 years (λ=1.014). With births averaging 3.2 over the past five years compared to an average of 2.6 deaths, achieving these demographic goals appears reasonable. Gradual growth is necessary due to space restrictions related to the longevity and monogamous nature of this species as well as the recently heightened male biased sex ratio.

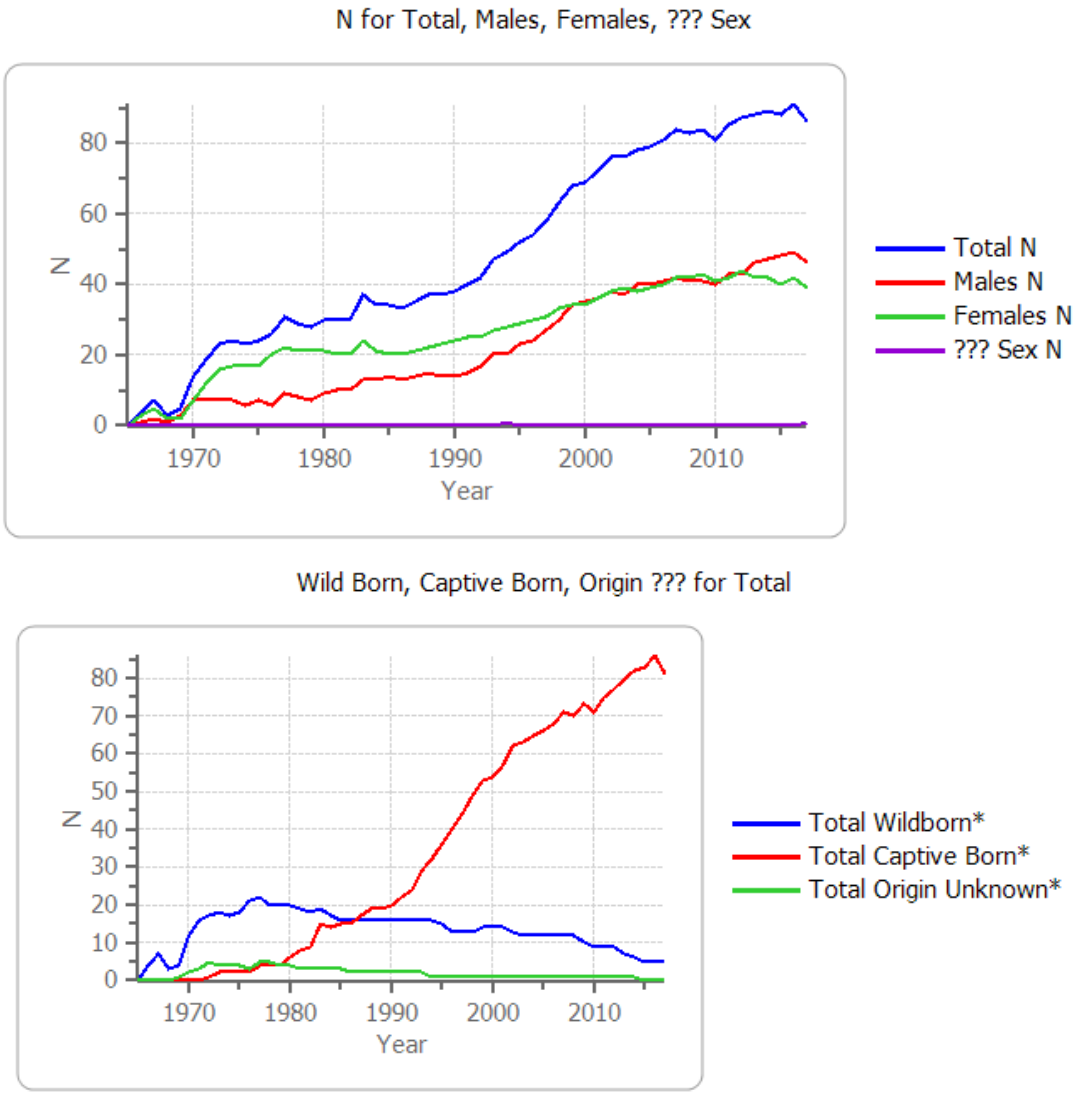

Figure 1. Census of white-cheeked gibbon in North America 1965 - 2017 by sex and by birth type.

The age structure of the population deviates somewhat from a stable distribution. Although it approximates a columnar shape similar to other long-lived species, an obvious male sex bias exists both in the total and potential breeding populations (Fig 2). The negative impact of this bias on the population is two-fold. First, excess males are currently difficult to place due the monogamous nature of this species and the difficulty of establishing single sex pairs. Second, future growth could be limited by a lack of available young females (compared to the available number of young males) to replace aging breeders and establish new breeding pairs in the coming years. However, despite some of these demographic challenges, there are currently sufficient numbers of breeding aged individuals of both sexes to support immediate demographic goals. The male bias in the population does not appear to be an artifact of small population size or random change (Margulis et al., 2010) and a similar male bias has been observed in the European population (Melfi, 2012). There is some indication that younger females *may* be more likely than older females to produce female offspring (Jago & Melfi, 2010), but this finding should be interpreted cautiously.

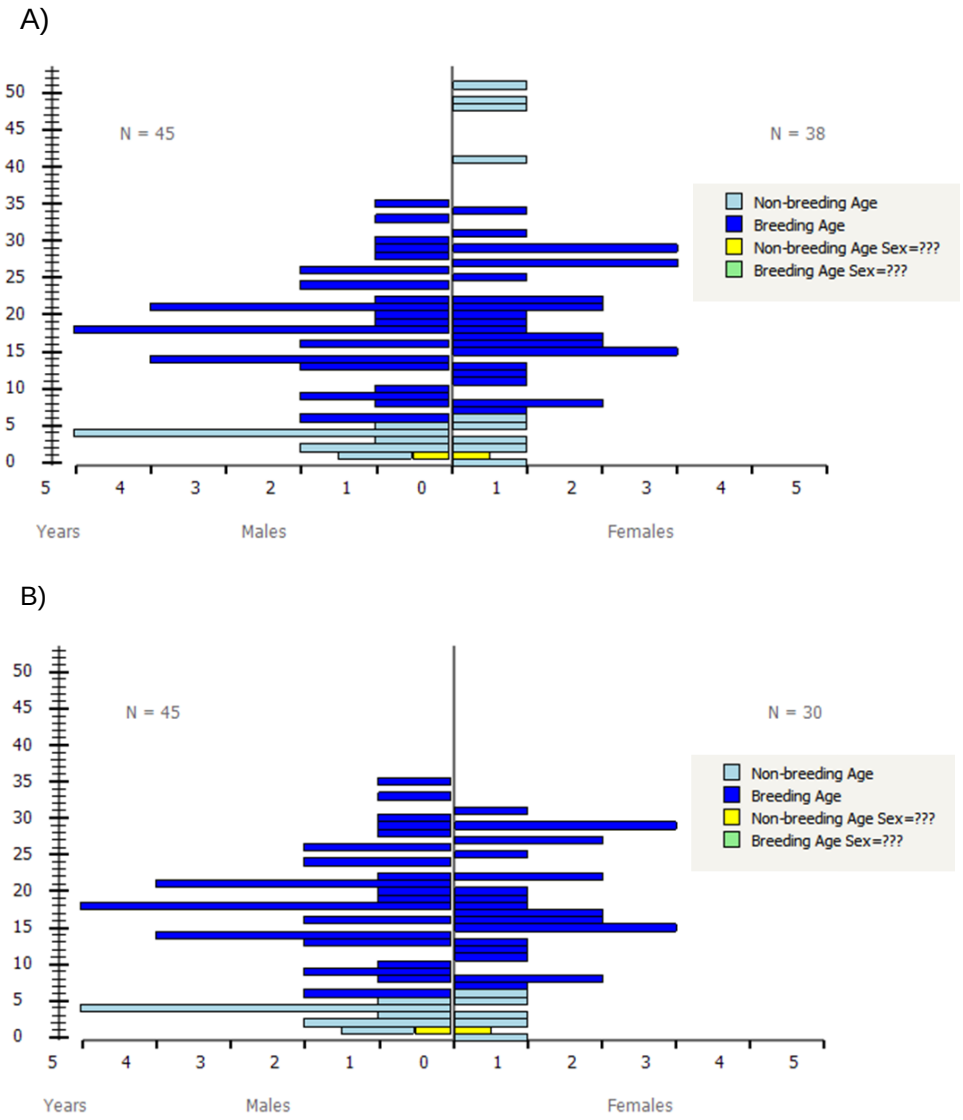

Figure 2. Age structure of the white-cheeked gibbon population in North America a) prior to and b) after genetic exclusions showing age classes 0-51 as of August 2018. Sterile and unknown sex animals appear half on both sides of the pyramid.

Reproductive events from the studbook indicate sexual maturity may occur as young as five years for males, though observed median age at first birth for males is slightly older than eight years (Appendix E). For females, parturition has been recorded as early as seven years, with median age at first birth at slightly older than 10 years. Both sexes have been observed breeding into their mid 30s, though the true upper limit of reproduction may not yet have been realized due to the longevity of this species relative to its recorded history in zoos. Females in North America have only been recorded to give birth to one offspring at a time after an estimated gestation period of 211 days. Births can occur year round, though appear to be most frequent in October through December.

According to North American studbook data from 1980 to present, first year mortality is 24% and 16% for males and females, respectively. The oldest recorded male and female in the population are both wild born individuals, with the male having died at 50 years (studbook number 0014) and the female still living at 51 years (studbook number 0021 – *update this female died during comment period*). Survival analyses could not be calculated at this time as the data were not of sufficient

robustness to analyze and report this information.

Genetics: The current gene diversity of this population is descended from 26 founders with no potential founders remaining (Fig. 3). Current gene diversity is estimated to be approximately 95.15%, equivalent to that of about ten founders (FGE = 10.31). Under current population parameters and a growth rate of about 1% (λ=1.014), the population is projected to maintain 90% gene diversity for approximately 89 years and 89.4% gene diversity for 100 years. When gene diversity falls below 90%, it is expected that reproduction will be increasingly compromised by, among other factors, lower birth weights, and greater neonatal mortality.

While the genetics of this population are generally acceptable (low inbreeding and mean kinship thus far), the population's genetic statistics could be improved in multiple ways. The SSP is exploring future exchanges with the European Association of Zoos and Aquaria (EAZA), though the relatedness between these regional populations has not yet been formally assessed. However, due to historical infrequent inter-regional exchanges of white-cheeked gibbons and existing inter-regional relatedness, gene retention in the SSP is likely to be impacted greater by maintaining or increasing the already high effective size ratio (Ne/N=0.39) and by equalizing founder representation (by breeding animals with low and well-matched mean kinships; Figure 3). However, imports and exports can supplement these management strategies to promote maximal levels of gene diversity and demographic stability in the SSP.

Genetic Summary[1]							
	2005	***2007***	***2009***	***2012***	**2015[2]**	**2018**	**Potential**
Founders	20	20	20	24	26	26	0
Founder genome equivalents (FGE)	8.60	8.13	8.39	9.7	10.19	10.31	17.34
Gene diversity (GD %)	94.2	93.85	94.04	94.84	95.09	95.15	97.12
Population mean kinship (MK)	0.0581	0.0615	0.0596	0.0516	0.0491	0.0485	--
Mean inbreeding (F)	0.0041	0.0040	0.0040	0.0035	0.0042	0.0029	--
% Pedigree Known prior to assumptions and exclusions	--	96.9	97.3	97	96.0	95.4	--
% Pedigree Known after assumptions and exclusions	98.9	98.8	98.8	98.3	100	99.7	--
N_e/N (Effective population size/census size ratio)	0.39	0.3872	0.3598	0.3553	0.3424	0.3943	--
Projections[3]							
				λ = 1.02	λ = 1.01	Historical / Projected λ = 1.014	--
Years to 90% GD	86	55	57	72	68	89	--
Years to 10% loss of GD	--	--	166	162	150	174	--
Gene Diversity at 100 Years (%)	89.5	87.46	82.21	88.4	88.1	89.4%	--
Gene Diversity in 10 Generations (%)	--	--	--	--	--	85.6%	--
Generation time (*T*) and Target population size used in projections	-- Kt = 200	-- Kt = 125	-- Kt = 125	-- Kt = 125	-- Kt = 125	*T* = 17.5 x 10 = 175 Kt = 125	--

[1]Genetic statistics are based on an analytical studbook.
[2]Number of founders increased by two due to the addition of E13 and E14 (deceased European grandparents of 355 at GIBSBIRDS).
[3]Data projections may not be accurately compared across years due to differences in lambda (λ) and target sizes over the years.

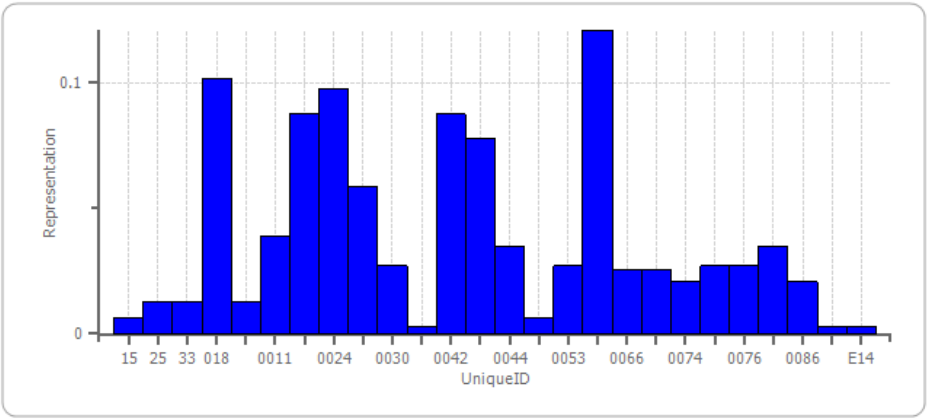

Figure 3. Founder representation in the white-cheeked gibbon SSP population, illustrating the inequality of founder representation.

Management Strategy: To grow the population to the target size of 125 animals at a rate of about 1% over the next 28 years (λ=1.014), approximately 4-7 births are required in each of the coming years. To simply maintain the population at its current size, approximately three births are required in the next year. As with most SSPs, recommended pairings have been determined with consideration of demographic goals, mean kinship, population change in gene diversity, maximum avoidance of inbreeding, and the needs of individual institutions in an attempt to increase and maintain gene diversity for as long as possible.

1. Recommend 7 breeding pairs in the SSP, to breed **over the next 2 years**. Due to the low likelihood of some pairs breeding and being successful, the number of breeding pairs that have been recommended has been made to support both demographic and genetic goals for the next few years. The SSP will monitor annual births and may ask some recommended breeding institutions to contracept their females if population growth is higher than needed.
    a. Breeding institutions are expected to submit a birth management plan to the Gibbon SSP Coordinator before breeding gibbons. Contact the coordinator for examples.
    b. Notify the Gibbon SSP as soon as pregnancy is suspected or confirmed in order to identify maternal care training goals and post birth management strategies.
    c. Breeding institutions are expected to hold offspring for a minimum of five years. It is preferable for institutions to maintain offspring in their natal groups for 6-8 years when feasible. Wild gibbons typically disperse from their natal groups at 8-10 years, so maintaining young gibbons in their natal groups longer allows them more time to mature before pairing, and in some cases allows them more experience observing care of younger siblings. While offspring may become reproductively mature while still in their natal groups, inbreeding is extremely uncommon in socially-functional family units, although aggression may occur. Aggression involving offspring can often be mitigated with careful management of husbandry practices. Contact the SSP for assistance. Institutions that wish to place animals younger than five or which have disruptions in the natal group dynamics should contact the SSP for discussion of options.
    d. If a recommended pair successfully produces a live birth, contact the SSP Coordinator as soon as possible to determine if postpartum contraception is needed.
    e. A MateRx is provided for the largest SSP holder, GIBSBIRDS, in order for this

facility to work with the SSP Coordinator in identifying valuable and socially compatible pairs with MSI rankings of 1, 2, or 3. Please see page 10 for more information on using MateRx.

2. Recommend 5 transfers to create new breeding pairs and fulfill institutional requests.

3. Adult females not recommended to breed should be contracepted. Institutions with young females age 4 or older should contact the SSP Coordinator to determine the most appropriate time to contracept. A variety of factors can be used to help determine the most appropriate time to begin contracepting young females, including commencement of estrous cycles, observed reproductive interest from male family members, and the stability of the family group. Inbreeding is extremely uncommon in socially-functional family units, and it is preferable not to contracept females before there are indicators of reproductive maturation and reproductive behavior. See page 10 for contraception information. Institutions with additional questions about contraception should contact the Gibbon SSP Coordinator or AZA's Reproductive Management Center (contraception@stlzoo.org).

Gibbon Contraception Advice from the AZA Reproductive Management Center

When reproductive control for your gibbons is called for in the Master Plan, please use the AZA Reproductive Management Center (RMC) as a resource. There are several different types of contraceptives that are effective in gibbons and each one has pros and cons. The preferred method will depend on the needs of the animal and the institution. Contact the SSP Coordinator for assistance in determining the most appropriate and effective contraception for your circumstances. Responding to the AZA RMC's requests for updates and feedback for all birth control used is important for establishing reliable recommendations.

MGA implants are a safe and effective form of reversible contraception for gibbons. MGA implants have a minimum duration of efficacy of two years, but may last longer, so it is recommended implants be removed if breeding is desired. Implants may be desirable because of their long-lasting efficacy. They may be less desirable in some circumstances because they require immobilization for placement and replacement.

Human birth control pills have also been effectively used in gibbons. Females must reliably take food containing the pill every day. Because birth control pills are manufactured for humans, dose is not yet well established for gibbons. Please contact the RMC for assistance with dosing. The general recommendation is to give a pill formulation that contains the lowest dose of estrogen that effectively suppresses bleeding, possible swelling, and estrous behavior. Formulations containing 30 or 35 micrograms of estrogen are commonly used in great apes, but a pill containing 20mcg may be effective in some individuals. Others might need a higher dose of estrogen (i.e., 50mcg), to achieve complete cycle control. There will be individual differences in response and so one female in the group may need 50mcg of estrogen while others do well on a formulation containing 30mcg of estrogen. In terms of placebo pills, it is considered safe and acceptable to administer active pills continuously with no break between pill packs. Some institutions may opt to allow a withdrawal bleed every three months or once per year. Nursing females should be given progestin-only pills (i.e., pills that do not contain estrogen) until the offspring starts to obtain a significant portion of its diet from a source other than milk. Birth control pills may be desirable because they can be administered without training or immobilization and can be quickly started and discontinued. Birth control pills may be used temporarily as a stop-gap measure until an MGA implant can be placed.

Depo-Provera has a variable duration of efficacy, and so may be best used as an immediate, short-term option.

Suprelorin® (deslorelin) is safe and effective in female gibbons, but time to reversal is extremely variable. Other contraceptive options should be considered before using Suprelorin in genetically valuable animals. Suprelorin might be effective in male gibbons, but the RMC does not have any data on its use in this species.

AZA Reproductive Management Center
Phone 314-646-4595
Email contraception@stlzoo.org
Web http://www.stlzoo.org/contraception

Recommendations Using MateR$_x$

MateR$_x$ is analytical software developed jointly by the National Zoological Park and Lincoln Park Zoo. The primary output is a matrix of genetic ratings (Mate Suitability Indices = MSI) for every possible breeding pair in a population. MSIs allow managers to quickly discover how the genetic status of specimens in their collections compare to the rest of a managed population.

Each MSI represents the genetic consequences for the population if a given pair were to produce offspring. There are seven values for MSIs: offspring of pairs rated 1, 2, or 3 would benefit the population's genetic situation; pairs rated 4, 5, or 6 would be detrimental to the population's genetic situation. Pairs without an MSI value (i.e., a dash [--]) should not be considered under any circumstances without consulting an SPMAG advisor. These MSI values are defined as:

1 – very beneficial
2 – moderately beneficial
3 – slightly beneficial
4 – slightly detrimental
5 – moderately detrimental
6 – very detrimental

MateR$_x$ integrates four genetic factors to produce the Mate Suitability Index (MSI). These four components are currently used by SPMAG members to develop pairing recommendations for SSPs and PMPs. In decreasing order of "importance," they are:

1. the expected change in genetic diversity (increase, decrease) that would result if an offspring of a pair is added to the population;
2. the relative rareness or commonness of the parents genetic information (i.e., the relative dissimilarity of parental mean kinships);
3. the inbreeding coefficient of offspring that would be produced by a pair; and
4. the proportion, if any, of the dam and/or sire's pedigree that is of unknown origin.

Each **MateR$_x$** MSI value represents a continuous range of rankings which SPMAG advisors can use to fine tune recommendations for the maximum possible genetic benefits to a population.

Questions about the interpretation of **MateR$_x$** output should be directed to the Adjunct Population Biologist at (gina.m.ferrie@disney.com).

Default settings were used to produce the MateRx for this plan

Additional information on reading, interpreting, and using MateRx Matrices can be found here:
http://youtu.be/0YX-FdOCekI

Summary of Breeding and Transfer Recommendations

(Sorted by Studbook ID)

ID	Location	Sex	Age	Disposition	Location	Breeding	With	Notes
~~0021~~	~~NZP-WASH~~	~~F~~	~~51~~	~~HOLD~~	~~NZP-WASH~~	~~DO NOT BREED~~		~~Excluded due to age, health~~ Reported dead during comment period
29	KANSASCTY	F	13	HOLD	KANSASCTY	BREED WITH	312	Genetically valuable pairing
0042	PORTLAND	F	48	HOLD	PORTLAND	DO NOT BREED		Excluded due to age, health
0052	NASHV ZOO	F	49	HOLD	NASHV ZOO	DO NOT BREED		Excluded due to behavior
133	GIBSBIRDS	F	18	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
0142	GIBSBIRDS	M	35	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
0146	COLO SPRG	F	34	HOLD	COLO SPRG	DO NOT BREED		Excluded due to health
0168	TOLEDO	M	26	HOLD	TOLEDO	DO NOT BREED		Genetically valuable
169	TOLEDO	F	27	HOLD	TOLEDO	DO NOT BREED		Genetically valuable
175	DISNEY AK	M	26	HOLD	DISNEY AK	DO NOT BREED		
0176	CHICAGOBR	M	33	HOLD	CHICAGOBR	DO NOT BREED		Genetically valuable
0181	MEMPHIS	M	24	HOLD	MEMPHIS	DO NOT BREED		
0182	MINNESOTA	M	24	HOLD	MINNESOTA	DO NOT BREED		Genetically valuable
0184	SAN ANTON	F	25	HOLD	SAN ANTON	DO NOT BREED		
0188	FORTWORTH	F	31	HOLD	FORTWORTH	DO NOT BREED		
0190	ERIE	F	22	SEND TO	PITTSBURG	DO NOT BREED		
0196	FORTWORTH	M	30	HOLD	FORTWORTH	DO NOT BREED		
0199	BROWNSVIL	F	21	HOLD	BROWNSVIL	DO NOT BREED		Genetically valuable
0200	MINNESOTA	F	21	HOLD	MINNESOTA	DO NOT BREED		Excluded due to behavior, sterile
0201	TACOMA	F	21	HOLD	TACOMA	DO NOT BREED		Excluded, sterile
0202	NY BRONX	M	21	HOLD	NY BRONX	BREED WITH	331	Mis-matched pairing male genetically valuable, female over-represented, breed for demographics
0203	PITTSBURG	M	21	HOLD	PITTSBURG	DO NOT BREED		
0207	CHICAGOLP	F	29	HOLD	CHICAGOLP	BREED WITH	0223	Genetically valuable pairing
0209	COLO SPRG	M	29	HOLD	COLO SPRG	DO NOT BREED		Genetically valuable
0211	NORFOLK	M	21	HOLD	NORFOLK	DO NOT BREED		Genetically valuable
0213	CHICAGOBR	F	29	HOLD	CHICAGOBR	DO NOT BREED		
0214	NASHV ZOO	F	20	HOLD	NASHV ZOO	BREED WITH	335	Genetically valuable pairing
0216	MEMPHIS	F	29	HOLD	MEMPHIS	DO NOT BREED		
0223	CHICAGOLP	M	28	HOLD	CHICAGOLP	BREED WITH	0207	Genetically valuable pairing
0228	DENVER	F	27	HOLD	DENVER	DO NOT BREED		Excluded - sterile
0229	DISNEY AK	F	28	HOLD	DISNEY AK	DO NOT BREED		
301	NORFOLK	F	41	HOLD	NORFOLK	DO NOT BREED		Excluded, sterile
303	PORTLAND	M	22	HOLD	PORTLAND	DO NOT BREED		
305	TACOMA	M	20	HOLD	TACOMA	DO NOT BREED		
309	BUSCH TAM	F	19	HOLD	BUSCH TAM	BREED WITH	322	Genetically valuable pairing
311	SAN ANTON	M	19	HOLD	SAN ANTON	DO NOT BREED		
312	KANSASCTY	M	22	HOLD	KANSASCTY	BREED WITH	29	Genetically valuable pairing
315	NZP-WASH	M	18	~~SEND TO~~ HOLD	~~DALLAS~~ NZP-WASH	DO NOT BREED		Genetically valuable, will receive future breeding recommendation when suitable female is identified
316	BROWNSVIL	M	18	HOLD	BROWNSVIL	DO NOT BREED		Genetically valuable
318	COLO SPRG	M	18	HOLD	COLO SPRG	DO NOT BREED		Temporary holding until transfer to Akron, will breed after transfer to new location, genetically valuable

ID	Location	Sex	Age	Disposition	Location	Breeding	With	Notes
319	WINSTON	M	18	HOLD	WINSTON	DO NOT BREED		
322	BUSCH TAM	M	18	HOLD	BUSCH TAM	BREED WITH	309	Genetically valuable pairing
323	STONEHAM	F	17	HOLD	STONEHAM	DO NOT BREED		
324	COLO SPRG	F	17	HOLD	COLO SPRG	DO NOT BREED		Temporary holding until transfer to Akron, will breed after transfer to new location, genetically valuable
326	STONEHAM	M	16	HOLD	STONEHAM	DO NOT BREED		Genetically valuable
327	WINSTON	F	16	HOLD	WINSTON	DO NOT BREED		
328	W ORANGE	F	16	HOLD	W ORANGE	DO NOT BREED		
329	MEMPHIS	M	16	HOLD	MEMPHIS	DO NOT BREED		
331	NY BRONX	F	15	HOLD	NY BRONX	BREED WITH	0202	Mis-matched pairing male genetically valuable, female over-represented, breed for demographics
332	METROZOO	F	15	HOLD	METROZOO	BREED WITH	338	Genetically valuable pairing
333	MEMPHIS	F	15	HOLD	MEMPHIS	DO NOT BREED		
334	DALLAS	M	14	~~SEND TO~~ HOLD	~~CAPE MAY~~ DALLAS	DO NOT BREED		
335	NASHV ZOO	M	14	HOLD	NASHV ZOO	BREED WITH	0214	Genetically valuable pairing
336	METROZOO	M	14	HOLD	METROZOO	DO NOT BREED		
338	METROZOO	M	13	HOLD	METROZOO	BREED WITH	332	Genetically valuable pairing
339	FORTWORTH	M	13	HOLD	FORTWORTH	DO NOT BREED		
340	DALLAS	F	12	~~SEND TO~~ HOLD	~~CAPE MAY~~ DALLAS	DO NOT BREED		
342	FORTWORTH	F	11	HOLD	FORTWORTH	DO NOT BREED		
347	GIBSBIRDS	M	10	HOLD	GIBSBIRDS	BREED WITH	351	Genetically valuable pairing
349	PROVIDNCE	M	9	HOLD	PROVIDNCE	DO NOT BREED		
350	WINSTON	M	9	HOLD	WINSTON	DO NOT BREED		
351	GIBSBIRDS	F	8	HOLD	GIBSBIRDS	BREED WITH	347	Genetically valuable pairing
353	PROVIDNCE	F	8	HOLD	PROVIDNCE	DO NOT BREED		
354	DISNEY AK	M	8	SEND TO	HOUSTON	DO NOT BREED		Transfer occurred during comment period
355	GIBSBIRDS	M	14	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
361	GIBSBIRDS	F	7	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
364	WINSTON	M	6	HOLD	WINSTON	DO NOT BREED		
365	GIBSBIRDS	M	6	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
366	ERIE	F	6	SEND TO	~~DALLAS~~ PITTSBURG	DO NOT BREED		
367	TOLEDO	F	5	HOLD	TOLEDO	DO NOT BREED		
368	DISNEY AK	M	5	SEND TO	HOUSTON	DO NOT BREED		Transfer occurred during comment period
370	CHICAGOLP	M	4	HOLD	CHICAGOLP	DO NOT BREED		
371	METROZOO	~~M~~ F	4	HOLD	METROZOO	DO NOT BREED		Sex reported as female during comment period
372	GIBSBIRDS	M	4	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
373	CHICAGOBR	M	4	HOLD	CHICAGOBR	DO NOT BREED		
374	SAN ANTON	M	4	HOLD	SAN ANTON	DO NOT BREED		
376	TOLEDO	F	3	HOLD	TOLEDO	DO NOT BREED		
377	W ORANGE	M	3	HOLD	W ORANGE	DO NOT BREED		
378	STONEHAM	M	3	HOLD	STONEHAM	DO NOT BREED		
379	DISNEY AK	F	2	HOLD	DISNEY AK	DO NOT BREED		
380	NASHV ZOO	M	2	HOLD	NASHV ZOO	DO NOT BREED		Genetically valuable
381	W ORANGE	M	1	HOLD	W ORANGE	DO NOT BREED		
383	SAN ANTON	U	1	HOLD	SAN ANTON	DO NOT BREED		
384	OMAHA	F	1	SEND TO	W ORANGE	DO NOT BREED		#328 to serve as foster

Breeding and Transfer Recommendations by Institution

BROWNSVIL

Gladys Porter Zoo

Brownsville, TX

Note: Institution has requested to place this pair. The SSP will continue to look for a new location for them to transfer. They may be able to receive a breeding recommendation in the future although have not shown breeding behavior up to this point after being paired for 10 years.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0199	9916	Tangra	F	21	HOLD	BROWNSVIL	DO NOT BREED		Genetically valuable
316	7392	Tanner	M	18	HOLD	BROWNSVIL	DO NOT BREED		Genetically valuable

BUSCH TAM

Busch Gardens Tampa Bay

Tampa, FL

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
309	63586	Frodo	F	19	HOLD	BUSCH TAM	BREED WITH	322	Genetically valuable pairing
322	66203	Dixon	M	18	HOLD	BUSCH TAM	BREED WITH	309	Genetically valuable pairing

CAPE MAY

Cape May County Park Zoo

Cape May Court House, NJ

Note: This is a new institution to the SSP. Prior to distribution this institution declined this recommendation. SSP is continuing to search for options for a new gibbon/siamang pair for this institution.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
~~334~~	~~03E894~~	~~Julias~~	~~M~~	~~14~~	~~RECEIVE FROM~~	~~DALLAS~~	~~DO NOT BREED~~		
~~340~~	~~11L117~~	~~Mason~~	~~F~~	~~12~~	~~RECEIVE FROM~~	~~DALLAS~~	~~DO NOT BREED~~		

CHICAGOBR

Chicago Zoological Society

Brookfield, IL

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0176	950132	Benny	M	33	HOLD	CHICAGOBR	DO NOT BREED		Genetically valuable
0213	950139	Indah	F	29	HOLD	CHICAGOBR	DO NOT BREED		
373	4909	Neubo	M	4	HOLD	CHICAGOBR	DO NOT BREED		

CHICAGOLP

Lincoln Park Zoological Gardens

Chicago, IL

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0207	9859	Burma	F	29	HOLD	CHICAGOLP	BREED WITH	0223	Genetically valuable pairing
0223	9737	Caruso	M	28	HOLD	CHICAGOLP	BREED WITH	0207	Genetically valuable pairing
370	23265	Daxin	M	4	HOLD	CHICAGOLP	DO NOT BREED		

COLO SPRG

Cheyenne Mtn Zoological Park

Colorado Springs, CO

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0146	94M001	Deborah	F	34	HOLD	COLO SPRG	DO NOT BREED		Excluded due to health
0209	93M048	Tanh Linh	M	29	HOLD	COLO SPRG	DO NOT BREED		Genetically valuable
318	2017M061	Milo	M	18	HOLD	COLO SPRG	DO NOT BREED		Temporary holding until transfer to Akron, will breed after transfer to new location, genetically valuable
324	2017M060	Parker	F	17	HOLD	COLO SPRG	DO NOT BREED		Temporary holding until transfer to Akron, will breed after transfer to new location, genetically valuable

DALLAS

Dallas Zoo

Dallas, TX

Note: Just prior to distribution, receiving institution declined to receive this pair. SSP will continue to look at options to send a breeding pair to DALLAS in the future.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
~~315~~	~~113484~~	~~Sydney~~	~~M~~	~~18~~	~~RECEIVE FROM~~	~~NZP-WASH~~	~~DO NOT BREED~~		~~Genetically valuable, will receive future breeding recommendation when suitable female is identified~~
334	03E894	Julias	M	14	~~SEND TO~~ HOLD	~~CAPE MAY~~ DALLAS	DO NOT BREED		
340	11L117	Mason	F	12	~~SEND TO~~ HOLD	~~CAPE MAY~~ DALLAS	DO NOT BREED		
~~366~~	~~2041~~	~~Chua~~	~~F~~	~~6~~	~~RECEIVE FROM~~	~~ERIE~~	~~DO NOT BREED~~		

DENVER

Denver Zoological Gardens

Denver, CO

Note: Individual is socially housed with a buff-cheeked gibbon.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0228	A11291	Vinh	F	27	HOLD	DENVER	DO NOT BREED		Excluded - sterile

DISNEY AK

Disney's Animal Kingdom

Bay Lake, FL

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
175	981764	A.J.	M	26	HOLD	DISNEY AK	DO NOT BREED		
0229	010108	Melaka	F	28	HOLD	DISNEY AK	DO NOT BREED		
354	100031	Murray	M	8	SEND TO	HOUSTON	DO NOT BREED		Transfer occurred during comment period
368	130090	Maximus	M	5	SEND TO	HOUSTON	DO NOT BREED		Transfer occurred during comment period
379	160047	Harper	F	2	HOLD	DISNEY AK	DO NOT BREED		

ERIE

Erie Zoological Gardens

Erie, PA

Note: This institution has requested to phase out of this species.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0190	0196	Cai Lay	F	22	SEND TO	PITTSBURG	DO NOT BREED		
366	2014	Chua	F	6	SEND TO	~~DALLAS~~ PITTSBURG	DO NOT BREED		

FORTWORTH

Fort Worth Zoological Park

Ft Worth, TX

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0188	781	Nikki	F	31	HOLD	FORTWORTH	DO NOT BREED		
0196	915	Mekong	M	30	HOLD	FORTWORTH	DO NOT BREED		
339	203756	Kibou	M	13	HOLD	FORTWORTH	DO NOT BREED		
342	204738	Pippin Lou	F	11	HOLD	FORTWORTH	DO NOT BREED		

GIBSBIRDS – non-AZA participating organization

Gibbon Conservation Center (GCC)

Santa Clarita, CA

Note: If your current pairings have changed or if different breeding pairs are preferred, please contact the SSP Coordinator. The MateRx can be used to help identify genetically beneficial breeding pairs (ranked 1, 2, or 3) that should be prioritized for breeding. For more information on using MateRx please see page 11 or contact the SSP Coordinator.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0142	NL600	Vok	M	35	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
133	NL607	Astriks	F	18	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
347	NL694	Canter	M	10	HOLD	GIBSBIRDS	BREED WITH	351	Genetically valuable pairing
351	NL697	Lucia	F	8	HOLD	GIBSBIRDS	BREED WITH	347	Genetically valuable pairing
355	NL606	Pierre	M	14	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
361	NL695	Pepper	F	7	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
365	NL692	Nate	M	6	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
372	NL690	Dennis	M	4	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable

Using the **MateRx** Matrix:

MateRx should be used to pair up or re-pair birds if necessary.

Pairs with Mate Suitability Indices (MSIs) of 1, 2, or 3 should be prioritized for breeding, while pairs with MSIs 5,6, or —— are discouraged. MSI ratings of 4 may be bred for demographic purposes.

For more explanation on **MateRx**, please refer to Appendix F at the back of this document.

		Females		
		133	351	361
Males	0142	**3**	**3**	-
	347	**3**	**3**	**-**
	355	**1**	**1**	**2**
	365	-	-	**3**
	372	**3**	**3**	-

HOUSTON

Houston Zoo, Inc

Houston, TX

Note: This is a new institution to the SSP.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
354	100031	Murray	M	8	RECEIVE FROM	DISNEY AK	DO NOT BREED		Transfer occurred during comment period
368	130090	Maximus	M	5	RECEIVE FROM	DISNEY AK	DO NOT BREED		Transfer occurred during comment period

KANSASCTY

Kansas City Zoo

Kansas City, MO

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
29	M16046	Kit	F	13	HOLD	KANSASCTY	BREED WITH	312	Genetically valuable pairing
312	M11021	Smithers	M	22	HOLD	KANSASCTY	BREED WITH	29	Genetically valuable pairing

MEMPHIS

Memphis Zoological Garden & Aquarium

Memphis, TN

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0181	21631	Donta	M	24	HOLD	MEMPHIS	DO NOT BREED		
0216	21632	Timmi	F	29	HOLD	MEMPHIS	DO NOT BREED		
329	20665	Ringo	M	16	HOLD	MEMPHIS	DO NOT BREED		
333	20993	Tallulah	F	15	HOLD	MEMPHIS	DO NOT BREED		

METROZOO

Zoo Miami

Miami, FL

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
332	10M144	Millie	F	15	HOLD	METROZOO	BREED WITH	338	Genetically valuable pairing
336	10M110	Henry	M	14	HOLD	METROZOO	DO NOT BREED		
338	16M087	Sovann	M	13	HOLD	METROZOO	BREED WITH	332	Genetically valuable pairing
371	13M056	Tualang	~~M~~ F	4	HOLD	METROZOO	DO NOT BREED		Sex reported as female during comment period

MINNESOTA

Minnesota Zoological Garden

Apple Valley, MN

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0182	10423	Bailey	M	24	HOLD	MINNESOTA	DO NOT BREED		Genetically valuable
0200	8937	Tia	F	21	HOLD	MINNESOTA	DO NOT BREED		Excluded due to behavior, sterile

NASHV ZOO

Nashville Zoo at Grassmere

Nashville, TN

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0052	2130	Muffy	F	49	HOLD	NASHV ZOO	DO NOT BREED		Excluded due to age, behavior
0214	2131	Singwah	F	20	HOLD	NASHV ZOO	BREED WITH	335	Genetically valuable pairing
335	4869	St Paddy	M	14	HOLD	NASHV ZOO	BREED WITH	0214	Genetically valuable pairing
380	5156	Makaio	M	2	HOLD	NASHV ZOO	DO NOT BREED		Genetically valuable

NORFOLK

Virginia Zoological Park

Norfolk, VA

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0211	210009	Dexter	M	21	HOLD	NORFOLK	DO NOT BREED		Genetically valuable
301	210010	Asia	F	41	HOLD	NORFOLK	DO NOT BREED		Excluded, sterile

NY BRONX

Bronx Zoo/Wildlife Conservation Society

Bronx, NY

Note: Only breed based on discussions with SSP Coordinator and institution's ability to manage maternal training and infant care. After comment period, institution decided to hold off on breeding at this time, but may reconsider in the future.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0202	M09018	Milton	M	21	HOLD	NY BRONX	BREED WITH	331	Mis-matched pairing male genetically valuable, female over-represented, breed for demographics
331	M16213	Chi-yu	F	15	HOLD	NY BRONX	BREED WITH	0202	

NZP-WASH

Smithsonian National Zoological Park

Washington, DC

Note: Prior to distribution, SB#0021 reported dead, will be updated in final. SB#315 is currently on a medical hold. SSP will determine another plan for this individual and institution in the future.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
~~0021~~	~~113382~~	~~Muneca~~	~~F~~	~~51~~	~~HOLD~~	~~NZP-WASH~~	~~DO NOT BREED~~		~~Excluded due to age, health~~ Reported dead during comment period
315	113484	Sydney	M	18	~~SEND TO~~ HOLD	~~DALLAS~~ NZP-WASH	DO NOT BREED		Genetically valuable, will receive future breeding recommendation when suitable female is identified

OMAHA

Omaha's Henry Doorly Zoo

Omaha, NE

Note: This female is being foster reared by a lar gibbon. Transfer completed during comment period.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
384	24644	Mu	F	1	SEND TO	W ORANGE	DO NOT BREED		#328 to serve as foster

PITTSBURG – non-AZA participating organization

Pittsburgh Zoo & PPG Aquarium

Pittsburgh, PA

Note: Maintain females in fission-fusion style management and SSP will continue to look at future options for these animals.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0190	0196	Cai Lay	F	22	RECEIVE FROM	ERIE	DO NOT BREED		
0203	101685	Picard	M	21	HOLD	PITTSBURG	DO NOT BREED		
366	2014	Chua	F	6	RECEIVE FROM	ERIE	DO NOT BREED		

PORTLAND

Oregon Zoo

Portland, OR

Note: Institution has requested placement of this pair. SSP will continue to look for new location.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0042	1318	Phyllis	F	48	HOLD	PORTLAND	DO NOT BREED		Excluded due to age, health
303	A00018	Duffy	M	22	HOLD	PORTLAND	DO NOT BREED		

PROVIDNCE

Roger Williams Park Zoo

Providence, RI

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
349	100452	Quon	M	9	HOLD	PROVIDNCE	DO NOT BREED		
353	100395	Ari	F	8	HOLD	PROVIDNCE	DO NOT BREED		

SAN ANTON

San Antonio Zoological Gardens & Aquarium

San Antonio, TX

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0184	B05029	Maya	F	25	HOLD	SAN ANTON	DO NOT BREED		
311	B05034	Melouprey	M	19	HOLD	SAN ANTON	DO NOT BREED		
374	Y14098	Harrison	M	4	HOLD	SAN ANTON	DO NOT BREED		
383	F17005		U	1	HOLD	SAN ANTON	DO NOT BREED		

STONEHAM

Zoo New England, Stone Zoo

Boston, MA

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
323	A09006	Iggy	F	17	HOLD	STONEHAM	DO NOT BREED		
326	A09023	Kien Nahn	M	16	HOLD	STONEHAM	DO NOT BREED		Genetically valuable
378	P15031	Jian	M	3	HOLD	STONEHAM	DO NOT BREED		

TACOMA

Point Defiance Zoo & Aquarium

Tacoma, WA

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0201	T03M11	Sunisa	F	21	HOLD	TACOMA	DO NOT BREED		Excluded, sterile
305	T03M10	Bobby	M	20	HOLD	TACOMA	DO NOT BREED		

TOLEDO

Toledo Zoological Gardens

Toledo, OH

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0168	980091	Batu	M	26	HOLD	TOLEDO	DO NOT BREED		Genetically valuable
169	980083	Hue	F	27	HOLD	TOLEDO	DO NOT BREED		Genetically valuable
367	8026	Niu	F	5	HOLD	TOLEDO	DO NOT BREED		
376	9824		F	3	HOLD	TOLEDO	DO NOT BREED		

W ORANGE

Turtle Back Zoo

West Orange, NJ

Note: Transfer occurred during comment period.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
328	6128	Suki	F	16	HOLD	W ORANGE	DO NOT BREED		
377	6391	Sumo	M	3	HOLD	W ORANGE	DO NOT BREED		
381	2194	Nox	M	1	HOLD	W ORANGE	DO NOT BREED		
384	24644	Mu	F	1	RECEIVE FROM	OMAHA	DO NOT BREED		#328 to serve as foster

WINSTON

Wildlife Safari Inc

Winston, OR

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
319	250035	Mel	M	18	HOLD	WINSTON	DO NOT BREED		
327	250036	Lil Benny	F	16	HOLD	WINSTON	DO NOT BREED		
350	271101	Thani	M	9	HOLD	WINSTON	DO NOT BREED		
364	271102	Cuong	M	6	HOLD	WINSTON	DO NOT BREED		

Appendix A
Assumptions

Studbook ID	Field	TRUE	Overlay	Notes
0044	Dam Sire	UNK UNK	WILD WILD	Assumed wild-born based on information provided by A. Mootnick.

Appendix B
Summary of Data Exports

PMx Project: WC Gibbon 30 July 2018
Created: 2018-07-30 by PMx version 1.5.20180724
File: C:\PMxProjects\WC Gibbon 30 July 2018.pmxproj

Primary data file
Data File Name: XXWCGibbon_23May2018.ped
Common Name: WHITE CHEEKED GIBBON
Scientific Name: NOMASCUS LEUCOGENYS
Data Source: PopLink
Studbook Name: WCGibbon_23May2018
Exported On: 2018-05-24
Software version: PopLink 2.4
Current through: 2017-12-09
Compiled by: Amanda Ott
Scope: North American Regional Studbook
Dates: 2018-05-24
Locations: N.AMERICA
Association:
Other Filters: Status = Living
User: Gina Ferrie

Locations data file
Data File Name: location.txt

Demographic input files
MPrn file: mXXWCGibbon_23May2018.prn
FPrn file: fXXWCGibbon_23May2018.prn
Census1 file: Exchcens.txt

Male LifeTable filter:
*Common Name: WHITE CHEEKED GIBBON
*Scientific Name: NOMASCUS LEUCOGENYS
*Data Source: PopLink
*Studbook Name: WCGibbon_23May2018
*Exported On: 2018-05-24
*Software version: PopLink 2.4
*Current through: 2017-12-09
*Compiled by: Amanda Ott
*Scope: North American Regional Studbook
***Dates: 1980-01-01 to 2018-05-24**
***Locations: N.AMERICA**
*Association:
*Other Filters: Status = Living
*User: Gina Ferrie

Female LifeTable filter:
*Common Name: WHITE CHEEKED GIBBON

*Scientific Name: NOMASCUS LEUCOGENYS
*Data Source: PopLink
*Studbook Name: WCGibbon_23May2018
*Exported On: 2018-05-24
*Software version: PopLink 2.4
*Current through: 2017-12-09
*Compiled by: Amanda Ott
*Scope: North American Regional Studbook
***Dates: 1980-01-01 to 2018-05-24**
***Locations: N.AMERICA**
*Association:
*Other Filters: Status = Living
*User: Gina Ferrie

Selected population was changed from the originally imported data.

Please note that the following numbers are calculated slightly differently from SPARKS:
For each offspring, each parent gets 0.5 of the birth attributed to him/her.
There are 130 total births in the demographic window.
130 births are attributed to known parents with a known age.
0 births are attributed to known parents with an unknown age.
0 births are attributed to unknown parents.
This means that 0% of the total births are attributed to unknown parents or parents with unknown ages.

Data changes after studbook submitted:

- NONE

Changes between DRAFT and FINAL:

- SB#371 METROZOO reported as female, sex changed in tables, moved to female side of MK list, not changed in formal analyses

Appendix C
Literature Cited

Jago, N. & Melfi, V. (2010): Sex ratios in captive gibbons. *Zoo Research News,* 11(4): 2–3.

Margulis, S. W., Burns, F., & Rothenberg, A. (2010). Sex ratio bias in managed populations of hylobatids. *Folia primatologica; international journal of primatology*, *82*(4-5), 224-235.

Melfi, V. A. (2012). Ex situ gibbon conservation: status, management and birth sex ratios. *International Zoo Yearbook*, *46*(1), 241-251.

Appendix D
Animals Excluded from Genetic Analyses

Studbook ID	Location	Sex	Age	Reason
~~0021~~	~~NZP-WASH~~	~~F~~	~~51~~	~~Age/health~~
0042	PORTLAND	F	48	Age/health
0052	NASHV ZOO	F	49	Age/Behavior
0146	COLO SPRG	F	34	Health
0200	MINNESOTA	F	21	Behavior/Sterile
0201	TACOMA	F	21	Sterile
0228	DENVER	F	27	Sterile
301	NORFOLK	F	41	Sterile

Appendix E
Life Tables

Life table data in North America from 1980 to present

Males

Age (years)	Px	Mid Px	Qx	Risk Qx	Lx	Mx	Risk Mx	Ex	Vx
0	0.760	0.855	0.240	78.000	1.000	0.000	63.100	22.771	1.136
1	0.980	0.970	0.020	58.700	0.760	0.000	58.200	25.464	1.347
2	0.960	0.980	0.040	56.100	0.745	0.000	55.300	25.218	1.407
3	1.000	0.990	0.000	54.500	0.715	0.000	54.500	24.722	1.455
4	0.980	0.980	0.020	52.200	0.715	0.000	51.300	23.962	1.489
5	0.980	0.980	0.020	50.300	0.701	0.000	50.100	23.430	1.540
6	0.980	0.970	0.020	48.200	0.687	0.090	47.400	22.888	1.592
7	0.960	0.980	0.040	47.000	0.673	0.070	45.600	22.563	1.569
8	1.000	0.990	0.000	46.400	0.646	0.060	46.400	22.012	1.551
9	0.980	0.990	0.020	45.300	0.646	0.100	44.900	21.224	1.526
10	1.000	0.965	0.000	45.700	0.633	0.080	45.700	20.431	1.460
11	0.930	0.954	0.070	46.000	0.633	0.100	44.200	20.135	1.449
12	0.980	0.990	0.020	44.000	0.589	0.050	43.300	20.056	1.433
13	1.000	0.985	0.000	41.800	0.577	0.080	41.800	19.250	1.415
14	0.970	0.955	0.030	38.100	0.577	0.120	38.000	18.528	1.374
15	0.940	0.969	0.060	35.900	0.560	0.060	34.800	18.350	1.330
16	1.000	1.000	0.000	33.700	0.526	0.040	33.700	17.904	1.328
17	1.000	1.000	0.000	33.000	0.526	0.110	33.000	16.904	1.305
18	1.000	1.000	0.000	30.100	0.526	0.070	30.100	15.904	1.211
19	1.000	0.960	0.000	27.400	0.526	0.070	27.400	14.904	1.156
20	0.920	0.958	0.080	25.900	0.526	0.120	24.900	14.483	1.146
21	1.000	0.975	0.000	21.100	0.484	0.050	21.100	14.069	1.085
22	0.950	0.921	0.050	20.100	0.484	0.080	19.500	13.404	1.076
23	0.890	0.942	0.110	19.000	0.460	0.220	18.400	13.472	1.096
24	1.000	1.000	0.000	15.800	0.409	0.130	15.800	13.242	0.942
25	1.000	0.925	0.000	14.900	0.409	0.100	14.900	12.242	0.823
26	0.850	0.878	0.150	13.700	0.409	0.150	13.000	12.154	0.792
27	0.910	0.953	0.090	11.000	0.348	0.090	10.600	12.710	0.742
28	1.000	1.000	0.000	9.300	0.317	0.050	9.300	12.289	0.693
29	1.000	1.000	0.000	8.600	0.317	0.060	8.600	11.289	0.652
30	1.000	0.930	0.000	7.500	0.317	0.200	7.500	10.289	0.599
31	0.860	0.925	0.140	7.000	0.317	0.250	6.100	9.988	0.435
32	1.000	1.000	0.000	6.000	0.272	0.080	6.000	9.720	0.203
33	1.000	0.900	0.000	5.000	0.272	0.000	5.000	8.720	0.125
34	0.800	0.889	0.200	5.000	0.272	0.000	4.600	8.578	0.140
35	1.000	1.000	0.000	3.100	0.218	0.160	3.100	8.525	0.160
36	1.000	1.000	0.000	3.000	0.218	0.000	3.000	7.525	0.000
37	1.000	0.835	0.000	3.000	0.218	0.000	3.000	6.525	0.000
38	0.670	0.802	0.330	3.000	0.218	0.000	2.000	6.617	0.000
39	1.000	1.000	0.000	2.000	0.146	0.000	2.000	7.000	0.000
40	1.000	0.750	0.000	2.000	0.146	0.000	2.000	6.000	0.000
41	0.500	0.667	0.500	2.000	0.146	0.000	1.900	6.667	0.000
42	1.000	1.000	0.000	1.000	0.073	0.000	1.000	8.500	0.000
43	1.000	1.000	0.000	1.000	0.073	0.000	1.000	7.500	0.000
44	1.000	1.000	0.000	1.000	0.073	0.000	1.000	6.500	0.000
45	1.000	1.000	0.000	1.000	0.073	0.000	1.000	5.500	0.000
46	1.000	1.000	0.000	1.000	0.073	0.000	1.000	4.500	0.000
47	1.000	1.000	0.000	1.000	0.073	0.000	1.000	3.500	0.000

Males

Age (years)	Px	Mid Px	Qx	Risk Qx	Lx	Mx	Risk Mx	Ex	Vx
48	1.000	1.000	0.000	1.000	0.073	0.000	1.000	2.500	0.000
49	1.000	0.500	0.000	1.000	0.073	0.000	1.000	1.500	0.000
50	0.000	0.000	1.000	1.000	0.073	0.000	0.200	1.000	0.000
51	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000

Px = survival; Qx = mortality; Lx = cumulative survivorship; Mx = fecundity; Ex = life expectancy; Vx = expected future reproduction, At Risk (Qx and Mx) = number of animals corresponding values are estimated from.

r = 0.013
lambda = 1.013
T = 18.1
N = 45
N(at 20 yrs) = 49

Females

Age (years)	Px	Mid Px	Qx	Risk Qx	Lx	Mx	Risk Mx	Ex	Vx
0	0.840	0.913	0.160	51.800	1.000	0.000	44.200	---	1.087
1	1.000	0.975	0.000	42.500	0.840	0.000	42.500	---	1.208
2	0.950	0.974	0.050	43.000	0.840	0.000	41.900	---	1.258
3	1.000	1.000	0.000	40.800	0.798	0.000	40.800	---	1.311
4	1.000	1.000	0.000	41.200	0.798	0.000	41.200	---	1.331
5	1.000	0.985	0.000	41.400	0.798	0.000	41.400	---	1.351
6	0.970	0.970	0.030	39.100	0.798	0.000	38.800	---	1.392
7	0.970	0.985	0.030	38.300	0.774	0.070	37.900	---	1.457
8	1.000	0.985	0.000	39.900	0.751	0.090	39.900	---	1.429
9	0.970	0.975	0.030	39.200	0.751	0.080	39.100	---	1.380
10	0.980	0.980	0.020	44.000	0.728	0.090	43.900	---	1.354
11	0.980	0.970	0.020	46.100	0.714	0.070	45.800	---	1.309
12	0.960	0.970	0.040	44.600	0.699	0.090	43.600	---	1.297
13	0.980	0.980	0.020	43.300	0.671	0.130	43.300	---	1.263
14	0.980	0.990	0.020	42.000	0.658	0.100	41.500	---	1.174
15	1.000	1.000	0.000	39.300	0.645	0.080	39.300	---	1.101
16	1.000	1.000	0.000	35.600	0.645	0.130	35.600	---	1.036
17	1.000	1.000	0.000	33.900	0.645	0.060	33.900	---	0.920
18	1.000	1.000	0.000	33.500	0.645	0.100	33.500	---	0.873
19	1.000	1.000	0.000	32.500	0.645	0.060	32.500	---	0.785
20	1.000	1.000	0.000	31.500	0.645	0.080	31.500	---	0.736
21	1.000	0.980	0.000	30.100	0.645	0.050	30.100	---	0.666
22	0.960	0.980	0.040	28.000	0.645	0.130	27.100	---	0.638
23	1.000	1.000	0.000	27.000	0.619	0.070	27.000	---	0.526
24	1.000	1.000	0.000	27.000	0.619	0.040	27.000	---	0.463
25	1.000	1.000	0.000	26.000	0.619	0.130	26.000	---	0.429
26	1.000	0.940	0.000	25.900	0.619	0.000	25.900	---	0.304
27	0.880	0.936	0.120	24.600	0.619	0.090	22.800	---	0.328
28	1.000	0.975	0.000	20.000	0.545	0.050	20.000	---	0.258
29	0.950	0.974	0.050	18.300	0.545	0.090	17.600	---	0.217
30	1.000	1.000	0.000	16.000	0.518	0.060	16.000	---	0.132
31	1.000	1.000	0.000	14.900	0.518	0.000	14.900	---	0.073
32	1.000	0.965	0.000	14.000	0.518	0.040	14.000	---	0.074
33	0.930	0.964	0.070	14.000	0.518	0.000	13.400	---	0.036
34	1.000	0.960	0.000	12.500	0.481	0.000	12.500	---	0.038
35	0.920	0.958	0.080	12.000	0.481	0.040	11.500	---	0.040
36	1.000	0.955	0.000	11.000	0.443	0.000	11.000	---	0.000
37	0.910	0.905	0.090	11.000	0.443	0.000	10.200	---	0.000
38	0.900	0.947	0.100	10.000	0.403	0.000	9.300	---	0.000
39	1.000	0.945	0.000	9.000	0.363	0.000	9.000	---	0.000

Females

Age (years)	Px	Mid Px	Qx	Risk Qx	Lx	Mx	Risk Mx	Ex	Vx
40	0.890	0.942	0.110	9.000	0.363	0.000	8.200	---	0.000
41	1.000	1.000	0.000	7.400	0.323	0.000	7.400	---	0.000
42	1.000	0.855	0.000	7.000	0.323	0.000	7.000	---	0.000
43	0.710	0.830	0.290	7.000	0.323	0.000	5.700	---	0.000
44	1.000	0.875	0.000	4.600	0.229	0.000	4.600	---	0.000
45	0.750	0.857	0.250	4.000	0.229	0.000	3.300	---	0.000
46	1.000	1.000	0.000	3.000	0.172	0.000	3.000	---	0.000
47	1.000	1.000	0.000	3.000	0.172	0.000	3.000	---	0.000
48	1.000	1.000	0.000	2.400	0.172	0.000	2.400	---	0.000
49	1.000	1.000	0.000	1.400	0.172	0.000	1.400	---	0.000
50	1.000	1.000	0.000	1.000	0.172	0.000	1.000	---	0.000
51	1.000	1.000	0.000	0.400	0.172	0.000	0.400	---	0.000
52	1.000	1.000	0.000	0.000	0.172	0.000	0.000	---	0.000
53	1.000	1.000	0.000	0.000	0.172	0.000	0.000	---	0.000

Px = survival; Qx = mortality; Lx = cumulative survivorship; Mx = fecundity; Ex = life expectancy; Vx = expected future reproduction, At Risk (Qx and Mx) = number of animals corresponding values are estimated from.

r = 0.015
lambda = 1.015
T = 17.0
N = 38
N(at 20 yrs) = 49

Appendix F
White-cheeked Gibbon Ages at Reproduction

Dam Age at First Birth in N.AMERICA
Median age = 10.2275 Mean age: 11.913

Top Five Youngest						
Studbook ID	**Age at Birth**	**Dam's Birth Date**	**Estimate**	**First Offspring's ID**	**First Offspring's DOB**	**Estimate**
0030	7.159	7/19/1969	Month	95	9/15/1976	None
0143	7.283	5/19/1983	None	231	8/30/1990	None
0228	7.354	8/7/1990	None	225	12/14/1997	None
0200	7.485	10/21/1996	None	336	4/16/2004	None
188	7.504	2/20/1987	None	186	8/23/1994	None
Top Five Oldest						
Studbook ID	**Age at Birth**	**Dam's Birth Date**	**Estimate**	**First Offspring's ID**	**First Offspring's DOB**	**Estimate**
169	15.066	6/30/1991	None	341	7/24/2006	None
0190	16.4	12/11/1995	None	366	5/5/2012	None
0214	18.5	12/5/1997	None	380	6/5/2016	None
0052	27.318	1/1/1969	Month	193	4/27/1996	None
0021	32.846	1/1/1967	Month	317	11/6/1999	None

Dam Age at All Births in N.AMERICA
Median age = 15.566 Mean age: 16.765

Top Five Oldest						
ID	**Age at Birth**	**Dam's Birth Date**	**Estimate**	**First Offspring's ID**	**First Offspring's DOB**	**Estimate**
0043	29.944	1/1/1970	Month	318	12/12/1999	None
0052	30.056	1/1/1969	Month	313	1/22/1999	None
0030	30.286	7/19/1969	Month	316	11/1/1999	None
0021	32.846	1/1/1967	Month	317	11/6/1999	None
0101	35.143	10/3/1977	None	369	11/24/2012	None

Sire Age at First Est Conception in N.AMERICA

Median age = 8.6325 Mean age: 10.169

Top Five Youngest						
Studbook ID	**Age At Est Conception**	**Sire's Birth Date**	**Estimate**	**First Offspring's ID**	**First Offspring's DOB**	**Estimate**
0024	4.942	1/1/1968	None	79	7/9/1973	None
0119	5.451	2/9/1981	None	188	2/20/1987	None
176	5.525	9/8/1992	None	308	10/16/1998	None
312	5.695	8/10/1996	None	332	11/18/2002	None
175	5.99	6/28/1992	None	313	1/22/1999	None
Top Five Oldest						
Studbook ID	**Age At Est Conception**	**Sire's Birth Date**	**Estimate**	**First Offspring's ID**	**First Offspring's DOB**	**Estimate**
0168	14.275	9/16/1991	None	341	7/24/2006	None
0202	15.231	2/2/1997	None	369	11/24/2012	None
0224	18.155	8/11/1993	None	366	5/5/2012	None
0053	23.083	12/12/1972	Month	312	8/10/1996	None
300	30.585	1/1/1977	Year	348	3/1/2008	None

Sire Age at All Est Conceptions in N.AMERICA

Median age = 14.253 Mean age: 15.708

Top Five Oldest						
Studbook ID	**Age At Est Conception**	**Sire's Birth Date**	**Estimate**	**First Offspring's ID**	**First Offspring's DOB**	**Estimate**
0055	30.571	1/1/1972	Month	333	2/24/2003	None
300	30.585	1/1/1977	Year	348	3/1/2008	None
0024	31.269	1/1/1968	None	317	11/6/1999	None
300	32.244	1/1/1977	Year	351	10/28/2009	None
300	34.672	1/1/1977	Year	365	4/2/2012	None

Appendix G
Ordered Mean Kinship List

Note: This list is current to August 2018 and is based on studbook data with pedigree assumptions. Values are subject to change with any birth, death, import, export, inclusion, or exclusion. Unknown sexed animals appear on both the male and female side of the mean kinship list.

Population MK = 0.0485

Males

SB#	MK	%Known	Age	Location
355	0.0064	100.0%	14	GIBSBIRDS
365	0.0129	100.0%	6	GIBSBIRDS
316	0.0185	100.0%	18	BROWNSVIL
223	0.0193	100.0%	28	CHICAGOLP
322	0.0201	100.0%	18	BUSCH TAM
176	0.0241	100.0%	33	CHICAGOBR
312	0.0241	100.0%	21	KANSASCTY
211	0.0314	100.0%	20	NORFOLK
347	0.0314	100.0%	10	GIBSBIRDS
372	0.0314	100.0%	4	GIBSBIRDS
142	0.0322	100.0%	35	GIBSBIRDS
335	0.0346	100.0%	14	NASHV ZOO
370	0.0368	100.0%	4	CHICAGOLP
326	0.0384	100.0%	16	STONEHAM
338	0.0384	100.0%	13	METROZOO
380	0.0416	100.0%	2	NASHV ZOO
315	0.0448	100.0%	18	NZP-WASH
209	0.0450	100.0%	29	COLO SPRG
168	0.0462	100.0%	26	TOLEDO
182	0.0470	100.0%	24	MINNESOTA
318	0.0474	100.0%	18	COLO SPRG
202	0.0490	100.0%	21	NY BRONX
334	0.0496	100.0%	14	DALLAS
350	0.0502	100.0%	9	WINSTON
364	0.0502	100.0%	6	WINSTON
373	0.0502	100.0%	4	CHICAGOBR
349	0.0504	100.0%	9	PROVIDNCE
381	0.0525	100.0%	1	W ORANGE
196	0.0531	100.0%	30	FORTWORTH
311	0.0535	100.0%	19	SAN ANTON
377	0.0558	100.0%	3	W ORANGE
374	0.0569	100.0%	4	SAN ANTON
383	0.0569	100.0%	1	SAN ANTON
378	0.0572	100.0%	2	STONEHAM
~~371~~	~~0.0591~~	~~100.0%~~	~~4~~	~~METROZOO~~
336	0.0605	100.0%	14	METROZOO
203	0.0623	100.0%	21	PITTSBURG
319	0.0623	100.0%	18	WINSTON
329	0.0627	100.0%	16	MEMPHIS
354	0.0651	100.0%	8	DISNEY AK
368	0.0651	100.0%	5	DISNEY AK

Females

SB#	MK	%Known	Age	Location
133	0.0129	100.0%	18	GIBSBIRDS
351	0.0129	100.0%	8	GIBSBIRDS
309	0.0185	100.0%	19	BUSCH TAM
29	0.0201	100.0%	13	KANSASCTY
324	0.0314	100.0%	17	COLO SPRG
361	0.0314	100.0%	7	GIBSBIRDS
0199 U	0.0332	75.0%	22	BROWNSVIL
214	0.0422	100.0%	20	NASHV ZOO
207	0.0478	100.0%	29	CHICAGOLP
169	0.0482	100.0%	27	TOLEDO
367	0.0504	100.0%	5	TOLEDO
376	0.0504	100.0%	3	TOLEDO
332	0.0512	100.0%	15	METROZOO
184	0.0539	100.0%	25	SAN ANTON
229	0.0547	100.0%	27	DISNEY AK
383	0.0569	100.0%	1	SAN ANTON
353	0.0589	100.0%	8	PROVIDNCE
366	0.0589	100.0%	6	ERIE
384	0.0589	100.0%	0	OMAHA
371	0.0591	100.0%	4	METROZOO
327	0.0623	100.0%	16	WINSTON
340	0.0623	100.0%	12	DALLAS
333	0.0627	100.0%	15	MEMPHIS
379	0.0651	100.0%	2	DISNEY AK
342	0.0665	100.0%	11	FORTWORTH
328	0.0667	100.0%	16	W ORANGE
190	0.0681	100.0%	22	ERIE
323	0.0695	100.0%	17	STONEHAM
213	0.0699	100.0%	29	CHICAGOBR
216	0.0711	100.0%	29	MEMPHIS
188	0.0736	100.0%	31	FORTWORTH
331	0.0748	100.0%	15	NY BRONX

Males

SB#	MK	%Known	Age	Location
181	0.0655	100.0%	24	MEMPHIS
339	0.0665	100.0%	13	FORTWORTH
303	0.0679	100.0%	22	PORTLAND
305	0.0679	100.0%	20	TACOMA
175	0.0691	100.0%	26	DISNEY AK

Females

SB#	MK	%Known	Age	Location

Appendix H
Descriptive Survival Statistics Report

WHITE CHEEKED GIBBON Studbook
NOMASCUS LEUCOGENYS
North American Regional Studbook Studbook

Studbook data current as of 12/9/2017

Compiled by
Amanda Ott
amanda.ott@disney.com

PopLink Studbook filename: WCGibbon_23May2018 + XXWCGibbon2017
PopLink User Who Exported Report: Gina Ferrie
Date of Export: 8/24/2018
Data Filtered by: Locations = N.AMERICA AND StartDate = 1/1/1980 AND EndDate = 8/24/2018
PopLink Version: 2.4

REPORT OVERVIEW:

Data for WHITE CHEEKED GIBBON were not of sufficient robustness to analyze and report survival statistics. See the body of the report for further details.

BACKGROUND ON ANALYSES:

These analyses were conducted using animals that lived during the period 1 January 1980 to 24 August 2018 at institutions within N.AMERICA. The analyses mainly focus on survival statistics from 1 year (e.g. excluding any individuals that did not survive past their first birthday). These statistics most accurately reflect typical survival for animals which can be seen on exhibit in zoos and aquariums.

This report summarizes survival records of individuals housed at zoological facilities for a specific geographic range and time period; these records trace an individual's history from birth or entry into the population to death, exit out of the population, or the end of the time period. As such, this history only reflects standard practices - including management, husbandry, and acquisition/disposition practices - for the specified time period and geographic range. Thus, the report contents should be viewed with some caution as they may not fully reflect current and newly emerging zoo and aquarium management techniques or practices. For example, if the population has not been maintained in zoos and aquariums long enough to have many adults living into old age, median life expectancy will likely be an underestimate until more data accrue in older age classes. Thus, users of these reports should recognize that the results produced will likely vary over time or depending on the subset of data selected.

SUMMARY OF ANALYSES:

SURVIVAL STATISTICS

Unfortunately, **data were not robust enough to analyze and report survival statistics**[1] (see Data Quality section). The dataset used for analysis includes partial or full lifespans of 146 individuals, 53 (36.3%) of which had died by 24 August 2018. These data are not sufficient for further analysis.

For general reference, data are provided on the oldest individuals in the dataset defined with the analysis window. Please note that these are the individual's ages as of the end date of the demographic window (24 August 2018); for the most up-to-date ages of the oldest animals in this population, you should contact the studbook keeper for this species directly.

10 Oldest Censored Individuals[2]

Studbook ID	Sex	Birth Type	Age at Censoring	Birth Date Est.	Exit Method
0021	Female	Wild Born	51.6	Month	alive at end of window
0052	Female	Wild Born	49.6	Month	alive at end of window
0042	Female	Wild Born	48.6	Month	alive at end of window
7	Female	Unknown	44.6	Month	LTF
301	Female	Wild Born	41.6	Year	alive at end of window
0142	Male	Captive Born	35.3	None	alive at end of window
0146	Female	Captive Born	34.8	None	alive at end of window
0176	Male	Captive Born	33.2	None	alive at end of window
0164	Female	Captive Born	31.6	None	LTF
0188	Female	Captive Born	31.5	None	alive at end of window

10 Oldest Dead Individuals

Studbook ID	Sex	Birth Type	Age at Death	Birth Date Est.
0014	Male	Wild Born	50.2	Month
0063	Female	Wild Born	45.3	Month
0034	Female	Wild Born	43.4	Month
0043	Female	Wild Born	43.3	Month
0024	Male	Wild Born	41.9	None
0030	Female	Wild Born	40.2	Month
0051	Female	Wild Born	38.3	Month
300	Male	Wild Born	38.0	Year
0101	Female	Captive Born	37.2	None
018	Female	Wild Born	35.5	Month

The PopLink Age Outliers report can give further information on these and other 'old' individuals within the studbook dataset.

DATA QUALITY

The PopLink Survival Tool uses five data quality measures to determine whether data are robust enough to make reliable estimates of key survival parameters. **This population failed at least one of the following tests:**

1. Can the median life expectancy be calculated? **PASS**
2. Is the sample size (number of individuals at risk) greater than 20 individuals at the median? **PASS**
3. Is the 95% Confidence Interval (CI) bounded? **PASS**

4. Is the sample size in the first age class of analysis (e.g. the first day of analysis) greater than 30 individuals? **PASS**
5. Is the length of the 95% CI < 33% of the maximum longevity? **PASS**

PopLink data validation was last run on 8/24/2018. This validation found 7 errors, including 0 high priority errors, 7 medium priority errors, and 0 low priority errors. These errors may or may not directly affect the data in this analysis.

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[1] The statistics analyzed for this report (median life expectancy, 95% confidence limits, and age to which 25% of individuals survive) exclude any individuals who did not survive to their first birthday; these individuals are excluded because this Report is focused on providing median survival estimates for the typical individual that survives the vulnerable infant stage. In other words, this report answers the question, 'how long is this species expected to live once it has reached its first birthday?' For this studbook, 27 individuals died before their first birthday and were excluded from these analyses.

For all animals that survive to their first birthday, 50% will die before the median life expectancy in this report and 50% die after. Note that the median life expectancy obtained from population management software (PM2000, PMx, ZooRisk) or from life tables in Breeding and Transfer Plans (e.g. where Lx = 0.5) will be lower because it includes these individuals that did not survive to their first birthday in order to project the correct number of births needed. See the PopLink manual for more details.

[2] Censored individuals are individuals whose deaths have not been observed as of the end of the analysis window, including individuals who 1) are still alive as of the end date, 2) exited the geographic window before the end date (through transfer or release), or 3) were lost-to-follow up before the end date.

Appendix I
Definitions

Management Terms (as of June 2016)

Green Species Survival Plan® (Green SSP) Program – A Green SSP Program has a population size of 50 or more animals and is projected to retain 90% gene diversity for a minimum of 100 years or 10 generations. Green SSP Programs are subject to AZA's Full Participation and Non–Member Participation Policies.

Yellow Species Survival Plan® (Yellow SSP) Program – A Yellow SSP Program has a population size of 50 or more animals but cannot retain 90% gene diversity for 100 years or 10 generations. Yellow SSP participation by AZA institutions is voluntary.

Red Species Survival Plan® (Red SSP) Program – A Red SSP has a population size of greater than 20 but fewer than 50 animals, at least three AZA member institutions, and a published studbook. Animal Programs that manage species designated as Extinct in the Wild, Critically Endangered, or Endangered (IUCN) do not need to meet minimum population size and number of participating institution criteria to be designated as an SSP Program. Red Program participation by AZA institutions is voluntary.

Full Participation – AZA policy stating that all AZA accredited institutions and certified related facilities having a Green SSP animal in their collection are required to participate in the collaborative SSP planning process (e.g., provide relevant animal data to the AZA Studbook Keeper, assign an Institutional Representative who will communicate institutional wants and needs to the SSP Coordinator and comment on the draft plan during the 30-day review period, and abide by the recommendations agreed upon in the final plan).

All AZA member institutions and Animal Programs, regardless of management designation, must adhere to the AZA Policy on Responsible Population Management and the AZA Code of Professional Ethics. For more information on AZA policies, see https://www.aza.org/board-approved-policies-and-position-statements

Demographic Terms

Age Distribution – A two-way classification showing the numbers or percentages of individuals in various age and sex classes.

Ex, Life Expectancy – Average years of further life for an animal in age class x.

Lambda (λ) or Population Growth Rate – The proportional change in population size from one year to the next. Lambda can be based on life-table calculations (the expected lambda) or from observed changes in population size from year to year. A lambda of 1.11 means an 11% per year increase; lambda of 0.97 means a 3% decline in size per year.

lx, Age-Specific Survivorship – The probability that a new individual (e.g., age 0) is alive at the *beginning* of age *x*. Alternatively, the proportion of individuals which survive from birth to the beginning of a specific age class.

Mean Generation Time (T) – The average time elapsing from reproduction in one generation to the time the next generation reproduces. Also, the average age at which a female (or male) produces offspring. It is not the age of first reproduction. Males and females often have different generation times.

Mx, **Fecundity** – The average number of same-sexed young born to animals in that age class. Because studbooks typically have relatively small sample sizes, studbook software calculate Mx as 1/2 the average number of young born to animals in that age class. This provides a somewhat less "noisy" estimate of Mx, though it does not allow for unusual sex ratios. The fecundity rates provide information on the age of first, last, and maximum reproduction.

Px, Age-Specific Survival – The probability that an individual of age *x* survives one-time period; is conditional on an individual being alive at the beginning of the time period. Alternatively, the proportion of individuals which survive from the beginning of one age class to the next.

Qx, Mortality – Probability that an individual of age *x* dies during time period. Qx = 1-Px. Alternatively, the proportion of individuals that die during an age class. It is calculated from the number of animals that die during an age class divided by the number of animals that were alive at the beginning of the age class (i.e.-"at risk").

Risk (Qx or Mx) – The number of individuals that have lived during an age class. The number at risk is used to calculate Mx and Qx by dividing the number of births and deaths that occurred during an age class by the number of animals at risk

of dying and reproducing during that age class.

Vx, **Reproductive Value** – The expected number of offspring produced this year and in future years by an animal of age x.

Genetic Terms

Allele Retention – The probability that a gene present in a founder individual exists in the living, descendant population.

Current Gene Diversity (GD) -- The proportional gene diversity (as a proportion of the source population) is the probability that two alleles from the same locus sampled at random from the population will not be identical by descent. Gene diversity is calculated from allele frequencies, and is the heterozygosity expected in progeny produced by random mating, and if the population were in Hardy-Weinberg equilibrium.

Effective Population Size (Inbreeding N_e) -- The size of a randomly mating population of constant size with equal sex ratio and a Poisson distribution of family sizes that would (a) result in the same mean rate of inbreeding as that observed in the population, or (b) would result in the same rate of random change in gene frequencies (genetic drift) as observed in the population. These two definitions are identical only if the population is demographically stable (because the rate of inbreeding depends on the distribution of alleles in the parental generation, whereas the rate of gene frequency drift is measured in the current generation).

Founder – An individual obtained from a source population (often the wild) that has no known relationship to any individuals in the derived population (except for its own descendants).

Founder Genome Equivalents (FGE) – The number wild-caught individuals (founders) that would produce the same amount of gene diversity as does the population under study. The gene diversity of a population is 1 - 1 / (2 * FGE).

Founder Representation -- Proportion of the genes in the living, descendant population that are derived from that founder.

Inbreeding Coefficient (F) -- Probability that the two alleles at a genetic locus are identical by descent from an ancestor common to both parents. The mean inbreeding coefficient of a population will be the proportional decrease in observed heterozygosity relative to the expected heterozygosity of the founder population.

Mean Kinship (MK) – The mean kinship coefficient between an animal and all animals (including itself) in the living, captive-born population. The mean kinship of a population is equal to the proportional loss of gene diversity of the descendant (captive-born) population relative to the founders and is also the mean inbreeding coefficient of progeny produced by random mating. Mean kinship is also the reciprocal of two times the founder genome equivalents: MK = 1 / (2 * FGE). MK = 1 - GD.

Percent Known – Percent of an animal's genome that is traceable to known founders. Thus, if an animal has an UNK sire, the % Known = 50. If it has an UNK grandparent, % Known = 75.

Percent Certain -- The percentage of the living individuals' pedigree that can be completely identified as *certain:* (exact identity of both parents is known) and traceable back to known founders. Individuals that are 100% *certain* do not have any MULTs or UNKs in their pedigree. *Certainty* represents a higher degree of knowledge than *Known* and therefore is always less than or equal to *Known*.

Prob Lost – Probability that a random allele from the individual will be lost from the population in the next generation, because neither this individual nor any of its relatives pass on the allele to an offspring. Assumes that each individual will produce a number of future offspring equal to its reproductive value, Vx.

Appendix J
Directory of Institutional Representatives

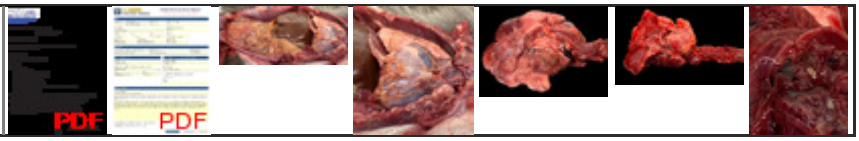
Contact Name	Institution	Email	Phone
Shane Good	AKRON - Akron Zoological Park, Akron, OH	sjgood@akronzoo.org	330-802-0164
Walter Dupree	BROWNSVIL - Gladys Porter Zoo, Brownsville, TX	wdupree@gpz.org	229-412-9102
Jay Duncan	BUSCH TAM - Busch Gardens Tampa Bay, Tampa, FL	jay.duncan@buschgardens.com	813-987-5578
Alex Ernst	CAPE MAY – Cape May County Park Zoo, NJ	Alexander.ernst@co.cape-may.nj.us	
Amy Roberts	CHICAGOBR - Chicago Zoological Park, Brookfield, IL	amy.roberts@czs.org	708-688-8446
Jill Moyse	CHICAGOLP - Lincoln Park Zoological Gardens, Chicago, IL	jmoyse@lpzoo.org	(312)742-2111
Joanna Husby	COLO SPRG - Cheyenne Mtn Zoological Park, Colorado Springs, CO	jhusby@cmzoo.org	719-424-7867
Linda King	DALLAS - Dallas Zoo, Dallas, TX	linda.king@dallaszoo.com	469-554-7212
Matt Lenyo	DENVER - Denver Zoological Gardens, Denver, CO	MLenyo@DenverZoo.org	(720)337-1691
Barb Weber	DISNEY AK – Disney's Animal Kingdom, Bay Lake, FL	barbara.weber@disney.com	407-938-2823
Jennifer Salandra	ERIE - Erie Zoological Gardens, Erie, PA	Jsalandra@eriezoo.org	814-864-4091
Kurt Giesler	FORTWORTH - Fort Worth Zoological Park, Ft Worth, TX	kgiesler@fortworthzoo.org	817-759-7165
Gabi Skollar	GIBSBIRDS - Gibbon Conservation Center (GCC), Ca	gabi@gibboncenter.org	661-296-2737
Dena Honeycutt	HOUSTON - Houston Zoo	dhoneycutt@houstonzoo.org	(713)874-5107
Cinnamon Williams	KANSASCTY - Kansas City Zoo, Kansas City, MO	cinnamonwilliams@fotzkc.org	816-595-1325
Courtney Janney	MEMPHIS - Memphis Zoological Garden & Aquarium, Memphis, TN	cjanney@memphiszoo.org	901-334-6024
Lyn Heller	METROZOO - Zoo Miami, Miami, FL	lynann.heller@miamidade.gov	305-251-0400 x 5084923
Tom Ness	MINNESOTA - Minnesota Zoological Garden, Apple Valley, MN	tom.ness@state.mn.us	952-431-9391
Sabrina Barnes	NASHV ZOO - Nashville Zoo at Grassmere, Nashville, TN	sbarnes@nashville.org	615-833-1534 x 117
Jill Tarrant	NORFOLK - Virginia Zoological Park, Norfolk, VA	jill.tarrant@norfolk.gov	757-441-2374 x 255
Colleen McCann	NY BRONX - Bronx Zoo/Wildlife Conservation Societ, Bronx, NY	cmccann@wcs.org	718-220-7112
Meredith Bastian	NZP-WASH - Smithsonian National Zoological Park, Washington, DC	bastianm@si.edu	202-633-3243
Christie Eddie	OMAHA-Omaha's Henry Doorly Zoo & Aquarium	christiee@omahazoo.com	402-557-6932
Michelle Farmerie	PITTSBURG-Pittsburgh Zoo, Pittsburgh, PA	mfarmerie@pittsburghzoo.org	412-365-2385
Becca Van Beek	PORTLAND - Oregon Zoo, Portland, OR	becca.vanbeek@oregonzoo.org	503-525-4229
Pamela Jones	PROVIDNCE - Roger Williams Park Zoo, Providence, RI	pjones@rwpzoo.org	(401)785-3510 (311)
Frank Carlos Camacho	PUEBLA - Africam Safari, Puebla, Mexico	fcamacho@africamsafari.com.mx	52 222 2827000 x 239
Jonathan Reding	SAN ANTON - San Antonio Zoological Gardens & Aqua, San Antonio, TX	jreding@sazoo.org	210-734-7184 x 1330
Peter Costello	STONEHAM - Walter D. Stone Memorial Zoo, Stoneham, MA	pcostello@zoonewengland.com	781-438-1407
Telena Welsh	TACOMA - Point Defiance Zoo & Aquarium, Tacoma, WA	telen.welsh@pdza.org	253-404-3684
Michael Frushour	TOLEDO - Toledo Zoological Gardens, Toledo, OH	michael.frushour@toledozoo.org	(419)385-5721 (2084)
Erin Mowall	W ORANGE - Turtle Back Zoo, West Orange, NJ	emowatt@parks.essexcountynj.org	(973)731-5800 (292)
Daniel Brands	WINSTON - Wildlife Safari Inc, Winston, OR	dbrands@wildlifesafari.net	(541)679-6761 (201)

Pathology 20N1020 Final Report

Necropsy FINAL Report					
Patient#:	94-97-28	**Visit#:**	8178DI	**Pathology#:**	**20N1020**
Tag#:	Ivan HMO808			**Date Requested:**	JUNE 11, 2020
Species:	PRIMATE	**Breed:**	GIBBON	**Resident:**	M. A. MAGLATY, DVM
Sex:	M	**Color:**		**Pathologist:**	SPECIAL-WOOLARD, DVM, PhD, DACVP C. E. ALEX, DVM K. J. OLSTAD, DVM, DACVP SPECIAL-WOOLARD, DVM, PhD, DACVP C. E. ALEX, DVM
Birthdate:	JAN 1, 1974			**Clinician:**	Gjeltema, Jenessa L
				Surgeon:	
Owner:	Gibbon Conservation Center			**Ref Vet:**	R25770 Skollar, Gabriella
Address:	PO Box 800249 Santa Clarita, CA 91380			**Address:**	Gibbon Conservation Center PO Box 800249 Santa Clarita, CA 91380
Comment:	HOLD FOR DECISION				

Specimen:	**Preservative:**	**Date Reported:**	DEC 9, 2020
EUTHANIZED On:	JUNE 9, 2020	**Post Mortem Interval:**	
Post Mortem State:		**Nutritional State:**	

PROCEDURES REQUESTED:

9556	Outside Necropsy - Small (upon appoval)	

SIGNIFICANT FINAL DIAGNOSES:

1. LUNG: CARCINOMA WITH SEVERE DESMOPLASIA AND MULTIFOCAL NECROSIS
2. LEFT THYROID GLAND: SEVERE MULTIFOCAL CHRONIC INTERSTITIAL FIBROSIS WITH FOCALLY EXTENSIVE NECROSIS AND DYSTROPHIC MINERALIZATION
3. RIGHT THYROID GLAND: MODERATE MULTIFOCAL CHRONIC INTERSTITIAL FIBROSIS
4. HEART: MODERATE LEFT VENTRICULAR EPICARDIAL AND MYOCARDIAL DEGENERATION WITH MULTIFOCAL FIBROSIS
5. HEART: MILD FOCALLY EXTENSIVE RIGHT VENTRICULAR LYMPHOPLASMACYTIC AND NEUTROPHILIC MYOCARDIAL INFILTRATE
6. LIVER: SEVERE MULTIFOCAL WIDESPREAD PORTAL HEMOSIDEROSIS AND HISTIOCYTOSIS WITH MULTIFOCAL RANDOM PIGMENT GRANULOMAS
7. SPLEEN: MODERATE MULTIFOCAL INUS HISTIOCYTOSIS WITH HEMOSIDEROSIS
8. COLON: MILD TO MODERATE, DIFFUSE LYMPHOPLASMACYTIC COLITIS AND MILD MULTIFOCAL MUCOSAL HEMOSIDEROSIS
9. SMALL INTESTINE: SEVERE MULTIFOCAL VASCULAR CONGESTION
10. SPINAL CORD (THORACIC): MILD MULTIFOCAL AXONAL DEGENERATION AND SPHEROID FORMATION
11. WHOLE BODY: THIN BODY CONDITION (GROSS DIAGNOSIS)
12. JOINTS (RIGHT AND LEFT COXOFEMORAL, LEFT TARSAL, LEFT AND RIGHT CARPAL, LEFT AND RIGHT ELBOWS): MODERATE MULTIFOCAL ARTICULAR CARTILAGE FIBRILLATION AND ATTENUATION WITH MILD MULTIFOCAL OSTEOPHYTE FORMATION (CONSISTENT WITH DEGENERATIVE JOINT DISEASE; GROSS DIAGNOSIS)

SECONDARY DIAGNOSES:

1. GALLBLADDER: FOCAL CHOLELITH (NON-OBSTRUCTIVE)
2. MEDIASTINUM: MULTIFOCAL CYSTS
3. RIGHT THYROID GLAND: MULTIFOCAL FOLLICULAR ECTASIA
4. BRAIN: MILD, MULTIFOCAL PERIVASCULAR INTRAHISTIOCYTIC PIGMENT ACCUMULATION (PRESUMED HEMOSIDERIN)
5. BRAIN, SPINAL CORD: MODERATE TO MARKED, MULTIFOCAL NEURONAL PIGMENT ACCUMULATION (PRESUMED NEURONAL LIPOFUSCINOSIS)

6. BRAINSTEM, SPINAL CORD (ALL LEVELS): POLYGLUCOSAN BODIES, MULTIFOCAL, MODERATE

FINAL COMMENT:

Clinical respiratory signs are attributed to pulmonary carcinoma with a severe scirrhous response and multifocal necrosis. Large, round, well-demarcated regions of necrosis surrounded by fibrosis are likely the cause of grossly identifiable nodules. These necrotic regions are suggestive of chronic granulomas; however, an acid fast stain was performed on this tissue check for evidence of myocbacterium, and no acid-fast positive bacteria were observed.

Moderate to severe interstitial fibrosis in the thyroid glands is unusual and may indicate previous thyroiditis, though no residual inflammatory cells remain. Abundant periportal pigment-laden macrophages in the liver are likely an aging change, as this lesion has been identified in previous gibbon necropsy cases and one case report. The significance of this lesion is unknown, but likely was not related to clinical signs in this animal. Degenerative joint disease is commonly seen in aging animals and was moderate within all joints examined. A cholelith in the gallbladder is likely incidental and unrelated to clinical signs. All other lesions were mild and likely incidental.

CLINICAL ABSTRACT:

Started with lethargy in early April. Then upper respiratory symptoms, sneezing, and feeling out of breath after locomotion. Did bloodwork and chest X-ray early May. I will attach medical records to the email. We started him on Clavamox 1cc 2x/day, and he improved. Retest chest X-ray but there were no improvements in his lungs. He was tested for Covid-19, Valley Fever, Aspergiollis, and they were all negative. He was also TB tested, eyelid had some swelling on the first two days but it was negative on the 72 hours.

most likely lung cancer or pneumonia

GROSS NECROPSY FINDINGS:

A 5.6 kg, 46 year old male intact gibbon is submitted for complete necropsy on 6/11/20 after euthanasia on 6/9/20 (post-mortem interval: 43 hours). The body was received frozen on dry ice and was gently thawed at room temperature for 18 hours. The body is in good to fair post-mortem condition and thin nutritional condition based on minimal subcutaneous and internal adipose stores.

The articular surfaces of multiple joints (coxofemoral, elbow, carpal, and left tarsal joint) are mottled red to dark brown, roughened, and moderately fibrillated. The left coxofemoral joint is more severely affected than the right side and has few, short, bony protrusions (osteophytes) on the lateral aspect of the femoral head. The left tarsal joint has a moderately thickened joint capsule. Joint fluid is absent (suspect post-mortem freeze-thaw artifact).

The left thyroid gland (1.6 x 0.7 x 0.8 cm) is moderately larger than the right thyroid gland (1.0 x 0.5 x 0.5 cm) and has an asymmetric 0.5 cm firm, pale tan, bulging nodule along the periphery. On cut surface, this nodule is filled with soft,chalky, pale tan material that exudes out from the surface.

The lungs are mottled red to dark red with multifocal to coalescing, moderately firm, pale tan nodules throughout all lung lobes. The right and left caudal lung lobes are more severely affected and have widespread areas of consolidation that are quite firm. On cut section, the pulmonary parenchyma is mottled tan to red to dark red with multifocal round, discreet, moderately firm, pale tan nodules throughout. Discrete nodules measure 0.2-0.5 cm in diameter, and large consolidated areas extend up to 3 x 2 x 2 cm. Consolidated and nodular sections of lung lobe sink in 10% neutral buffered formalin.

Two translucent cysts extend along the mediastinum and each measure 1.0 x 0.6 x 0.5 cm. When cut, a moderate amount of yellow to clear, gelatinous fluid oozes out. Two similar smaller cysts are found within fascia adjacent to the trachea.

The heart weighs 47.8 g (0.85% body weight) with a left ventricular free wall, right ventricular free wall and interventricular septal thickness of 0.5, 0.2 and 0.6 cm respectively.

The liver weighs 295.8 g (5.28% body weight). Within the gallbladder lumen, there is a firm, round, dark green, circular concretion which measure 0.6 cm in diameter (cholelith). The gallbladder contains a moderate amount of yellow-green thick mucoid material. The gallbladder mucosal surface is mildly roughened.

HISTOPATHOLOGICAL SUMMARY:

The following tissues were examined microscopically: (T1) lung masses (rush slide); (T2-T3) lung masses; (T4) tracheobronchial LN, spleen, liver, left thyroid, gallbladder; (T5) kidney, heart, right thyroid; (T6) heart (T section); (T7) mesenteric lymph node, stomach, small intestine; (T8) cecum, colon, urinary bladder; (T9-T13) brain; (T14) cervical SC; (T15) thoracic SC; (T16) lumbosacral SC.

ANCILLARY TESTS:

Special stains:

* Ziehl-Neelson acid fast (T3, T4): Mild background/non-specific staining is observed in regions of necrosis.

* Giemsa (T6): No bacteria or other infectious agents are observed.
* Congo red (T8): No congophilic material is observed.

Immunohistochemistry:

* Pancytokeratin (T3, T4): Neoplastic cells within the lung and thyroid gland exhibit strong cytoplasmic immunoreactivity to pancytokeratin. Background staining is minimal to absent.

mm40

M. A. MAGLATY, DVM

GIBSBIRDS – non-AZA participating organization

Gibbon Conservation Center (GCC)

Santa Clarita, CA

Note: If your current pairings have changed or if different breeding pairs are preferred, please contact the SSP Coordinator. The MateRx can be used to help identify genetically beneficial breeding pairs (ranked 1, 2, or 3) that should be prioritized for breeding. For more information on using MateRx please see page 11 or contact the SSP Coordinator.

ID	Local ID	House Name	Sex	Age	Disposition	Location	Breeding	With	Notes
0142	NL600	Vok	M	35	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
133	NL607	Astriks	F	18	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
347	NL694	Canter	M	10	HOLD	GIBSBIRDS	BREED WITH	351	Genetically valuable pairing
351	NL697	Lucia	F	8	HOLD	GIBSBIRDS	BREED WITH	347	Genetically valuable pairing
355	NL606	Pierre	M	14	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
361	NL695	Pepper	F	7	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
365	NL692	Nate	M	6	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable
372	NL690	Dennis	M	4	HOLD	GIBSBIRDS	SEE NOTES		Genetically valuable

Using the **MateRx** Matrix:

MateRx should be used to pair up or re-pair birds if necessary.

Pairs with Mate Suitability Indices (MSIs) of 1, 2, or 3 should be prioritized for breeding, while pairs with MSIs 5,6, or —— are discouraged. MSI ratings of 4 may be bred for demographic purposes.

For more explanation on **MateRx**, please refer to Appendix F at the back of this document.

		Females		
		133	351	361
Males	0142	**3**	**3**	-
	347	**3**	**3**	-
	355	**1**	**1**	**2**
	365	-	-	**3**
	372	**3**	**3**	-

California National Primate Research Center
Pathologists: Pedro Ruivo, DVM, MSc; Gabrielle Pastenkos, DVM, PhD, DACVP
Animal ID: Shelby
Age: 39
Necropsy performed: October 21, 2021

Histologic findings

Heart: In all chambers, cardiomyocytes are shrunken (atrophy) or contain sarcoplasmic vacuoles (cardiomyocyte degeneration) and are surrounded by increased amounts of clear space (edema fluid residue) and fibrillar collagen (interstitial fibrosis). There is moderate, multifocal deposition of globular, golden-brown pigment (hemosiderin, presumptive) throughout the endomysium. There is moderate subepicardial fibrosis with entrapment of cardiomyocytes. Small numbers of cardiomyocytes contain deposits of stippled to globular, basophilic material (mineral). Several interstitial blood vessels are occluded by mineral. Valve leaflets are multifocally thickened by aggregates of loosely arranged to stellate cells embedded in a myxomatous, basophilic matrix (endocardiosis).

Aorta: Multiple segments from thoracic and abdominal aorta are examined; changes in all segments are similar and described together. The tunica intima is thickened by coalescing plaques composed of smooth muscle cells, fibroblasts, mineral, acicular cholesterol clefts, and macrophages distended by copious finely vacuolated cytoplasm (atherosclerosis). There is mild, multifocal mineral deposition throughout the tunica media.

Trachea: Circumferentially, tracheal cartilage is replaced by coalescing nodules of glassy, eosinophilic material (osseous metaplasia) and mineral deposits. Metaplastic bone is disrupted by a broad cavity filled with fibrovascular tissue; the inner surface of the cavity is irregularly scalloped with a thin rim or discontinuous spicules on the mucosal side. The tracheal mucosa is covered by aggregates of proteinaceous and mucoid material and few free erythrocytes. Submucosal glands are multifocally ectatic and contain mineral deposits.

Lung: Multifocally, alveoli are filled with homogenous to fibrillar, lightly eosinophilic material (edema fluid residue) and increased numbers of foamy macrophages. Scattered macrophages contain intracytoplasmic, golden-tan pigment (hemosiderin, presumptive). Alveolar septa are multifocally, mildly to moderately widened by interstitial fibrosis. In the most severely affected regions, the alveolar epithelium is mildly hyperplastic.

Thyroid gland: Bilaterally, follicles are moderately to markedly ectatic, lined by attenuated epithelium, and contain lightly eosinophilic to lightly basophilic colloid and foamy macrophages (follicular degeneration). Large numbers of follicles are partially to completely lined by tall, columnar epithelium that forms polyploid projections (hyperplasia). No parathyroid gland is present in section.

Liver: Abundant fibrous connective tissue, hemosiderin laden macrophages, and numerous small caliber biliary ducts and ductules (ductular reaction) diffusely thicken the capsule and circumscribe portal regions. There is multifocal portal to portal bridging and moderate lymphoplasmacytic portal hepatitis. Scattered portal vessels are disrupted by scalloped, linear deposits of mineral. The hepatic parenchyma is disrupted by a multinodular, densely cellular, expansile, encapsulated mass composed of sheets of adipocytes and hematopoietic tissue (myelolipoma). The gallbladder is autolyzed.

Kidney: Changes are identical in both kidneys and described together. The cortical surface is undulant. The interstitium is severely, multifocally expanded by loosely arranged fibrous connective tissue that surrounds and entraps shrunken tubules. There is severe, multifocal tubular ectasia. Ectatic tubules are lined by attenuated epithelium and contain casts of glassy, lightly eosinophilic material. There is severe, multifocal mineralization of tubules, tubular basement membranes, and Bowman's capsule. Diffusely, glomerular mesangium is expanded by lightly eosinophilic material and glomerular capillary loops are subjectively thickened. Mesangial tufts additionally contain small amounts of globular, golden, tan pigment. There is widespread vacuolation of medullary tubular epithelium. In the deep medulla, the interstitium is expanded by nodular aggregates of lightly eosinophilic, glassy, fibrillar to homogenous material (amyloid, presumptive).

Spleen: The capsule is thickened by dense, mature fibrous connective tissue disrupted by stippled to linear aggregates of mineral. Trabecular smooth muscle is moderately widened by fibrous connective tissue and mineral. Red pulp is moderately congested.

Tongue: The squamous mucosa is moderately thickened by laminar keratin (hyperkeratosis). Embedded in keratin are large numbers of 3 µm diameter, ovoid to teardrop yeast bodies, 1 to 2 µm diameter, approximately 10 µm long hyphae, and mats of densely arranged coccoid bacteria. The superficial submucosa is widened by amyloid (presumptive). Mural arterioles and small arteries are thickened by intimal proliferation with medial mineral deposition.

Gastrointestinal tract: The mucosa of the gastrointestinal tract is diffusely, moderately autolyzed. There is multifocal, transmural deposition of amyloid (presumptive) and mineral in the stomach and large intestine. In sections of antrum and greater curvature (presumptive), the submucosa and muscularis are disrupted by coalescing irregular, spherical to ovoid, laminar or fragmented deposits of deeply basophilic mineral. Deposits are up to 0.5 cm wide and surrounded by rims of epithelioid macrophages, eosinophils, neutrophils, lymphocytes, and a compressed band of fibrous connective tissue. Adipocytes throughout serosal fat are sparsely distributed, small, collapsed, devoid of lipid, and contain weakly eosinophilic material (atrophy).

Pancreas: Diffusely, acinar cells are small and angular and contain reduced numbers of zymogen granules. The interstitium, particularly surrounding ducts and ductules, is diffusely expanded by fibrosis with entrapment of acini. At the duodenum, acini are focally effaced by neutrophils, fibrin, free erythrocytes, and karyorrhectic debris. Islets are subjectively small, contain few cells, and are largely replaced by amyloid (presumptive) with mild, multifocal mineral deposition. Two well-demarcated nodules of acini, ductules, and islets (nodular hyperplasia) elevate the capsule. There is multifocal serous atrophy of peripancreatic fat with fibrosis and mineralization.

Testis, epididymis: The testicular interstitium is diffusely expanded by fibrosis and contains small aggregates of hemosiderin. There is multifocal, moderate vacuolation of seminiferous tubular epithelium with marked germ cell depletion; lumina are devoid of spermatozoa. Epididymal tubules are empty or contain small numbers of macrophages, exfoliated germ cells, free erythrocytes, wispy eosinophilic material, and hemosiderin.

Urinary bladder: There is moderately increased amounts of fibrous connective tissue in the muscular wall.

Eye: Diffusely, arterioles within the optic nerve are widened by medial deposits of hyaline, lightly eosinophilic material (hyaline arteriosclerosis).

Brain: The choroid plexus interstitium is diffusely, severely expanded by fibrosis with multifocal, mild mineral deposition. Scattered throughout white and gray matter of the cerebrum are small numbers of glassy, basophilic, spherical structures (corpora amylacea). Neurons contain perinuclear aggregates of finally stippled golden-brown material (lipofuscin). The arachnoid mater of the meninges is multifocally thickened (meningothelial proliferation) and disrupted by small aggregates of mineral.

Pituitary gland: Throughout the anterior pituitary are numerous variably dilated follicular structures lined by cuboidal to attenuated epithelium. Follicles are filled with homogenous, eosinophilic material or laminar, amphophilic material. The interstitium is diffusely, moderately thickened by fibrosis. There are scattered hemosiderin deposits in the anterior and posterior pituitary. There is multifocal mineral deposition in the posterior pituitary.

Skin: There is multifocal, minimal acanthosis with orthokeratotic hyperkeratosis. Adnexa are circumscribed by moderate fibrosis. Apocrine glands are ectatic and filled with flocculent, lightly basophilic material or aggregates of mineral. There is mineralization of the basement membrane of glands.

Integument (mass): There are coalescing deposits of mineral up to 1.0 cm wide. Mineral material is irregular, spherical to ovoid, laminar, or fragmented. Deposits are circumscribed by numerous epithelioid and multinucleate macrophages bordered by a fibrous capsule and surrounded by wide, anastomosing bands of fibrous tissue. Adjacent skeletal muscle is multifocally compress with small numbers of degenerate myocytes and satellite cell proliferation.

Skeletal muscle (medial thigh), sciatic nerve: Scattered myocytes are enlarged and exhibit the following features: smooth, brightly eosinophilic sarcoplasm; sarcoplasmic vacuolation; centralized nucleoli (degeneration and regeneration). A few degenerate myocytes contain mineral deposits.

Bones/joints: The following bones are examined microscopically: femoral head, acetabulum, scapula. Similar changes are described together. Articular cartilage is thinned to eroded with decreased matrix basophilic and superficial fraying (fibrillation). The base of articular cartilage is disrupted by multiple clefts that run perpendicular to the long axis of the bone. Subchondral bone is diffusely, moderately to markedly thickened (subchondral sclerosis). The periosteal surfaces of cortical bone are irregularly scalloped (osteoclastic resorption). Slender, undulant, basophilic lines (reversal lines) run parallel to the cortices. Trabeculae are widened by bands of lightly eosinophilic, poorly or unmineralized osteoid (osteomalacia). In sections of the scapula, the surfaces of trabecular bone are irregularly scalloped (osteoclastic resorption) and the periosteal surface is markedly expanded by poorly mineralized woven bone and fibrovascular tissue. Intertrabecular spaces are filled with fibrovascular tissue. The adjacent synovium is thickened, and the synovial cavity is markedly expanded by dense aggregates of mineral admixed with granulocytes, and macrophages. The synovial lining is markedly disrupted by mineral deposition, large numbers of epithelioid and multinucleate macrophages, and fibroplasia. There are a few small foci of neutrophilic infiltrate with disruption of bone.

Final diagnoses

Kidney: Glomerulosclerosis, diffuse, moderate to severe, with tubular degeneration and atrophy, interstitial fibrosis, protein casts, and widespread tubular and glomerular mineralization

Cardiomyocytes, blood vessels (heart, liver, tongue), gastric mucosa, pancreatic islets, tracheal submucosal glands, dermal apocrine glands, splenic smooth muscle, meninges, posterior pituitary gland: Mineralization, multifocal, severe

Scapula: Fibrous osteodystrophy, focally extensive, severe

Femoral head, acetabulum: Osteomalacia, diffuse, severe

Hip, knee: Osteoarthritis, multifocal, severe

Integument, gastric wall, synovial cavity, periarticular soft tissues: Tumoral calcinosis (pseudogout)

Stomach, large intestine, tongue, pancreatic islets: Amyloid deposition, multifocal, severe

Heart: Cardiomyocyte degeneration and atrophy, diffuse, moderate, with interstitial fibrosis and endocardiosis

Aorta: Atherosclerosis

Liver:

1. Portal fibrosis, multifocal, moderate, with bridging and ductular reaction
2. Myelolipoma

Lung:

1. Pulmonary edema, multifocal, moderate, with hemosiderin-laden macrophages
2. Interstitial fibrosis, multifocal, moderate

Optic nerve: Hyaline arteriolosclerosis, diffuse

Brain:

1. Choroid plexus interstitial fibrosis, diffuse, severe
2. Meningothelial proliferation, multifocal, mild, with mineralization

Skeletal muscle: Myocyte degeneration and regeneration, multifocal, mild, with mineralization

Pituitary: Interstitial fibrosis, diffuse, moderate

Tongue: Hyperkeratosis, diffuse, moderate, with intracorneal yeast (*Candida* sp., presumptive) and bacteria

Trachea: Osseous metaplasia, multifocal, with resorption of bone and replacement by fibrous connective tissue

Thyroid: Follicular degeneration and nodular hyperplasia, bilateral, multifocal, moderate

Testis: Testicular degeneration, diffuse

Scapula: Osteitis, neutrophilic, multifocal, mild

Pancreas:

1. Interstitial fibrosis, diffuse, severe, with acinar atrophy and zymogen granule depletion
2. Pancreatitis, necrosuppurative, focal, mild

Abdominal adipose tissue: Serous atrophy, diffuse, with multifocal fibrosis and mineral deposition

Comments

The primary diagnosis in this case is severe, chronic renal disease leading to renal failure with uremia, metastatic mineralization/calcification, and metabolic bone disease. The constellation of lesions is consistent with renal secondary hyperparathyroidism, suggesting the following pathogenesis: decreased glomerular filtration with phosphate retention, decreased circulating calcitriol, parathyroid chief cell hyperplasia, and increased PTH secretion, leading to increased bone resorption with replacement by fibrous connective tissue (fibrous osteodystrophy), impaired mineralization of new bone (osteomalacia), and metastatic mineralization of soft tissues. The parathyroid gland was not present in examined sections, therefore chief cell hyperplasia is not confirmed histologically. Serum chemistry and urinalysis findings, if available, may further support this diagnosis. The mass lesions observed clinically and grossly correspond to multifocal deposits of mineral, interpreted as tumoral calcinosis (also known as pseudogout).

Fat atrophy and pancreatic zymogen granule depletion suggest inanition, possibly secondary to uremia. Glossal hyperkeratosis also suggests inanition. Hyaline arteriolosclerosis in the optic nerve may indicate systemic hypertension. Atherosclerosis results from chronic arterial inflammation; systemic hypertension can be a factor in its development. Amyloid deposition throughout the gastrointestinal tract may be secondary to chronic inflammation; osteoarthritis is one possible cause in this case. In other nonhuman primate species, amyloid deposition in pancreatic islets can be associated with, but is not diagnostic for, diabetes. Myelolipomas are benign tumors composed of adipose and hematopoietic tissue; in this case, the hepatic myelolipoma was likely clinically insignificant. Pulmonary fibrosis may represent a previous, resolved insult. Pulmonary edema may be secondary to uremia or cardiac decompensation. The primary cause of focal pancreatitis and osteitis is not determined. These lesions may be secondary to age-related depression of the immune system and are interpreted as incidental.

Significant histologic findings that are interpreted as age-related but clinically significant include cardiomyocyte degeneration/atrophy, endocardiosis, and osteoarthritis. Choroid plexus fibrosis, severe in this case, has been associated with cardiac disease in primates. The following lesions are interpreted as age-related and/or incidental: testicular degeneration, thyroid follicular degeneration, interstitial fibrosis (multiple tissues), osseous metaplasia of tracheal cartilage, and meningothelial proliferation. Remaining lesions are interpreted as secondary and/or incidental.

Anastasia

3 messages

Richards, Beth A. <Beth.A.Richards@disney.com> Thu, Jan 25, 2024 at 8:58 AM
To: Gabriella Skollar <gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>

Hi, Gabi,

I hope all is well. I wanted to check in to see if you still anticipate being able to send Anastasia to an AZA zoo for breeding once older. We had to adjust our intended pairings because there is a possibility that the valuable male we thought was a behavioral non-breeder may in fact breed. This leaves a very valuable 7 YO male at NASHV ZOO without a decent breeding partner. He is a great pairing with Anastasia (and she would become the most valuable female in our population). If you think you will be able to send her to us, when do you think you would be comfortable separating her from her family? We are struggling to find a temporary placement for the NASHV ZOO male until he can be paired. His mom is having a baby in March, and they only have two small holding stalls, so they really need to move him out. Do you have any space to house him adjacent until they could be introduced? I know you are tight on space, as well.

Thanks,

BR

Beth Richards—Primate-Carnivore Zoological Manager/Disney's Animal Kingdom

Cell 321-263-6341 beth.a.richards@disney.com

Gibbon SSP Coordinator

Days off Sunday-Tuesday

Gabi Skollar <Gabi@gibboncenter.org> Tue, Feb 6, 2024 at 12:48 AM
To: "Richards, Beth A." <Beth.A.Richards@disney.com>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>

Hi Beth,
Yes, we are very tight on space and housing Vok and Dennis separately now. We can send Anastasia out when she is 6-7 years old. Are the parents aggressive towards him? It would be good for him to interact with the new infant.
Gabi
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
http://www.gibboncenter.org/

[Quoted text hidden]

Richards, Beth A. <Beth.A.Richards@disney.com> Wed, Feb 7, 2024 at 6:20 AM
To: Gabi Skollar <Gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ott, Amanda" <Amanda.Ott@disney.com>

Aggression has been increasing, though it isn't at a critical level yet, as far as I am aware. They only have two small bedrooms. The adult pair had been spending the nights outside while the younger male was going inside. They have been struggling this winter having to have them all inside during cold weather. They are concerned that it will further break down after she delivers. When the female had him, she became very aggressive to the father. I would love for him to see some maternal care but am concerned the situation will become unmanageable at this point.

I may have had an exhibit freed up over the weekend due to a euthanasia, so there is the possibility that I can send the male there, but that would leave him alone until Anastasia is ready to leave. Might be the best option if it could work out, since at least he would have a safe space to live in.

Thanks,

BR

From: Gabi Skollar [mailto:Gabi@gibboncenter.org]
Sent: Tuesday, February 6, 2024 3:49 AM
To: Richards, Beth A. <Beth.A.Richards@disney.com>
Cc: Becky Malinsky <malinskyb@si.edu>; Ott, Amanda <Amanda.Ott@disney.com>
Subject: Re: Anastasia

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Marlow Siamang

3 messages

Richards, Beth A. <Beth.A.Richards@disney.com> Fri, Nov 8, 2019 at 2:49 PM
To: Gabriella Skollar <gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ferrie, Gina M." <Gina.M.Ferrie@disney.com>

Hi, Gabi,

The Gibbon SSP is currently working on some siamang recommendations in order to pair up two single males. We wanted to see if you would be willing to consider placing Marlow at another zoo for breeding. As you may know, we currently have a shortage of females, and Marlow is one of the most genetically-valuable females in the population. We would like to send her to Alexandria Zoo in Louisiana to pair with 14 YO male Tucker (SB 492), who is raising his 2 YO son following the death of his mother a year ago. We think this would be a great opportunity for the young male to observe appropriate social behaviors and would allow Marlow to breed. Please let us know if you would consider this recommendation or if you have any questions.

Thanks,

BR

Beth Richards

Zoological Manager/Primate-Carnivore Team

Disney's Animal Kingdom

Gibbon SSP Coordinator

(407) 938-2598 office

(321) 263-6341 cell

Days off: Sunday-Tuesday

Gabi Skollar <Gabi@gibboncenter.org> Sat, Nov 9, 2019 at 10:02 PM
To: "Richards, Beth A." <Beth.A.Richards@disney.com>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ferrie, Gina M." <Gina.M.Ferrie@disney.com>

Hi Beth,
Marlow has Inflammatory Bowel Disease, that also affecting her joints. She just started to do better on a new treatment, singing again daily, having more solid feces, and being more active, having fewer flare-ups. Both her parents had IBD, she started having the same symptoms at around 10 years old. We are scheduling her for a medical exam again soon, and we can discuss it with Dr. Howard if he would recommend her to breed.
The other issue, that currently, she is providing companionship to a hoolock gibbon, and if I send Marlow away I would have to house U Mynt alone for a few years until a female hoolock will be old enough to be introduced to him.
She is our only siamang, and in the future, after we move, we would like to house more, and perhaps introduce her also to a male siamang. It would be very sad, and quiet not having a siamang at the GCC.
Personally, I don't want to send her out, my staff also strongly disagree, but I will also discuss it with Dr. Howard.
Thanks,
Gabi

Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
Wish List for the Gibbon Conservation Center
http://www.gibboncenter.org/
https://soundcloud.com/gibbonconservationcenter
https://www.instagram.com/gibbonconservationcenter/
https://www.facebook.com/GibbonConservationCenter

SSA Zoo Liaison for North America
IUCN SSC Primate Specialist Group
Section on Small Apes
http://www.gibbons.asia/

[Quoted text hidden]

Richards, Beth A. <Beth.A.Richards@disney.com> Sat, Nov 16, 2019 at 11:56 AM
To: Gabi Skollar <Gabi@gibboncenter.org>
Cc: Becky Malinsky <malinskyb@si.edu>, "Ferrie, Gina M." <Gina.M.Ferrie@disney.com>

Thanks, Gabi. We appreciate you considering this proposal and understand your concerns. Marlow is very valuable and would certainly improve the health of the SSP population if allowed to breed within the population. We look forward to hearing your decision.

Thanks,

BR

[Quoted text hidden]

USDA

Expiration Date: January 1, 3000

United States Department of Agriculture

Marketing and Regulatory Programs

Animal and Plant Health Inspection Service

Animal Care

This is to certify that
Gibbon Conservation Center

is a registered Class R - Research Facility under the

Animal Welfare Act

(7 U.S.C. 2131 et seq.)

Certificate No. 93-R-0602

Customer No. 3653

Elizabeth Goldentyer

Deputy Administrator

APHIS FORM 7021 (JUL 2019)

USDA

Expiration Date: 11-04-2025

United States Department of Agriculture

Marketing and Regulatory Programs

Animal and Plant Health Inspection Service

Animal Care

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Gibbon Conservation Center

is a licensed Class C - Exhibitor
under the

Animal Welfare Act

(7 U.S.C. 2131 et seq.)

Certificate No. 93-C-0340

Customer No. 3653

Maximum Number Of Animals Authorized: **50**

Authorized Dangerous Animal Group(s): **Group 6 Non-Human Primates;**

Elizabeth Goldentyer

Deputy Administrator

APHIS FORM 7007 (JUL 2019)

This license must be clearly visible to the general public and to patrons entering the facility as defined in Los Angeles County Code Title 10 Section 10.28.280

COUNTY LICENSE

No. B22-2183AM

COUNTY OF LOS ANGELES – STATE OF CALIFORNIA

THE LICENSEE NAMED HEREON HAS PAID TO THE UNDERSIGNED TAX COLLECTOR THE AMOUNT SHOWN AND IS HEREBY LICENSED, UNDER PROVISIONS OF TITLE 10, FOR THE PERIOD EXPIRING ON THE DATE SHOWN TO CARRY ON BUSINESS OR OCCUPATION OR MAINTAIN THE ANIMAL SPECIFIED, AT THE LOCATION SHOWN. THIS LICENSE IS SUBJECT TO ANY SPECIAL CONDITIONS SHOWN AND IS VALID ONLY IN THE UNINCORPORATED TERRITORY OR IN CONTRACTING CITIES OF LOS ANGELES COUNTY.

LICENSE FEE	$ 175.00	TOTAL	$ 175.00	DATE OF ISSUE	4/9/2022	DATE OF EXPIRATION	4/9/2023

ANIMAL MENAGERIE (661) 296-2737

GIBBON CONSERVATION CENTER
GABRIELLA SKOLLAR
19100 ESGUERRA RD
SAUGUS, CA 91390

COUNTY TAX COLLECTOR
and Ex-officio County License Collector

MARCIA MAYEDA
DIRECTOR OF ANIMAL CONTROL

Facility Inspection grade: A

R22-937574 P5853160 A4816397

By JAIME PALAFOX

LICENSEE LOCATION – BUSINESS OR TYPE ANIMAL

THIS LICENSE IS NOT TRANSFERABLE

Rev. A – 05/03/10

CAPTIVE-BRED WILDLIFE REGISTRATION

Permit Number: MA757434-1

Effective: 04/07/2020 Expires: 04/07/2025

Issuing Office:

Department of the Interior
U.S. FISH AND WILDLIFE SERVICE
DIVISION OF MANAGEMENT AUTHORITY
BRANCH OF PERMITS, MS: IA
5275 LEESBURG PIKE
FALLS CHURCH VA 22041-3803

CHIEF, BRANCH OF PERMITS, OMA

Permittee:

GIBBON CONSERVATION CENTER
19100 ESGUERRA ROAD
SANTA CLARITA, CA 91390
U.S.A.

Name and Title of Principal Officer:
GABRIELLA SKOLLAR - DIRECTOR

Authority: Statutes and Regulations: 16 USC 1533 (d), 16 USC 1539 (a); 50 CFR 17.21 (g).

Location where authorized activity may be conducted:
WITHIN THE UNITED STATES

Reporting requirements:

Annual report due: 03/31. See "Special Conditions for Captive-Bred Wildlife Registrations". Submit annual report to Permits@fws.gov (reference PRT no. in subject line).

In addition, permittee must report annually on the genetic management of the animals bred at her facility, as well as through loans and exchanges with other facilities. The report must include: 1) a description of pairings for each specimen owned or possessed by the permittee; 2) any and all births and deaths of offspring and their lineage; 3) planned pairings for any offspring produced; and 4) if the aforementioned activities are conducted through an established breeding program, the goals and methods of the program and documentation showing your instituion's active

Authorizations and Conditions:

A. Authorized to take for normal husbandry practices; deliver, receive, carry, transport or ship in interstate commerce, for the purpose of enhancement of propagation, any **silvery Javan gibbon** (*Hylobates moloch*), **pileated gibbon** (*Hylobates pileatus*), **northern white-cheeked gibbon** (*Nomascus leucogenys*), and **siamang** (*Symphalangus syndactylus*) that is bred in captivity in the United States.

B. 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 accordance 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.

C. The validity of this permit is also conditioned upon strict observance of all applicable foreign, state, local, tribal, or other federal law. **This permit can be photocopied.**

D. Valid for use by permittee named above.

E. 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).

2018 International studbook of the Javan (Silvery) Gibbon

Hylobates moloch

Photo courtesy Perth Zoo

Prepared by Holly Thompson, International Studbook keeper, Perth Zoo.
holly.thompson@dbca.wa.gov.au

INTERNATIONAL STUDBOOK

ZOO AQUARIUM ASSOCIATION

World Association of Zoos and Aquariums | WAZA
United for Conservation

Perth Zoo
SAVING WILDLIFE

2018 studbook of the Javan gibbon

Acknowledgments

My sincere gratitude to the reporting institutions, personal contacts and regional coordinators.

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Pristi Nurantika and Anton Ario
Javan Gibbon Centre

Daniel Noble
Perth Zoo

Beth Richardson
Gibbon SSP Coordinator: Disney's Animal Kingdom

Gabriella Skollar
Director: Gibbon Conservation Centre

A sincere thank you to Laurie Bingaman Lackey (WAZA ISB advisor) for her ongoing support

TABLE OF CONTENTS

Cover art: this photo was taken in 2010 at Perth Zoo. From left to right; Nakula (now living at the Isle of Man), Hecla (deceased) holding Sunda (Perth Zoo) and Jury (deceased). This photo is a very good example of a breeding pair from the founders of the population along with their offspring.

Javan gibbon information

Status in wild

Like all 19 gibbon species, the Javan gibbon is under serious threat from the destruction of habitat and the illegal pet trade. Found only in the west and part of central Java in highly fragmented habitat, recent surveys suggest there are fewer than 2,300 individuals remaining in up to 60 pockets of fragmented habitat. Many of these areas have little or no protection from habitat degradation or poaching and the Javan gibbon now appears to be one of the taxa most threatened with extinction, i.e. with one of the most restricted and threatened ranges. The Javan gibbon wild population is relatively small and it is likely that suitable areas will be available for reintroduction. Whilst the priority for animals housed within rehabilitation centres should always be that these animals be reintroduced into the wild there should also be some recognition that not all of these animals will achieve suitable levels of rehabilitation and in some cases animals born and raised in captivity may be more suitable for reintroduction. Individuals that are not suitable for release could potentially (legislation permitting) then be used to bolster the captive population.

This species has been housed in zoos since the 1950s; these gibbons were often housed as singletons. At least 30 wild caught Javan gibbons have been obtained by zoos. Breeding success has been reported since the 1970s. Today's population can be traced to various ancestors including those wild caught gibbons obtained by Winnipeg Zoo, Munich Zoo and Howletts Zoo.

History in captivity

Australasian region: Perth Zoo has housed Javan gibbon since 1975 and held the first founders for the ASMP region.

In 1992 a new pair for the region was acquired with a female from Canada and male from Berlin. They went on to breed 10 times and their offspring were transferred around the world, one of which was released to the wild.

European region: Javan gibbons have been recorded in Europe from the early 1950s-60s, ultimately these animals could have been either hybrids or other species as the details are very vague, zoos such as Berlin and Bristol are recorded having them in the 1950s but they were mainly single individuals or never bred. To track the start of the population you have to look towards the mid-1970s. A wild pair of pure Javan gibbons arrived in Winnipeg, this pair then produced several offspring. Munich also acquired a wild pair in the late 1970's. Howletts first Javan gibbons arrived in 1984 which were wild caught individuals, breeding took place but no successful offspring. A pair was established in 1984 and produced the first live baby, this pair went on to be a successful breeding pair. In 1989 a female bred at Winnipeg and was paired with a wild caught male. This pair started to breed and became the most successful breeding pair at the time. More imports have taken place up until 2007 where importing wild caught individuals from Java stopped. The two breeding pairs set up in 1984 and 1989 became the two founding lines for the EEP and apart from wild caught founders brought in after this date many of the population can be traced back to these pairs. All of the individuals classed as 'wild' would have been caught specifically for zoos especially in the 1950s-1960s. Tracking the individuals arriving in the 1980s-1990s were confiscated animals from pet trafficking and were taken from either rescue centres or zoos.

North American population: is comprised of individuals bred in Java and wild caught, Australasia and the European region.

Wild background: There is not a huge amount of info on where the gibbons were acquired from when they were in Java, mainly they were classed as coming from Jakarta, so an assumption is that they were from Ragunan Zoo in Jakarta. The gibbons transferred to Howletts in the 90s and 2007 were from Ragunan Zoo and were confiscated gibbons. Looking back at the studbook 30 wild caught individuals have been added to the EEP population since 1950. Out of these only around 10 have bred or had stillborn offspring.

Behavioural and reproductive management

Javan gibbon females become sexually mature and start menstruating around 6-7 years of age and at this time will disperse from the natal group. Some individuals can stay in the natal group for longer depending on the adult female. Institutions are encouraged to check for signs of menstruation and check urine of young females to track cycles. To prolong a female in the natal group, for management reasons while an institution is being sourced for housing, it is encouraged to put the female on the contraceptive pill and skip the inactive pills, so the female doesn't menstruate.

Even though the female is classed as sexually mature successful breeding does not usually occur until 10+ years.

A hostile dynamic is to be expected with multiple offspring in a natal group especially towards the eldest offspring. Aggression amongst gibbons is to be expected and the Minimum Intervention Strategy should be adopted. The eldest offspring will be pushed to the outer of the group and a feeding strategy should be in place, so they get enough food however not at the detriment to the social dynamic. Similar to male gibbons the eldest gibbon on the 'outer' of the group will get the least food. Generally female gibbons are dominant, then their offspring followed by the adult male. Often the triggering of an eviction is when both the dam and sire evict the eldest offspring.

Male gibbons are sexually mature around 7+ years and can stay in the natal group till 9 depending on the dynamics and the individual gibbon. They will generally become more reclusive and seek comfort from the adult male who generally tolerates them.

Reproductive cycle: menstruate monthly. Visible blood generally evident however breeding females prone not to bleed too obviously and testing urine with hemastix is encouraged to assess cycle. Gestation is 210 days

Social structure: bonded adult pair with up to 4 offspring

Mating behaviour: generally, to achieve an outcome to get the female pregnant however they will still mate when the female is on the contraceptive pill and while she still has a weaning offspring. Each pair is different

Litter/clutch size: One infant born (twins do occur however have generally not survived)

Veterinary and health management

There were two areas to focus on for this species:

Contraception

Refer to the AZA Wildlife Contraception Centre website (https://www.stlzoo.org/animals/scienceresearch/reproductivemanagementcenter/aza-contraception-program/) for generic information on contraceptive options for gibbons including contraindications, advantages and disadvantages of various methods.

The oral contraceptive pill has been used effectively in gibbons to lengthen birth intervals, prevent breeding and allow female offspring to stay in the natal group for longer prior to eviction. At Perth Zoo this method of contraception has been used successfully for over 15 years and is preferred over the use of contraceptive implants in gibbons. Perth Zoo uses Microgynon 3D which contains 30mcg ethinyloestradiol and 150mcg levonorgestrel. After approx. a month or two females have started cycling as normal. Perth Zoo has not experienced any unplanned pregnancies with gibbons on microgynon 3D.

Hepatitis B virus

Hepatitis B virus (HBV) has been described in a number of nonhuman primate species including many gibbon species. Sequencing of the viruses has proven them to be of primate origin with

genetically distinct genotypes found in gibbons, orangutans, gorillas and chimpanzees. The gibbon-specific Hepatitis B Virus genotype, designated GiHBV, has been demonstrated in both wild and captive populations of gibbons. These primate-specific strains are thought to have separated from the human strain more than 6,000 years ago, perhaps even 20 million years, and thus do not represent a recent transmission from humans. To date, transmission between humans and gibbons has not been documented. Despite this, it is recommended that staff working with HBV positive gibbons are vaccinated for HBV.

Testing to date of the captive Javan Gibbon population suggests a significant prevalence of the disease, with more than 50% of gibbons in both western and Indonesian zoos shown to be GiHBV positive. Similar percentages have been seen in rehabilitation centres in Java, and early data suggests that there is probably a similarly high prevalence in wild populations. Despite this high level of infection, there have been no documented cases of disease caused by in gibbons to date. The oldest living Javan gibbon in captivity was a carrier of GiHBV and died of other causes at the age of 50 years, which is significantly longer than the expected lifespan of wild and captive gibbons.

It is recommended that all captive Javan Gibbons be tested for HBV to establish a true prevalence of the disease in the population. Testing performed at many human laboratories using standard HBV serological tests will confirm the presence or absence of the virus and determine the carrier status of the gibbon. Due to the high level of maternal transmission of the virus, breeding from HBV negative female gibbons would go a long way to reducing the prevalence of the disease. Similarly, prevalence can be reduced within the captive population by strategic vaccination of gibbons, particularly offspring born to HBV positive mothers, however the benefit needs to be weighed up against the risks of intervention at such an early age. Perth Zoo have successfully vaccinated gibbons however vaccination of a further number of gibbons failed to provide immunity.

For more extensive information about the disease, please refer to *perthzoo.wa.gov.au/wp-content/uploads/2011/06/**HBV**irus-**Gibbons**.pdf for a comprehensive study of the disease in Javan gibbons. Ongoing research into this virus in gibbons means that our understanding of the virus continues to evolve, and recent journal articles should also be consulted.*

Hand raising

Hand rearing of gibbons is not recommended unless in extreme circumstances.

Historically Javan gibbons are good mothers and even as first-time mothers generally nurse and adapt well to newborn infants. Gibbons are notorious for having mothering ‘issues’ with their first born and institutions should allow nature to take its course in the hope gibbons learn from the experience and mother successfully the second time round.

The hand raising of gibbons should only occur in situations where the infant can be reintegrated with the dam and in exceptional circumstances with other gibbons of the same species. If the latter, institutions should have prior experience in this scenario and be confident the other gibbons will accept the infant. It should be done prior to the infant being 6 months of age in either case and 4 months is ideal.

Circumstances when hand raising may be required: Perth Zoo’s proven breeding female did not produce enough milk. Perth Zoo staff had hand raised 3 white-cheeked gibbons previously with success. There were also 3 offspring in the natal group on this occasion so there were options for

reintegration if the dam did not accept the infant. This was not of concern and the infant was successfully reintegrated at 6 months of age with the female and offspring.

European region: Within the European population there has been little need to consider hand rearing, the founding pairs and their resulting offspring have proven to be very good parents even first time mothers, the EEP will never intervene with hand rearing unless exceptional circumstance happen, hand reared individuals from other primate species can show behavioural and physiological issues, this can cause a poor quality of life in the future. The only experience with hand rearing was when 4 wild caught individuals from the pet trade were transferred to Howletts in 2007. The 2 adult males were in very good condition but the 2 females both came with abnormalities. One had a curved spine that made her have a very small body appearance and the other had a very small pelvic gap which meant that she couldn't give birth naturally. The result of this meant that the females required caesareans, this resulted in over a 5-year period 3 caesareans on the female with the curved spine and 2 on the female with the small pelvis. Due to the female not having the physical sensation and rush of hormones due to a natural birth all of these 5 offspring were rejected by the mums and the decision was made due to their high genetic value to hand raise them. The issue that happened at Howletts is that all infants were carriers of herpes and the virus meant that 4 of the 5 infants did not live past 30 days. One male however managed to survive; he was reared in an enclosure alongside his parents so that he could still see conspecifics. When he reached 6 months of age, he was introduced to his mother who became aggressive. He was removed for his safety and then introduced to a 6-year-old female that was expelled from her natal group. The two stayed together interacting until she was transferred to a breeding situation. The socialising early on helped the male understand how to be a gibbon, he is now in with a female and is showing all the signs that he will breed with her in the future.

North American region: successful hand raising has taken place at Greensboro Zoo in consult with the Species Coordinator, Holly Thompson offering advice. The individual was successfully reintegrated, and the pair have bred and successfully raised a second offspring.

Population Management

The strategy for the Javan gibbon program has always been for the ASMP, EEP and AZA regions to work together. Unfortunately, the program was not approved as a GSMP by all regions however the management of this species continues to be managed in a way that encompasses all regions' requirements. This is important due to the small size of the population and limited number of zoos involved.

Outside of Indonesia, the current population of *Hylobates moloch* consists within two zoos in Australasia (ASMP), three zoos in the North American region (AZA-SSP) and 8 zoos in the European Region (EAZA-EEP). Two Indonesian rehabilitation and release centres are also included in some of the analysis for the population however not the global management of the species at this time. In 2017 the Species Coordinator established a Javan Gibbon Management Committee that comprises stakeholders from all regions including Indonesia.

In 2017 the ASMP Javan Gibbon Captive Management Plan and Cooperative Conservation Plan were approved with Singapore Zoo joining the ASMP program.

The population and studbook are managed at the international level. The Species Coordinator is approved by the WAZA Population Management Committee to produce the international studbook for this species.

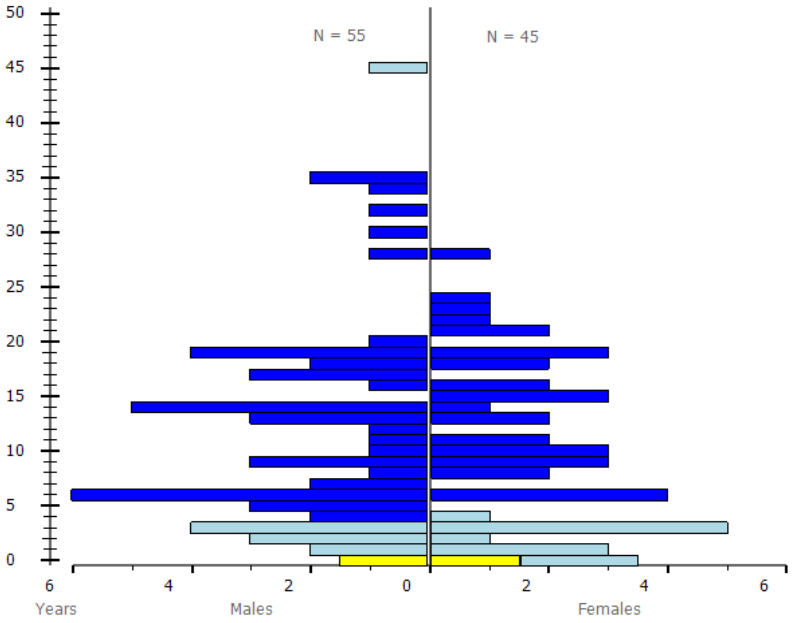
The program experiences difficulties due to limited holders, lack of transfer success between regions and institutions continuing to breed overrepresented individuals with no future opportunities identified for surplus offspring. Howletts has sent 5 gibbons to Java and will continue to send more. Due to the current status of the program, the Gibbon Conservation Centre is also looking into this as an option.

To confidently send Javan gibbons to the wild, a population viability analysis is required along with a review of release program success and habitat surveys. The Javan gibbon population within Indonesia is experiencing an extreme spike in illegal trafficking of young individuals. Experts are working on this issue which is of great concern.

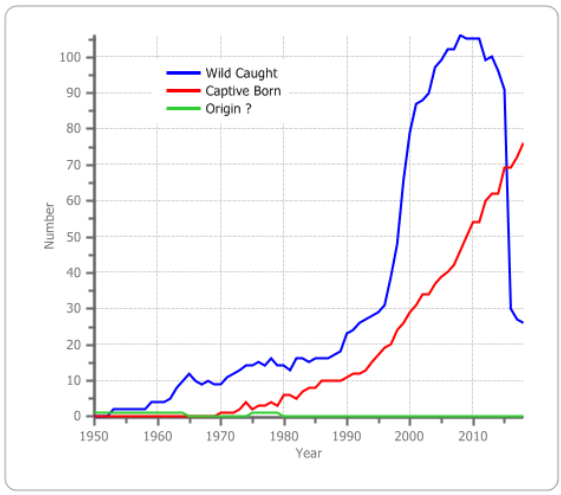
2018 Births, transfers and deaths

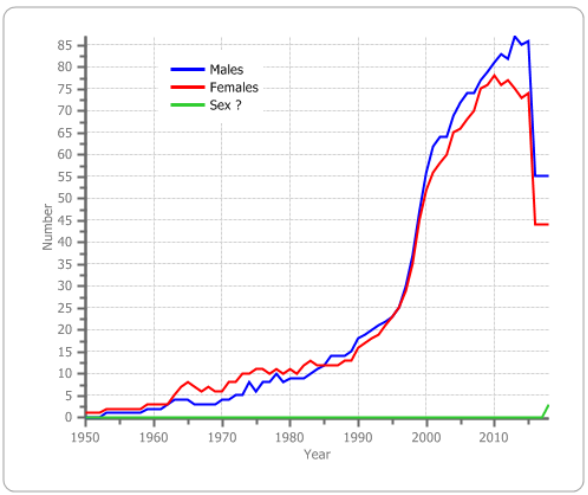
- Five births: Howletts, Bogor, Mogo, Port Lympne, Chester
- One transfer: Belfast to Perth Zoo
- Two deaths: Perth Zoo and Bogor

Age Distribution as at 31 Dec 2018



Census 1950 - 2018





The large drop in the census graph is due to posting 32.30 (62) animals as lost-to-followup in June 2016 at BANDUNG BOGOR JAKARTA SCHMUTZER SURABAJA

Studbook Legend

Stud#: Animal's permanent studbook number. Studbook numbers may not always be assigned chronologically, due to animals being recorded as they become known to the Studbook Keeper.

Sex: M for male, m for castrated male, F for female, cont if contracepted, neut if neutered, U for unknown sex

Birth Date: Animal's birth date. A tilde mark, '~', before a date indicates that it is approximate. '??' indicates that the date is unknown.

Sire and Dam: Studbook numbers for the animal's sire and dam. 'UNK' if unknown. 'MULT' if several candidates have been identified. 'WILD' if the sire or dam was considered to be wildcaught - this animal is a founder.

Location: The institution holding the animal at the time. If the animal is no longer traceable by the Studbook Keeper, 'ltf' (lost-to-followup) will appear to the right of the last known location.

Date: The date on which the event occurred. A tilde mark, '~', before a date indicates that it is approximate. '??' indicates that the date is unknown.

Local ID: The identification assigned by the specimen's location, often its ISIS number, house number, or occasionally house name.

Event: Capture, Birth, Transfer, Loan, Ownership change, Death or Release

Identifiers: House Name

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
Muenchener Tierpark Hellabrunn, Muenchen, Germany									
41	M	5 Jul 1988	7	8	MUNICH	5 Jul 1988	O23004	Birth	PABLO
55	F	26 Jan 1997	33	25	BEKESBRNE	26 Jan 1997	H97005	Birth	PANGRANGO
					WINNIPEG	26 Jan 1997	D00406	Ownership	
					MUNICH	17 Feb 2004	O23008	Loan to	
272	F	19 Aug 2012	41	55	MUNICH	19 Aug 2012	O23018	Birth	Mia
286	F	27 Sep 2014	41	55	MUNICH	27 Sep 2014	O23019	Birth	
312	F	17 Oct 2016	41	55	MUNICH	17 Oct 2016	O23020	Birth	Quirina
Totals: 1.4.0 (5)									
Zoologicka Garden & Chateau Zlin-Lesna, Zlin-Lesna, Czech Republic									
144	M	14 Jul 2007	48	50	BEKESBRNE	14 Jul 2007	H20759	Birth	PEUCANG
					LESNA-GOT	14 Nov 2014	_____	Transfer	
251	F	10 May 2008	41	55	MUNICH	10 May 2008	O23010	Birth	INDAH
					LESNA-GOT	26 Nov 2014	_____	Transfer	
Totals: 1.1.0 (2)									
Zoological Garden Prague, Praha, Czech Republic									
133	F	4 Jan 2005	48	50	BEKESBRNE	4 Jan 2005	0	Birth	ALANGALANG
					PRAHA	14 Nov 2014	_____	Transfer	
139	M	23 Jun 2005	41	55	MUNICH	23 Jun 2005	0	Birth	FLIP
					PRAHA	26 Nov 2014	_____	Transfer	
290	M	29 Jul 2015	139	133	PRAHA	29 Jul 2015	150271	Birth	
Totals: 2.1.0 (3)									

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
North of England Zoological Society, Upton-by-Chester, England, United Kingdom									
145	M	~1999 +/-1yr	WILD	WILD	SCHMUTZER	1 Aug 2004	S20421	Transfer	ALVEN
					BEKESBRNE	15 Nov 2007	H20793	Loan to	
						30 Dec 2015	NONE	Transfer	
					CHESTER	30 Dec 2015	C1603	Transfer	
147	F	25 Jan 2008	45	64	BEKESBRNE	25 Jan 2008	_____	Birth	TILU
					CHESTER	30 Dec 2015	C1602	Transfer	
296	M	10 Jan 2016	145	147	CHESTER	10 Jan 2016	C1608	Birth	Eko
315	F	16 Dec 2017	145	147	CHESTER	16 Dec 2017	C17107	Birth	
Totals: 2.2.0 (4)									
Howletts Wild Animal Park, Hythe Kent, England, United Kingdom									
45	M	26 Nov 1990	28	29	BEKESBRNE	26 Nov 1990	H90046	Birth	IWOK
					LYMPNE	9 May 2002	P22015	Transfer	
					BEKESBRNE	17 Nov 2006	H90046	Transfer	
54	F	12 Jun 1996	38	40	BEKESBRNE	12 Jun 1996	H96044	Birth	SALAK
63	M	28 Sep 1999	34	46	BEKESBRNE	28 Sep 1999	H99050	Birth	ANAK
64	F	9 Apr 1999	33	25	BEKESBRNE	9 Apr 1999	H99013	Birth	REGGAT
70	M	19 Feb 2001	33	25	BEKESBRNE	19 Feb 2001	H20105	Birth	CISOLOK
					LA PLAINE	6 May 2006	SF0037	Loan to	
					BEKESBRNE	~11 Nov 2010	H20105	Transfer	
84	F	1 Mar 2004	34	46	BEKESBRNE	1 Mar 2004	H20406	Birth	SARASWATI
						~ Jan 2015	H20406	Transfer	
121	M	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	ALDO
					SCHMUTZER	1 Aug 2004	S20420	Transfer	
					BEKESBRNE	15 Nov 2007	H20791	Loan to	
122	F	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	CECEP
					SCHMUTZER	1 Aug 2004	S20419	Transfer	
					BEKESBRNE	15 Nov 2007	H20792	Loan to	

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
123	F	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	MISS
					SCHMUTZER	1 Aug 2004	S20422	Transfer	
					BEKESBRNE	15 Nov 2007	H20794	Loan to	
132	M	21 Dec 2004	33	25	BEKESBRNE	21 Dec 2004	H20455	Birth	WAYANG
					WINNIPEG	21 Dec 2004	F00107	Ownership	
					BELFAST	26 Jun 2006	5593	Loan to	
					BEKESBRNE	2 Jul 2015	H20455	Transfer	
277	F	11 Dec 2012	63	54	BEKESBRNE	11 Dec 2012	H21253	Birth	Lya
278	M	17 Dec 2012	121	122	BEKESBRNE	17 Dec 2012	H21255	Birth	Sigit
283	M	7 Apr 2013	45	64	BEKESBRNE	7 Apr 2013	H21279	Birth	Padang
284	M	22 Nov 2014	121	84	BEKESBRNE	22 Nov 2014	H21369	Birth	Made
289	M	29 Jun 2015	45	64	BEKESBRNE	29 Jun 2015	H21400	Birth	Bogel
297	M	3 Feb 2016	63	54	BEKESBRNE	3 Feb 2016	H21445	Birth	Opak

Totals: 10.6.0 (16)

Port Lympne Wild Animal Park, Hythe Kent, England, United Kingdom

34	M	24 Jul 1984	7	8	MUNICH	24 Jul 1984	O23003	Birth	LUPAU
					BEKESBRNE	14 May 1991	H91039	Loan to	
					LYMPNE	4 Jan 2007	P20703	Loan to	
124	M	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	GALIH
					SCHMUTZER	1 Aug 2004	S20423	Transfer	
					BEKESBRNE	15 Nov 2007	H20790	Loan to	
					LYMPNE	~ 9 Nov 2010	P20172	Transfer	
141	M	27 Feb 2006	34	46	BEKESBRNE	27 Feb 2006	H20608	Birth	GAPAK
					LYMPNE	4 Jan 2007	P20707	Transfer	

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
142	F	11 Mar 2007	33	25	BELFAST	11 Mar 2007	5662	Birth	BELLE
					WINNIPEG	11 Mar 2007	E00698	Ownership	
					BEKESBRNE	6 Feb 2013	921297	Transfer	
					LYMPNE	~ Jan 2014	921297	Transfer	
146	F	26 May 2008	36	32	PERTH	26 May 2008	A80224	Birth	CAHAYA
					LYMPNE	25 Mar 2015	_____	Transfer	
252	F	19 Jun 2009	34	46	LYMPNE	19 Jun 2009	P20938	Birth	Baru
313	F	20 Dec 2015	141	142	LYMPNE	20 Dec 2015	P21561	Birth	Satu
314	F	30 Jan 2017	34	146	LYMPNE	30 Jan 2017	P21666	Birth	Tilu

Totals: 3.5.0 (8)

Curraghs Wildlife Park, Isle of Man, Insular Europe, EUROPEAN REGION

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
137	M	30 May 2005	36	32	PERTH	30 May 2005	A50279	Birth	NAKULA
					BEKESBRNE	25 Mar 2015	H21386	Transfer	
					BALLAUGH	1 Jun 2016	_____	Transfer	
143	F	27 Apr 2007	63	54	BEKESBRNE	27 Apr 2007	H20735	Birth	SLAMET
					BALLAUGH	1 Jun 2016	_____	Transfer	
311	M	19 Aug 2017	137	143	BALLAUGH	19 Aug 2017	M0817	Birth	Ffinlo

Totals: 2.1.0 (3)

City of Belfast Zoo, Belfast, N Ireland, United Kingdom

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
38	M	~ 1987	WILD	WILD	JAVA	~ 1987	NONE	Capture	HILO
					JAKARTA	~ 1988	NONE	Transfer	
					BEKESBRNE	29 Jul 1992	H92050	Transfer	
					BELFAST	~ Jan 2015	10126	Transfer	
259	F	29 Jun 2010	41	55	MUNICH	29 Jun 2010	023016	Birth	Kim
					BELFAST	~ Jan 2015	10140	Transfer	

Totals: 1.1.0 (2)

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Gibbon Conservation Center (GCC), Santa Clarita, California, USA

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
16	M	~ 1974	WILD	WILD	JAVA	~ 1974	NONE	Capture	Ivan
					ZOO OBJED	~ 1976	NONE	Transfer	
					MOSCOW	27 Jul 1976	A00526	Transfer	
					BERLINZOO	23 Feb 1983	830025	Loan to	
					GIBSBIRDS	21 Mar 1996	HMO808	Loan to	
						16 Apr 1999	HMO808	Transfer	
31	M	18 May 1983	14	13	PERTH	18 May 1983	830042	Birth	SHELBY
					GIBSBIRDS	16 Jun 1993	HMO804	Transfer	
43	F	24 Feb 1990	2	1	WINNIPEG	24 Feb 1990	910114	Birth	CHLOE
					GIBSBIRDS	25 Feb 1995	HMO803	Loan to	
52	F	13 Jan 1995	36	32	PERTH	13 Jan 1995	950005	Birth	KHUSUS
					WINNIPEG	13 Jan 1995	971279	Ownership	
					GIBSBIRDS	10 Oct 1999	HMO805	Transfer	
65	F	23 May 2000	28	29	BEKESBRNE	23 May 2000	H20023	Birth	SIMPANG
					GIBSBIRDS	20 Oct 2009	HMO807	Loan to	
71	M	16 Nov 2001	34	46	BEKESBRNE	16 Nov 2001	H20133	Birth	PERAK
					LYMPNE	4 Jan 2007	P20705	Loan to	
					GIBSBIRDS	20 Oct 2009	HMO810	Transfer	
72	M	29 Jan 2000	31	43	GIBSBIRDS	29 Jan 2000	HMO896	Birth	REG
					WINNIPEG	29 Jan 2000	A00352	Ownership	
					GIBSBIRDS	29 Jan 2000	HM0896	Transfer	
74	M	27 Feb 2002	18	52	GIBSBIRDS	27 Feb 2002	HMO892	Birth	Medina
257	F	5 Jun 2009	31	52	GIBSBIRDS	5 Jun 2009	HMO897	Birth	OULA
267	M	25 Aug 2011	31	52	GIBSBIRDS	25 Aug 2011	HMO886	Birth	WINSTON
268	M	15 Oct 2011	71	65	GIBSBIRDS	15 Oct 2011	HERCUL	Birth	Hercules
269	M	16 Apr 2012	74	43	GIBSBIRDS	16 Apr 2012	HMO882	Birth	Goliath

Totals: 8.4.0 (12)

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
Fort Wayne Children's Zoological Garden, Fort Wayne, Indiana, USA									
73	M	6 Nov 2001	31	43	GIBSBIRDS	6 Nov 2001	HMO894	Birth	LIONEL
					MUNICH	19 Dec 2008	O23013	Ownership	
					FT WAYNE	16 Mar 2010	98273	Loan to	
83	F	7 Aug 2002	33	25	BEKESBRNE	7 Aug 2002	H20224	Birth	DIENG
					WINNIPEG	7 Aug 2002	E00697	Ownership	
					BELFAST	26 Jun 2006	5592	Loan to	
					GIBSBIRDS	5 Feb 2010	NONE	Loan to	
					FT WAYNE	16 Mar 2010	98274	Loan to	
287	M	16 Apr 2013	73	83	FT WAYNE	16 Apr 2013	98631	Birth	Kado
291	F	16 Aug 2015	73	83	FT WAYNE	16 Aug 2015	98839	Birth	
Totals: 2.2.0 (4)									
Natural Science Center of Greensboro, Greensboro, North Carolina, USA									
81	F	28 Aug 2003	31	43	GIBSBIRDS	28 Aug 2003	HMO899	Birth	ISABELLA
					WINNIPEG	28 Aug 2003	D01163	Ownership	
					GREEN NSC	23 May 2012	120302	Loan to	
82	M	5 Jun 2004	18	52	GIBSBIRDS	5 Jun 2004	HM0890	Birth	LEON
					GREEN NSC	23 May 2012	120301	Loan to	
					GIBSBIRDS	23 May 2012	_____	Ownership	
279	M	29 Apr 2013	82	81	GREEN NSC	29 Apr 2013	201340	Birth	Duke
					WINNIPEG	29 Apr 2013	201340	Ownership	
					GREEN NSC	29 Apr 2013	201340	Transfer	
292	F	11 Jul 2015	82	81	GREEN NSC	11 Jul 2015	0	Birth	Lela
Totals: 2.2.0 (4)									

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
JAVA, INDONESIA, Malay Arch, ASIAN REGION - **reintroduced to the wild**									
50	F	13 Jan 1994	33	25	BEKESBRNE	13 Jan 1994	H94000	Birth	KULON
					WINNIPEG	13 Jan 1994	001490	Ownership	
					JAVA	21 Dec 2017	_____	Transfer	
254	M	6 Oct 2009	48	50	BEKESBRNE	6 Oct 2009	H20956	Birth	Payung
					JAVA	21 Dec 2017	_____	Transfer	
255	M	20 Oct 2009	63	54	BEKESBRNE	20 Oct 2009	H20962	Birth	Hirup
					JAVA	21 Dec 2017	_____	Transfer	
256	M	21 Mar 2010	45	64	BEKESBRNE	21 Mar 2010	H21015	Birth	Dwi
					JAVA	21 Dec 2017	_____	Transfer	
270	M	20 Mar 2012	48	50	BEKESBRNE	20 Mar 2012	H21211	Birth	PATUHA
					JAVA	21 Dec 2017	_____	Transfer	
295	F	6 Dec 2015	254	50	BEKESBRNE	6 Dec 2015	H21439	Birth	Putri
					JAVA	21 Dec 2017	_____	Transfer	
Totals: 4.2.0 (6)									
Javan Gibbon Center, Cigombong Lido Bogor, Jawa-Barat, Indonesia									
204	F	~ 1998	WILD	WILD	JAVA	~ 1998	NONE	Capture	UU
					BOGOR JGC	~ 2007	NONE	Transfer	
213	M	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	NAKULA
					BOGOR JGC	13 Apr 2008	NONE	Transfer	
215	F	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	DOMPU
					BOGOR JGC	13 Apr 2008	NONE	Transfer	
219	F	~ 2001	WILD	WILD	JAVA	~ 2001	NONE	Capture	CUPLIS
					BOGOR JGC	4 Apr 2008	NONE	Transfer	
221	F	~ 2004	WILD	WILD	JAVA	~ 2004	NONE	Capture	SASA
					BOGOR JGC	13 Apr 2008	NONE	Transfer	

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
222	M	~ Jan 2007	WILD	WILD	JAVA	~ Jan 2007	NONE	Capture	SAAR
					BOGOR JGC	19 Jun 2008	NONE	Transfer	
233	M	29 Jul 2008	231	232	CIKANANGA	29 Jul 2008	NONE	Birth	Wili
					BOGOR JGC	26 Mar 2009	NONE	Transfer	
263	M	~ 2002	WILD	WILD	JAVA	~ 2002	NONE	Capture	ASEP
					BOGOR JGC	~23 Apr 2010	NONE	Transfer	
264	F	~ 2004	WILD	WILD	JAVA	~ 2004	NONE	Capture	GALAGAH
					BOGOR JGC	~29 Jun 2010	NONE	Transfer	
265	F	~ 2004	WILD	WILD	JAVA	~ 2004	NONE	Capture	CIKA
					BOGOR JGC	~ 7 Jul 2010	NONE	Transfer	
266	F	~ 2006	WILD	WILD	JAVA	~ 2006	NONE	Capture	JOLY
					BOGOR JGC	~ 7 Jul 2010	NONE	Transfer	

Totals: 4.7.0 (11)

Mogo Zoo P/L, Mogo, New South Wales, Australia

66	M	24 Nov 2000	36	32	PERTH	24 Nov 2000	A00646	Birth	ARJUNA
					MOGO	20 Oct 2008	A80018	Transfer	
75	F	14 Apr 2002	48	50	BEKESBRNE	14 Apr 2002	H20205	Birth	LAYAR
					WINNIPEG	14 Apr 2002	D00512	Ownership	
					PERTH	18 Sep 2008	A80283	Loan to	
					MOGO	20 Oct 2008	A80017	Loan to	
237	F	6 Sep 2009	66	75	MOGO	6 Sep 2009	A90020	Birth	CINTA
271	M	7 May 2012	66	75	MOGO	7 May 2012	B20015	Birth	PATOOT
274	M	2 May 2015	66	75	MOGO	2 May 2015	_____	Birth	
316	?	19 May 2018	66	75	MOGO	19 May 2018	B80003	Birth	

Totals: 3.2.1 (6)

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Status: Living on 31 Dec 2018
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
Perth Zoological Gardens, South Perth, WA, Australia									
33	M	~ 1984	WILD	WILD	JAVA	~ 1984	NONE	Capture	OMAR
					JAKARTA	~ 1985	NONE	Transfer	
					BEKESBRNE	7 Jan 1987	H87042	Transfer	
					BELFAST	26 Jun 2006	5590	Loan to	
					PERTH	16 Nov 2018	B80221	Transfer	
258	F	12 Jul 2010	36	32	PERTH	12 Jul 2010	B00238	Birth	Sunda
280	M	20 Jun 2014	36	32	PERTH	20 Jun 2014	B40180	Birth	Owa

Totals: 2.1.0 (3)

TOTALS: 47.41.1 (89)
14 Institutions

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Historic data
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
1	F	~ 1959	WILD	WILD	JAVA	~ 1959	NONE	Capture	BOBBIE-JEAN
					ZEEHANDLR	~ Sep 1964	_____	Transfer	
					TILBURG	~ Sep 1964	_____	Transfer	
					WINNIPEG	14 Sep 1964	6097	Transfer	
						3 Dec 2007		Death	
			[Death by: Unknown means]						
2	M	~ 1959	WILD	WILD	JAVA	~ 1959	NONE	Capture	BILLY J
					ZEEHANDLR	~ Oct 1967	_____	Transfer	
					TILBURG	~ Oct 1967	_____	Transfer	
					WINNIPEG	14 Oct 1967	6096	Transfer	
						6 Apr 1995		Death	
			[Death by: Infection associated _ Bury _ Generalized _ Metabolism]						
3	M	~ 1963	WILD	WILD	JAVA	~ 1963	NONE	Capture	3
					TILBURG	~ Sep 1964	_____	Transfer	
					ZEEHANDLR	~ Sep 1964	_____	Transfer	
					WINNIPEG	14 Sep 1964	001571	Transfer	
						30 Mar 1966		Death	
			[Death by: Other/Unknown _ Bury _ Unknown (after necropsy)]						
4	F	~ 1963	WILD	WILD	JAVA	~ 1963	NONE	Capture	4
					ZEEHANDLR	12 Sep 1964	NONE	Transfer	
					TILBURG	~ Sep 1964	_____	Transfer	
					WINNIPEG	14 Sep 1964	001572	Transfer	
						12 Jun 1967		Death	
			[Death by: Unknown means]						
5	F	~ 1964	WILD	WILD	JAVA	~ 1964	NONE	Capture	PAULA
					PRIVATE	~ 1965	_____	Transfer	
					BERLINZOO	3 Mar 1967	670014	Transfer	
						11 May 1993		Death	
		[Death by: Infection associated _ Given to an institution: _ Digestive _ Bacterial]							
6	F	~ 1963	WILD	WILD	JAVA	~ 1964	NONE	Capture	BARBARA
					TILBURG	~ Sep 1964	_____	Transfer	
					WINNIPEG	14 Sep 1964	001570	Transfer	
					WELLINGTN	28 Feb 1970	700008	Transfer	
						~ 1979		Death	
			[Death by: Unknown means]						

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Historic data
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
7	M	~ 1976	WILD	WILD	JAVA	~ 1976	NONE	Capture	PAUL
					MUNICH	13 Jan 1982	023001	Transfer	
					BEKESBRNE	30 May 2002	H20213	Transfer	
						26 Dec 2002		Death	
		[Death by: Unknown means]							
8	F	~ 1965	WILD	WILD	JAVA	~ 1965	NONE	Capture	LUDMILLA
					JAKARTA	~ 1977	NONE	Transfer	
					MUNICH	13 Jan 1982	023002	Transfer	
						19 Dec 1991		Death	
		[Death by: Other/Unknown _ Unknown _ Reproductive _ Trauma]							
9	F	3 Mar 1966	3	1	WINNIPEG	3 Mar 1966	001573	Birth	5
						3 Mar 1966		Death	
		[Death by: Stillbirth _ Bury _ Unknown (after necropsy)]							
10	M	28 Jul 1968	2	6	WINNIPEG	28 Jul 1968	001566	Birth	7
						30 Jul 1968		Death	
		[Death by: Other/Unknown _ Bury _ Unknown (after necropsy)]							
11	F	9 Aug 1969	2	6	WINNIPEG	9 Aug 1969	001567	Birth	8
						9 Aug 1969		Death	
		[Death by: Stillbirth _ Bury _ No necropsy planned]							
12	M	18 Sep 1970	2	1	WINNIPEG	18 Sep 1970	001568	Birth	9
					SCHUITEMA	26 Apr 1973	NONE	Loan to	
						~ 1979		Death	
		[Death by: Unknown means]							
13	F	~ 1971	WILD	WILD	JAVA	~ 1971	NONE	Capture	PERTH 2
					JAKARTA	~ 1975	NONE	Transfer	
					PERTH	7 Oct 1975	750002	Transfer	
						31 Oct 1994		Death	
		[Death by: Infection associated _ Incinerate _ Digestive _ Protozoan]							
14	M	~ 1972	WILD	WILD	JAVA	~ 1972	NONE	Capture	PERTH 1
					JAKARTA	~ 1975	NONE	Transfer	
					PERTH	7 Oct 1975	750003	Transfer	
						19 Dec 1984		Death	
		[Death by: Infection associated _ Unknown _ Unknown (after necropsy) _ Bacterial]							

JAVAN GIBBON Studbook

(*Hylobates moloch*)

Restricted to:
Historic data
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
15	F	4 Oct 1973	2	1	WINNIPEG	4 Oct 1973	6098	Birth	BEBE
					MOSCOW	10 Jun 1987	_____	Transfer	
						12 Apr 1988		Death	
					[Death by: Unknown means]				
16	M	~ 1974	WILD	WILD	JAVA	~ 1974	NONE	Capture	ivan
					ZOO OBJED	~ 1976	NONE	Transfer	
					MOSCOW	27 Jul 1976	A00526	Transfer	
					BERLINZOO	23 Feb 1983	830025	Loan to	
					GIBSBIRDS	21 Mar 1996	HMO808	Loan to	
						16 Apr 1999	HMO808	Transfer	
17	F	~ 1971	WILD	WILD	JAVA	1 Jun 1971	NONE	Capture	LING
					W PALM BE	~ 1972	NONE	Transfer	
					GIBSBIRDS	16 May 1985	HMO801	Transfer	
						21 Nov 1994		Death	
					[Death by: Other/Unknown _ Incinerate _ Generalized _ Trauma]				
18	M	~ 1975	WILD	WILD	JAVA	~ 1975	NONE	Capture	USHKO
					ZOO OBJED	~ 1976	NONE	Transfer	
					MOSCOW	27 Jul 1976	A00527	Transfer	
					GIBSBIRDS	15 Oct 1990	HMO802	Loan to	
						1 Jun 2005		Death	
					[Death by: Unknown means]				
19	M	10 May 1976	2	1	WINNIPEG	10 May 1976	6417	Birth	TOGO
						5 May 1982		Death	
					[Death by: Environ/Behav conditions _ Given to an institution: _ Digestive _ Toxicity]				
20	M	~ 1978	WILD	WILD	JAVA	~ 1978	NONE	Capture	KILLA
					JAKARTA	~ 1979	NONE	Transfer	
					BEKESBRNE	18 Apr 1984	H84032	Transfer	
					LYMPNE	4 May 1985	P85051	Transfer	
						6 Feb 1987		Death	
					[Death by: Infection associated _ Bury _ Generalized _ Viral]				
21	F	~ 1978	WILD	WILD	JAVA	~ 1978	NONE	Capture	
					JAKARTA	~ 1979	NONE	Transfer	
					BEKESBRNE	18 Apr 1984	H84033	Transfer	
						30 Jun 1984		Death	
					[Death by: Injury from exhibit mate _ Unknown _ Generalized _ Toxicity]				

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(*Hylobates moloch*)

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
22	M	12 Dec 1978	UNK	UNK	JAKARTA	12 Dec 1978	281	Birth	F185/1
					PAIGNTON	22 Jul 1986	_____	Ownership	
					RUSHDEN	23 Jul 1986	4584	Loan to	
					PAIGNTON	2 Apr 1987	281	Transfer	
						15 Jan 1988		Death	
			[Death by: Other/Unknown _ Unknown _ Hemic/Lymph _ Toxicity]						
23	M	16 May 1979	2	1	WINNIPEG	16 May 1979	001569	Birth	ANDY
						13 Oct 1979		Death	
			[Death by: Other/Unknown _ Bury _ Unknown (after necropsy)]						
24	F	6 Jun 1980	UNK	UNK	JAKARTA	6 Jun 1980	_____	Birth	F185/2
					PAIGNTON	22 Jul 1986	149	Ownership	
					RUSHDEN	23 Jul 1986	4585	Loan to	
					PAIGNTON	2 Apr 1987	149	Transfer	
						13 Mar 1990		Death	
			[Death by: Infection associated _ Unknown _ Hemic/Lymph _ Bacterial]						
25	F	10 Aug 1980	2	1	WINNIPEG	10 Aug 1980	910111	Birth	JASMINE/ASSI
					BEKESBRNE	7 Sep 1989	H89053	Loan to	
					BELFAST	26 Jun 2006	5591	Loan to	
						31 Oct 2015		Death	
			[Death by: Old age _ Unknown _ Unknown (after necropsy) _ Necropsy not received]						
26	M	6 Nov 1980	14	13	PERTH	6 Nov 1980	800036	Birth	UBAN
						25 Oct 2001		Death	
			[Death by: Infection associated _ Unknown _ Unknown (after necropsy)]						
27	F	~ 1982	WILD	WILD	JAVA	~ 1982	NONE	Capture	MARILYN
					JAKARTA	~ 1983	NONE	Transfer	
					BEKESBRNE	7 Jan 1987	H87043	Transfer	
						22 Jul 1987		Death	
			[Death by: Infection associated _ Unknown _ No necropsy planned]						
28	M	~ 1982	WILD	WILD	JAVA	~ 1982	NONE	Capture	IMRAN
					JAKARTA	~ 1983	_____	Transfer	
					BEKESBRNE	18 Apr 1984	H84031	Transfer	
						~ 2001		Death	
			[Death by: Infection associated _ Unknown _ Unknown (after necropsy)]						

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
29	F	~ 1980	WILD	WILD	JAVA	~ 1982	NONE	Capture	MARLENE
					JAKARTA	~ 1983	NONE	Transfer	
					BEKESBRNE	18 Apr 1984	H84030	Transfer	
						~29 Jul 2012		Death	
		[Death by: Old age _ Unknown _ Unknown (after necropsy)]							
30	M	26 Feb 1982	14	13	PERTH	26 Feb 1982	820032	Birth	
						26 Feb 1982		Death	
		[Death by: Stillbirth _ Unknown _ No necropsy planned]							
31	M	18 May 1983	14	13	PERTH	18 May 1983	830042	Birth	SHELBY
					GIBSBIRDS	16 Jun 1993	HMO804	Transfer	
32	F	21 Jul 1983	2	1	WINNIPEG	21 Jul 1983	910112	Birth	HECLA
					PERTH	11 Aug 1992	920178	Loan to	
						19 Dec 2018		Death	
		[Death by: Euthanasia (medical) _ Incinerate _ Generalized _ New growths/cancer _ Necropsy received]							
33	M	~ 1984	WILD	WILD	JAVA	~ 1984	NONE	Capture	OMAR
					JAKARTA	~ 1985	NONE	Transfer	
					BEKESBRNE	7 Jan 1987	H87042	Transfer	
					BELFAST	26 Jun 2006	5590	Loan to	
					PERTH	16 Nov 2018	B80221	Transfer	
34	M	24 Jul 1984	7	8	MUNICH	24 Jul 1984	023003	Birth	LUPAU
					BEKESBRNE	14 May 1991	H91039	Loan to	
					LYMPNE	4 Jan 2007	P20703	Loan to	
35	F	10 Jun 1986	28	29	BEKESBRNE	10 Jun 1986	H86032	Birth	GOLLUM
						14 Jun 1986		Death	
		[Death by: Injury from exhibit mate _ Unknown _ No necropsy planned]							
36	M	17 Jul 1986	16	5	BERLINZOO	17 Jul 1986	860042	Birth	JURY
					PERTH	23 Aug 1992	920198	Loan to	
						8 Oct 2014		Death	
		[Death by: Other/Unknown _ Incinerate _ Necropsy done (no info) _ Necropsy not received]							
37	M	30 Aug 1986	2	1	WINNIPEG	30 Aug 1986	910113	Birth	B.J./CHILIBI
					GIBSBIRDS	25 Feb 1995	HMO806	Transfer	
						9 Nov 2003		Death	
		[Death by: Infection associated _ Unknown _ Unknown (after necropsy)]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
38	M	~ 1987	WILD	WILD	JAVA	~ 1987	NONE	Capture	HILO
					JAKARTA	~ 1988	NONE	Transfer	
					BEKESBRNE	29 Jul 1992	H92050	Transfer	
					BELFAST	~ Jan 2015	10126	Transfer	
39	M	13 May 1987	28	29	BEKESBRNE	13 May 1987	H87044	Birth	
						13 May 1987		Death	
		[Death by: Injury from exhibit mate _ Unknown _ No necropsy planned]							
40	F	30 Mar 1988	28	29	BEKESBRNE	30 Mar 1988	H88041	Birth	SHEWOK
					MUNICH	24 Mar 2002	O23007	Transfer	
						11 May 2003		Death	
		[Death by: Infection associated _ Unknown _ Reproductive _ Unknown after necropsy]							
41	M	5 Jul 1988	7	8	MUNICH	5 Jul 1988	O23004	Birth	PABLO
42	F	~ 1989	WILD	WILD	JAVA	~ 1989	NONE	Capture	LOCI
					JAKARTA	~ 1990	NONE	Transfer	
					BEKESBRNE	29 Jul 1992	H92049	Transfer	
					LYMPNE	9 May 2002	P22014	Transfer	
					LA PLAINE	6 May 2006	SF0038	Loan to	
						25 Jul 2008		Death	
		[Death by: Unknown means]							
43	F	24 Feb 1990	2	1	WINNIPEG	24 Feb 1990	910114	Birth	CHLOE
					GIBSBIRDS	25 Feb 1995	HMO803	Loan to	
44	F	30 May 1990	33	25	BEKESBRNE	30 May 1990	H90047	Birth	
						30 May 1990		Death	
		[Death by: Injury from exhibit mate _ Unknown _ No necropsy planned]							
45	M	26 Nov 1990	28	29	BEKESBRNE	26 Nov 1990	H90046	Birth	IWOK
					LYMPNE	9 May 2002	P22015	Transfer	
					BEKESBRNE	17 Nov 2006	H90046	Transfer	
46	F	10 May 1991	33	25	BEKESBRNE	10 May 1991	H91038	Birth	YONI
					LYMPNE	4 Jan 2007	P20704	Transfer	
						~11 Dec 2011		Death	
		[Death by: Infection associated _ Unknown _ Urinary _ Unknown after necropsy]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
47	F	19 May 1992	2	1	WINNIPEG	19 May 1992	000837	Birth	17
						19 May 1992		Death	
		[Death by: Stillbirth _ Bury _ Unknown (after necropsy)]							
48	M	28 May 1993	28	29	BEKESBRNE	28 May 1993	H93027	Birth	UJUNG
						11 Dec 2011		Death	
		[Death by: Infection associated _ Unknown _ Respiratory _ Bacterial _ Necropsy not received]							
49	?	30 May 1993	2	1	WINNIPEG	30 May 1993	000838	Birth	18
						30 May 1993		Death	
		[Death by: Stillbirth _ Bury _ Unknown (after necropsy)]							
50	F	13 Jan 1994	33	25	BEKESBRNE	13 Jan 1994	H94000	Birth	KULON
					WINNIPEG	13 Jan 1994	001490	Ownership	
					JAVA	21 Dec 2017	_____	Transfer	
51	F	5 Jun 1994	2	1	WINNIPEG	5 Jun 1994	000839	Birth	WILLOW
						26 Sep 2013		Death	
		[Death by: Euthanasia (medical) _ Incinerate _ Generalized _ Necropsy not received]							
52	F	13 Jan 1995	36	32	PERTH	13 Jan 1995	950005	Birth	KHUSUS
					WINNIPEG	13 Jan 1995	971279	Ownership	
					GIBSBIRDS	10 Oct 1999	HMO805	Transfer	
53	M	23 Jan 1996	28	29	BEKESBRNE	23 Jan 1996	H96003	Birth	HALIMUN
					SYDNEY	1 Jun 2004	A40189	Loan to	
						5 Jul 2009		Death	
		[Death by: Unknown means]							
54	F	12 Jun 1996	38	40	BEKESBRNE	12 Jun 1996	H96044	Birth	SALAK
55	F	26 Jan 1997	33	25	BEKESBRNE	26 Jan 1997	H97005	Birth	PANGRANGO
					WINNIPEG	26 Jan 1997	D00406	Ownership	
					MUNICH	17 Feb 2004	023008	Loan to	
56	F	13 May 1997	31	43	GIBSBIRDS	13 May 1997	_____	Birth	
						13 May 1997		Death	
		[Death by: Stillbirth _ Unknown _ Unknown (after necropsy)]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
57	M	19 Aug 1997	36	32	PERTH	19 Aug 1997	970711	Birth	
						20 Aug 1997		Death	
		[Death by: Injury from exhibit mate _ Incinerate _ Integumentary _ Trauma]							
58	M	24 Sep 1990	7	8	MUNICH	24 Sep 1990	O23006	Birth	
						24 Sep 1990		Death	
		[Death by: Premature birth _ Unknown _ No necropsy planned]							
59	M	19 Dec 1991	7	8	MUNICH	19 Dec 1991	O23012	Birth	
						19 Dec 1991		Death	
		[Death by: Stillbirth _ Unknown _ Unknown (after necropsy)]							
60	M	19 Jan 1998	31	43	GIBSBIRDS	19 Jan 1998	HMO898	Birth	ISAAC
					BEKESBRNE	8 Mar 2005	H20503	Transfer	
						15 Apr 2007		Death	
		[Death by: Infection associated _ Given to an institution: _ Respiratory _ Bacterial]							
61	F	14 Feb 1998	28	29	BEKESBRNE	14 Feb 1998	H98008	Birth	KENDANG
						23 Feb 2011		Death	
		[Death by: Unknown means]							
62	F	20 Apr 1998	36	32	PERTH	20 Apr 1998	980206	Birth	REGINA
					SYDNEY	12 Feb 2004	A40078	Transfer	
					LYMPNE	~30 Apr 2010	P20117	Transfer	
					JAVA	31 Jan 2013	_____	ltf	
63	M	28 Sep 1999	34	46	BEKESBRNE	28 Sep 1999	H99050	Birth	ANAK
64	F	9 Apr 1999	33	25	BEKESBRNE	9 Apr 1999	H99013	Birth	REGGAT
65	F	23 May 2000	28	29	BEKESBRNE	23 May 2000	H20023	Birth	SIMPANG
					GIBSBIRDS	20 Oct 2009	HMO807	Loan to	
66	M	24 Nov 2000	36	32	PERTH	24 Nov 2000	A00646	Birth	ARJUNA
					MOGO	20 Oct 2008	A80018	Transfer	
68	F	~ 1970	WILD	WILD	WILD	~ 1975	NONE	Capture	
					RAPERSWIL	~ 1975	_____	Transfer	
						27 Apr 1981		Death	
		[Death by: Unknown means]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
69	F	~ 1969	WILD	WILD	WILD	~ 1970	NONE	Capture	WAUWAU/PAULA
					RHEINE	~ 1970	NONE	Transfer	
					MUNICH	11 Nov 1982	O23005	Transfer	
						14 Jun 1989		Death	
					[Death by: Other/Unknown _ Given to an institution: _ Unknown (after necropsy)]				
70	M	19 Feb 2001	33	25	BEKESBRNE	19 Feb 2001	H20105	Birth	CISOLOK
					LA PLAINE	6 May 2006	SF0037	Loan to	
					BEKESBRNE	~11 Nov 2010	H20105	Transfer	
71	M	16 Nov 2001	34	46	BEKESBRNE	16 Nov 2001	H20133	Birth	PERAK
					LYMPNE	4 Jan 2007	P20705	Loan to	
					GIBSBIRDS	20 Oct 2009	HMO810	Transfer	
72	M	29 Jan 2000	31	43	GIBSBIRDS	29 Jan 2000	HMO896	Birth	REG
					WINNIPEG	29 Jan 2000	A00352	Ownership	
					GIBSBIRDS	29 Jan 2000	HMO896	Transfer	
73	M	6 Nov 2001	31	43	GIBSBIRDS	6 Nov 2001	HMO894	Birth	LIONEL
					MUNICH	19 Dec 2008	O23013	Ownership	
					FT WAYNE	16 Mar 2010	98273	Loan to	
74	M	27 Feb 2002	18	52	GIBSBIRDS	27 Feb 2002	HMO892	Birth	medina
75	F	14 Apr 2002	48	50	BEKESBRNE	14 Apr 2002	H20205	Birth	LAYAR
					WINNIPEG	14 Apr 2002	D00512	Ownership	
					PERTH	18 Sep 2008	A80283	Loan to	
					MOGO	20 Oct 2008	A80017	Loan to	
76	F	24 Mar 2003	36	32	PERTH	24 Mar 2003	A30126	Birth	SINTA
					WINNIPEG	24 Mar 2003	D00513	Ownership	
					PERTH	9 Jan 2005		Death	
					[Death by: Unknown means]				
77	F	~ 1990	WILD	WILD	JAVA	~ 1991	NONE	Capture	CHIMOY
					BOGOR JGC	18 Nov 2002	000001	Transfer	
						30 Jun 2004		Death	
					[Death by: Unknown means]				

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
78	M	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	WALI
					BOGOR JGC	9 Dec 2002	000002	Transfer	
						21 Apr 2004		Death	
					[Death by: Other/Unknown _ Unknown _ Digestive _ Unknown after necropsy]				
79	F	~ 1991	WILD	WILD	JAVA	~ 1992	NONE	Capture	YUKI
					BOGOR JGC	13 Mar 2003	000003	Transfer	
						~ 1 Feb 2010	000003	ltf	
80	M	~ 1998	WILD	WILD	JAVA	~ 1999	NONE	Capture	JEFFRY
					BOGOR JGC	20 Sep 2003	000004	Transfer	
						~ 1 Jun 2012		Death	
					[Death by: Malicious destruction _ Unknown _ Unknown (after necropsy) _ Trauma _]				
81	F	28 Aug 2003	31	43	GIBSBIRDS	28 Aug 2003	HM0899	Birth	ISABELLA
					WINNIPEG	28 Aug 2003	D01163	Ownership	
					GREEN NSC	23 May 2012	120302	Loan to	
82	M	5 Jun 2004	18	52	GIBSBIRDS	5 Jun 2004	HM0890	Birth	LEON
					GREEN NSC	23 May 2012	120301	Loan to	
					GIBSBIRDS	23 May 2012	_____	Ownership	
83	F	7 Aug 2002	33	25	BEKESBRNE	7 Aug 2002	H20224	Birth	DIENG
					WINNIPEG	7 Aug 2002	E00697	Ownership	
					BELFAST	26 Jun 2006	5592	Loan to	
					GIBSBIRDS	5 Feb 2010	NONE	Loan to	
					FT WAYNE	16 Mar 2010	98274	Loan to	
84	F	1 Mar 2004	34	46	BEKESBRNE	1 Mar 2004	H20406	Birth	SARASWATI
						~ Jan 2015	H20406	Transfer	
85	M	~ 1989	WILD	WILD	JAVA	~ 1990	NONE	Capture	EMED
					BANDUNG	30 Sep 1994	IN01	Transfer	
						8 Jun 2016	IN01	ltf	
86	F	~ 1987	WILD	WILD	JAVA	~ 1988	NONE	Capture	KINOY
					BANDUNG	30 Mar 1994	IN02	Transfer	
						7 Mar 2000		Death	
					[Death by: Unknown means]				

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
87	M	~ 1989	WILD	WILD	JAVA	~ 1990	NONE	Capture	OTOY
					BANDUNG	7 Nov 1994	IN03	Transfer	
						13 May 2003		Death	
		[Death by: Unknown means]							
88	M	~ 1991	WILD	WILD	JAVA	~ 1992	NONE	Capture	ENDING
					BANDUNG	26 Mar 1996	IN04	Transfer	
						8 Jun 2016	IN04	ltf	
89	F	~ 1989	WILD	WILD	JAVA	~ 1990	NONE	Capture	UNAH
					BANDUNG	7 Nov 1994	IN05	Transfer	
						8 Jun 2016	IN05	ltf	
90	F	~ 1989	WILD	WILD	JAVA	~ 1990	NONE	Capture	RATIH
					BANDUNG	12 Jan 1994	KBBL08	Transfer	
						25 Feb 2003		Death	
		[Death by: Unknown means]							
91	F	~ 1992	WILD	WILD	JAVA	~ 1993	NONE	Capture	CIKI
					BANDUNG	27 Apr 1999	IN07	Transfer	
					SURABAYA	4 Jun 1999	_____	Transfer	
						8 Jun 2016	IN07	ltf	
92	M	10 Jun 1998	87	86	BANDUNG	10 Jun 1998	IN08	Birth	AMOY
						8 Jun 2016	IN08	ltf	
93	M	27 Jul 1998	88	89	BANDUNG	27 Jul 1998	IN09	Birth	KARIMI
						8 Jun 2016	IN09	ltf	
94	M	~ 1997	WILD	WILD	JAVA	~ 1998	NONE	Capture	DILO
					BANDUNG	20 Aug 1999	IN10	Transfer	
						8 Jun 2016	IN10	ltf	
95	M	~ 1997	WILD	WILD	JAVA	~ 1998	NONE	Capture	CINTA
					BANDUNG	10 Sep 2002	IN11	Transfer	
						8 Jun 2016	IN11	ltf	
96	F	31 Jan 2000	85	90	BANDUNG	31 Jan 2000	IN12	Birth	MAYANG
						9 May 2000		Death	
		[Death by: Unknown means]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
97	F	~ 1993	WILD	WILD	JAVA	~ 1994	NONE	Capture	CHYTAH
					BANDUNG	14 Mar 2000	IN13	Transfer	
						8 Jun 2016	IN13	ltf	
98	M	~ 1997	WILD	WILD	JAVA	~ 1998	NONE	Capture	ZEKY
					BANDUNG	20 Apr 2001	IN14	Transfer	
						8 Jun 2016	IN14	ltf	
99	F	~ 1998	WILD	WILD	JAVA	~ 1999	NONE	Capture	CHIKA
					BANDUNG	11 Mar 2002	IN15	Transfer	
						8 Jun 2016	IN15	ltf	
100	M	25 Mar 2002	85	90	BANDUNG	25 Mar 2002	IN16	Birth	
						28 Mar 2002		Death	
		[Death by: Unknown means]							
101	M	~ 1996	WILD	WILD	JAVA	~ 1997	NONE	Capture	RAHUL
					BANDUNG	29 Mar 2002	IN17	Transfer	
					SURABAYA	4 Jun 2003	_____	Transfer	
						8 Jun 2016	IN17	ltf	
102	M	~ 1999	WILD	WILD	JAVA	~ 2000	NONE	Capture	VITO
					BANDUNG	28 Aug 2002	IN18	Transfer	
						8 Jun 2016	IN18	ltf	
103	F	~ 1999	WILD	WILD	JAVA	~ 2000	NONE	Capture	VINI
					BANDUNG	7 Sep 2002	IN19	Transfer	
						8 Jun 2016	IN19	ltf	
104	M	~ 1999	WILD	WILD	JAVA	~ 2000	NONE	Capture	VIDI
					BANDUNG	7 Sep 2002	IN20	Transfer	
						8 Jun 2016	IN20	ltf	
105	F	~ 1999	WILD	WILD	JAVA	~ 2000	NONE	Capture	VIRA
					BANDUNG	7 Sep 2002	IN21	Transfer	
						8 Jun 2016	IN21	ltf	
106	M	~ 1999	WILD	WILD	JAVA	~ 2000	NONE	Capture	VIRO
					BANDUNG	7 Sep 2002	IN22	Transfer	
						8 Jun 2016	IN22	ltf	

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
107	M	~ 1995	WILD	WILD	JAVA	~ 1996	NONE	Capture	CHIKO
					BANDUNG	3 Sep 2002	IN23	Transfer	
						8 Jun 2016	IN23	ltf	
108	F	~ 1998	WILD	WILD	JAVA	~ 1999	NONE	Capture	DONNA
					BANDUNG	24 May 2003	IN24	Transfer	
						8 Jun 2016	IN24	ltf	
109	M	~ 1995	WILD	WILD	JAVA	~ 1996	NONE	Capture	TIGAR
					BANDUNG	17 Sep 2002	KBB102	Transfer	
					SURABAYA	30 Dec 2002	_____	Transfer	
						8 Jun 2016	KBB102	ltf	
110	F	~ 1993	WILD	WILD	JAVA	~ 1994	NONE	Capture	BELO
					BANDUNG	6 Mar 1997	KBBL06	Transfer	
					SURABAYA	30 Dec 1999	_____	Transfer	
						8 Jun 2016	KBBL06	ltf	
111	M	~ 1998	WILD	WILD	JAVA	~ 1999	NONE	Capture	ARI
					BOGOR	5 Apr 1999	01	Transfer	
					BOGOR UNI	23 Jan 2003	_____	ltf	
112	F	~ 1989	WILD	WILD	JAVA	~ 1990	NONE	Capture	ABU
					BOGOR	~ Jun 1991	02	Transfer	
						9 Jun 2016	02	ltf	
113	F	~ 1998	WILD	WILD	JAVA	~ 1999	NONE	Capture	ELEN
					BOGOR	8 Sep 2000	03	Transfer	
						7 Jun 2001		Death	
		[Death by: Unknown means]							
114	M	~ 1990	WILD	WILD	JAVA	~ 1991	NONE	Capture	RICO
					BANDUNDU	~ 1992	_____	Transfer	
					BOGOR	~ 1993	04	Transfer	
					BOGOR UNI	23 Jan 2003	_____	Transfer	
						9 Jun 2016	04	ltf	
115	F	~ 1996	WILD	WILD	JAVA	~ 1997	NONE	Capture	KENJI
					BOGOR	5 Feb 2000	05	Transfer	
						9 Jun 2016	05	ltf	

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
116	F	~ 1998	WILD	WILD	JAVA	~ 1998	NONE	Capture	LILIS
					BOGOR	10 Dec 2000	06	Transfer	
						9 Jun 2016	06	ltf	
117	F	~ 1993	WILD	WILD	JAVA	~ 1993	NONE	Capture	MANIS
					BANDUNDU	~ 1994	_____	Transfer	
					BOGOR	3 Mar 1994	07	Transfer	
						9 Jun 2016	07	ltf	
118	F	~ 1996	WILD	WILD	JAVA	~ 1997	NONE	Capture	LANI
					BOGOR	9 Jun 2000	08	Transfer	
						9 Jun 2016	08	ltf	
119	M	~ 1993	WILD	WILD	JAVA	~ 1994	NONE	Capture	CIBO
					BOGOR	3 May 1995	09	Transfer	
						9 Jun 2016	09	ltf	
120	F	~ 1994	WILD	WILD	JAVA	~ 1995	NONE	Capture	MIMIS
					BOGOR	5 Jun 2001	10	Transfer	
					BOGOR UNI	21 Jan 2003	_____	Transfer	
						9 Jun 2016	10	ltf	
121	M	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	ALDO
					SCHMUTZER	1 Aug 2004	S20420	Transfer	
					BEKESBRNE	15 Nov 2007	H20791	Loan to	
122	F	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	CECEP
					SCHMUTZER	1 Aug 2004	S20419	Transfer	
					BEKESBRNE	15 Nov 2007	H20792	Loan to	
123	F	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	MISS
					SCHMUTZER	1 Aug 2004	S20422	Transfer	
					BEKESBRNE	15 Nov 2007	H20794	Loan to	
124	M	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	GALIH
					SCHMUTZER	1 Aug 2004	S20423	Transfer	
					BEKESBRNE	15 Nov 2007	H20790	Loan to	
					LYMPNE	~ 9 Nov 2010	P20172	Transfer	

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(*Hylobates moloch*)

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
125	M	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	ALUEN
					SCHMUTZER	1 Aug 2004	005	Transfer	
						9 Jun 2016	005	ltf	
126	M	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	UJANG
					SCHMUTZER	21 Aug 2004	S20428	Transfer	
						9 Jun 2016	S20428	ltf	
127	M	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	PIKO
					SCHMUTZER	21 Feb 2004	S20405	Transfer	
						9 Jun 2016	S20405	ltf	
128	M	~ 1995	WILD	WILD	JAVA	~ 1995	NONE	Capture	ATEP
					JAKARTA	~ Aug 2002	R50200	Transfer	
					SCHMUTZER	16 Aug 2002	S20218	Transfer	
						9 Jun 2016	S20218	ltf	
129	F	~ 1996	WILD	WILD	JAVA	~ 1996	NONE	Capture	ULLAH
					JAKARTA	~ Aug 2002	R50201	Transfer	
					SCHMUTZER	16 Aug 2002	S20219	Transfer	
						9 Jun 2016	S20219	ltf	
130	F	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	ENCEP
					SCHMUTZER	3 Jul 2003	S20322	Transfer	
						9 Jun 2016	S20322	ltf	
131	F	~ 1999	WILD	WILD	JAVA	~ 2001	NONE	Capture	EUIS
					SCHMUTZER	3 Jul 2003	S20323	Transfer	
						9 Jun 2016	S20323	ltf	
132	M	21 Dec 2004	33	25	BEKESBRNE	21 Dec 2004	H20455	Birth	WAYANG
					WINNIPEG	21 Dec 2004	F00107	Ownership	
					BELFAST	26 Jun 2006	5593	Loan to	
					BEKESBRNE	2 Jul 2015	H20455	Transfer	
133	F	4 Jan 2005	48	50	BEKESBRNE	4 Jan 2005	0	Birth	ALANGALANG
					PRAHA	14 Nov 2014	_____	Transfer	
134	M	~ 2000	WILD	WILD	JAVA	~ 2001	NONE	Capture	KISKIS
					BOGOR JGC	22 Feb 2004	005	Transfer	
						~ 1 Jan 2007	005	ltf	

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
135	F	~ 1998	WILD	WILD	JAVA	~ 1999	NONE	Capture	NANCY
					BOGOR JGC	1 Jun 2004	63BF13	Transfer	
					PUNTANG	24 Apr 2015	_____	Release	
136	M	~ 2001	WILD	WILD	JAVA	~ 2002	NONE	Capture	MOLI
					BOGOR JGC	20 Sep 2004	627AE0	Transfer	
					PUNTANG	24 Apr 2015	_____	Release	
137	M	30 May 2005	36	32	PERTH	30 May 2005	A50279	Birth	NAKULA
					BEKESBRNE	25 Mar 2015	H21386	Transfer	
					BALLAUGH	1 Jun 2016	_____	Transfer	
138	F	~ 2004	WILD	WILD	JAVA	~ 2005	NONE	Capture	MONI
					BOGOR JGC	3 Mar 2005	63BF53	Transfer	
					PUNTANG	24 Apr 2015	_____	Release	
139	M	23 Jun 2005	41	55	MUNICH	23 Jun 2005	0	Birth	FLIP
					PRAHA	26 Nov 2014	_____	Transfer	
140	F	22 Nov 2005	63	54	BEKESBRNE	22 Nov 2005	H20555	Birth	
						22 Nov 2005		Death	
			[Death by: Unknown means]						
141	M	27 Feb 2006	34	46	BEKESBRNE	27 Feb 2006	H20608	Birth	GAPAK
					LYMPNE	4 Jan 2007	P20707	Transfer	
142	F	11 Mar 2007	33	25	BELFAST	11 Mar 2007	5662	Birth	BELLE
					WINNIPEG	11 Mar 2007	E00698	Ownership	
					BEKESBRNE	6 Feb 2013	921297	Transfer	
					LYMPNE	~ Jan 2014	921297	Transfer	
143	F	27 Apr 2007	63	54	BEKESBRNE	27 Apr 2007	H20735	Birth	SLAMET
					BALLAUGH	1 Jun 2016	_____	Transfer	
144	M	14 Jul 2007	48	50	BEKESBRNE	14 Jul 2007	H20759	Birth	PEUCANG
					LESNA	14 Nov 2014	_____	Transfer	

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
145	M	~1999 +/-1yr	WILD	WILD	SCHMUTZER	1 Aug 2004	S20421	Transfer	ALVEN
					BEKESBRNE	15 Nov 2007	H20793	Loan to	
						30 Dec 2015	NONE	Transfer	
					CHESTER	30 Dec 2015	C1603	Transfer	
146	F	26 May 2008	36	32	PERTH	26 May 2008	A80224	Birth	CAHAYA
					LYMPNE	25 Mar 2015	_____	Transfer	
147	F	25 Jan 2008	45	64	BEKESBRNE	25 Jan 2008	_____	Birth	TILU
					CHESTER	30 Dec 2015	C1602	Transfer	
148	M	16 Apr 2007	70	42	LA PLAINE	16 Apr 2007	SG0039	Birth	
						16 Apr 2007		Death	
		[Death by: Premature birth _ Incinerate _ Unknown (after necropsy)]							
149	M	16 Apr 2007	70	42	LA PLAINE	16 Apr 2007	SG0040	Birth	
						16 Apr 2007		Death	
		[Death by: Premature birth _ Incinerate _ Unknown (after necropsy)]							
150	F	????	UNK	UNK	UNKNOWN	????	NONE	Birth	
					ROBISON	????	NONE	Transfer	
					PHILADELP	23 Oct 1921	14895	Transfer	
						3 Nov 1921		Death	
		[Death by: Unknown means]							
151	F	????	UNK	UNK	UNKNOWN	????	NONE	Birth	
					CHURCHILL	????	NONE	Transfer	
					MILWAUKEE	29 May 1923	X00522	Transfer	
						11 Aug 1927		Death	
		[Death by: Unknown means]							
152	?	????	UNK	UNK	UNKNOWN	????	NONE	Birth	
					HORNE	????	NONE	Transfer	
					NZP-WASH	21 May 1927	12233A	Transfer	
						1 Jun 1927		Death	
		[Death by: Other/Unknown _ Incinerate _ Necropsy planned later]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
153	?	????	UNK	UNK	UNKNOWN	????	NONE	Birth	
					HORNE	????	NONE	Transfer	
					NZP-WASH	21 May 1927	12233B	Transfer	
						10 Oct 1927		Death	
					[Death by: Other/Unknown _ Incinerate _ Necropsy planned later]				
154	?	????	UNK	UNK	UNKNOWN	????	NONE	Birth	
					PUBLIC	~ 1928	_____	Transfer	
					NZP-WASH	5 Jun 1928	12421	Transfer	
						18 Jul 1928		Death	
					[Death by: Other/Unknown _ Incinerate _ Necropsy planned later]				
155	F	????	WILD	WILD	JAVA	~ 1949	NONE	Capture	MARY
					W REED	????	NONE	Transfer	
					NZP-WASH	7 Oct 1953	23806	Transfer	
					BUCK W	21 Oct 1966	NONE	ltf	
156	F	~ Jan 1934	UNK	UNK	UNKNOWN	~ Jan 1934	NONE	Birth	
					SANDIEGOZ	31 Dec 1935	024375	Transfer	
						13 Oct 1965		Death	
					[Death by: Unknown means]				
157	M	????	WILD	WILD	JAVA	????	NONE	Capture	
					FOCKELMAN	????	NONE	Transfer	
					FRANKFURT	23 Aug 1952	10613	Transfer	
						8 Sep 1952		Death	
					[Death by: Other/Unknown _ Unknown _ Respiratory _ Unknown after necropsy]				
158	F	????	WILD	WILD	JAVA	????	NONE	Capture	GUSTL
					DIETRICH	????	NONE	Transfer	
					FRANKFURT	11 May 1953	10614	Transfer	
						20 Nov 1953		Death	
					[Death by: Other/Unknown _ Unknown _ Digestive _ Metazoan]				
159	?	????	WILD	WILD	JAVA	????	NONE	Capture	
					DIETRICH	????	NONE	Transfer	
					FRANKFURT	19 Jun 1953	10615	Transfer	
						29 Nov 1953		Death	
					[Death by: Unknown means]				

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
160	F	????	WILD	WILD	JAVA	????	NONE	Capture	
					PRIVATE	????	NONE	Transfer	
					HANNOVER	15 Mar 1965	II960	Transfer	
						13 Dec 1969		Death	
		[Death by: Unknown means]							
162	F	????	WILD	WILD	WILD	????	NONE	Capture	
					GELSNKRKN	????	NONE	Transfer	
					HANNOVER	9 Nov 1968	II961	Transfer	
					HALLE	9 Jun 1970	NONE	ltf	
163	M	~ 1974	UNK	UNK	LOSANGELE	~ 1974	NONE	Birth	
					MORELIA	12 Mar 1975	M00282	ltf	
164	M	~ 1974	UNK	UNK	LOSANGELE	~ 1974	NONE	Birth	
					MORELIA	12 Mar 1975	PRI013	ltf	
165	M	8 May 1975	229	230	BROWNSVIL	8 May 1975	8034	Birth	
						10 May 1975		Death	
		[Death by: Unknown means]							
167	F	~ 1974	UNK	UNK	UNKNOWN	~ 1974	NONE	Birth	JOANNE
					VANLEEK	????	NONE	Transfer	
					VALLEYZOO	6 Jul 1975	001069	Transfer	
						8 Apr 1980		Death	
		[Death by: Other/Unknown _ Incinerate _ No necropsy planned]							
168	M	~ 1953	WILD	WILD	WILD	~ 1953	NONE	Capture	MIKE
					L RUHE	~ 1954	______	Transfer	
					COLO SPRG	12 Sep 1954	100187	Transfer	
					BROWNSVIL	30 May 1978	1346	Loan to	
						3 Dec 1979		Death	
		[Death by: Infection associated _ Mounted or Preserved: _ Hemic/Lymph _ Bacterial]							
169	M	~ 2009	WILD	WILD	WILD	~ 2011	NONE	Capture	CHERI
					JPRC	~21 Jun 2011	001	ltf	
170	F	~ 2005	WILD	WILD	WILD	~ 2011	NONE	Capture	UKONG
					JPRC	~21 Jun 2011	002	ltf	

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
171	M	~ Aug 1985	WILD	WILD	WILD	16 Aug 1985	NONE	Capture	35
					YOGYAKART	1 Feb 1988	M31001	Transfer	
						9 May 1996		Death	
		[Death by: Other/Unknown _ Bury _ Unknown (after necropsy)]							
172	F	~ 2009	WILD	WILD	WILD	~ 2011	NONE	Capture	ACOY
					JPRC	~22 Jun 2011	003	ltf	
173	F	~ 2009	WILD	WILD	WILD	~ 2011	NONE	Capture	BOBO
					JPRC	~27 Jun 2011	004	ltf	
174	M	~ 2001	WILD	WILD	WILD	~ 2011	NONE	Capture	AOM
					JPRC	~ 6 Aug 2011	009	ltf	
175	F	17 Jul 1987	WILD	WILD	WILD	~ 1987	NONE	Capture	35
					YOGYAKART	4 Nov 1992	M31002	Transfer	
						~ 1997	M31002	ltf	
176	F	~ 2000	WILD	WILD	WILD	~ 2011	NONE	Capture	PUPUT
					JPRC	~ 6 Aug 2011	010	ltf	
178	M	5 Aug 1995	171	175	YOGYAKART	5 Aug 1995	M31003	Birth	35
						17 Mar 1998	M31003	ltf	
180	M	~ 1998	WILD	WILD	WILD	~ 1998	NONE	Capture	MAKS
					ALMA-ATA	27 Jul 1998	B86981	Transfer	
						13 Mar 2005		Death	
		[Death by: Unknown means]							
181	F	~ 1999	WILD	WILD	WILD	~ 1999	NONE	Capture	AFINA
					ALMA-ATA	25 Jan 1999	B86982	Transfer	
						25 May 2000		Death	
		[Death by: Unknown means]							
182	M	~ 1989	WILD	WILD	WILD	~ 1989	NONE	Capture	GREY
					MELAKA	24 Feb 1999	ZM135	Transfer	
						26 Jan 2001		Death	
		[Death by: Unknown means]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
183	F	~ 2000	WILD	WILD	WILD	~ 2000	NONE	Capture	
					ALMA-ATA	29 Dec 2000	B8600	Transfer	
						22 Jan 2002		Death	
		[Death by: Unknown means]							
186	M	~ 1997	WILD	WILD	WILD	~ 1997	NONE	Capture	BEJO
					SCHMUTZER	18 Oct 2004	S20441	Transfer	
						9 Jun 2016	S20441	ltf	
187	F	~ 1998	WILD	WILD	WILD	~ 1998	NONE	Capture	SARAH
					SCHMUTZER	18 Oct 2004	S20442	Transfer	
						9 Jun 2016	S20442	ltf	
188	F	~ 1998	WILD	WILD	WILD	~ 1998	NONE	Capture	ATUN
					SCHMUTZER	18 Oct 2004	S20443	Transfer	
						9 Jun 2016	S20443	ltf	
189	M	~ 1997	WILD	WILD	WILD	~ 1997	NONE	Capture	JAJANG
					SCHMUTZER	18 Oct 2004	S20444	Transfer	
						9 Jun 2016	S20444	ltf	
190	F	~ 1997	WILD	WILD	WILD	~ 1997	NONE	Capture	ASIH/SUSAN
					SCHMUTZER	18 Oct 2004	S20445	Transfer	
						9 Jun 2016	S20445	ltf	
191	F	~ 1997	WILD	WILD	WILD	~ 1997	NONE	Capture	LISA
					SCHMUTZER	18 Oct 2004	S20446	Transfer	
						9 Jun 2016	S20446	ltf	
192	F	~ 2000	WILD	WILD	WILD	~ 2000	NONE	Capture	SITI/CACA
					JAKARTA	~ Oct 2004	R50205	Transfer	
					SCHMUTZER	18 Oct 2004	S20447	Transfer	
						9 Jun 2016	S20447	ltf	
193	M	~ 1997	WILD	WILD	WILD	~ 1997	NONE	Capture	EMAN
					SCHMUTZER	18 Oct 2004	S20650	Transfer	
						9 Jun 2016	S20650	ltf	
194	?	11 Feb 2006	128	129	SCHMUTZER	11 Feb 2006	S20602	Birth	
						11 Feb 2006		Death	
		[Death by: Unknown means]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
195	M	23 Mar 2003	WILD	WILD	WILD	~ 2003	NONE	Capture	JUNOT
					SCHMUTZER	20 Feb 2006	S20607	Transfer	
					JAKARTA	6 Oct 2006	NONE	Transfer	
						9 Jun 2016	S20607	ltf	
196	F	~ 2003	WILD	WILD	WILD	~ 2003	NONE	Capture	JANET
					SCHMUTZER	20 Feb 2006	S20608	Transfer	
					JAKARTA	6 Oct 2006	NONE	Transfer	
						9 Jun 2016	S20608	ltf	
197	F	28 May 2001	WILD	WILD	WILD	28 May 2001	NONE	Capture	MENG-MENG
					SCHMUTZER	30 Mar 2006	S20610	Transfer	
						9 Jun 2016	S20610	ltf	
198	M	~ 1998	WILD	WILD	WILD	~ Jan 1998	NONE	Capture	RIRI
					JAKARTA	~ 2007	_____	Transfer	
					SCHMUTZER	8 Jan 2007	S20655	Loan to	
					JAKARTA	27 Oct 2007	NONE	Transfer	
						9 Jun 2016	S20655	ltf	
199	F	~ 2000	WILD	WILD	WILD	~ 2006	NONE	Capture	RERE
					JAKARTA	~ 2007	_____	Transfer	
					SCHMUTZER	8 Jan 2007	S20656	Loan to	
					JAKARTA	27 Oct 2007	NONE	Transfer	
						9 Jun 2016	_____	ltf	
200	M	~ Jan 1999	WILD	WILD	WILD	~ Jan 1999	NONE	Capture	YAYAT
					SCHMUTZER	14 Jun 2007	S20626	Transfer	
						9 Jun 2016	S20626	ltf	
201	M	~ Jan 2001	WILD	WILD	WILD	~ Jan 2001	NONE	Capture	TONY
					SCHMUTZER	14 Jun 2007	S20627	Transfer	
						9 Jun 2016	S20627	ltf	
202	M	~ 2000	WILD	WILD	JAVA	~ 2000	NONE	Capture	JIMBO
					BOGOR JGC	9 Jul 2008	NONE	Transfer	
						~ 1 Mar 2012		Death	
		[Death by: Unknown means]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
203	M	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	SIMON
					BOGOR JGC	14 Dec 2007	NONE	Transfer	
						~ 1 Jun 2012		Death	
		[Death by: Unknown means]							
204	F	~ 1998	WILD	WILD	JAVA	~ 1998	NONE	Capture	UU
					BOGOR JGC	14 Dec 2007	627A34	Transfer	
205	F	~ 2000	WILD	WILD	JAVA	~ 2000	NONE	Capture	LUKAS
					BOGOR JGC	19 Nov 2007	NONE	Transfer	
						~ 1 May 2015		Death	
		[Death by: Unknown means]							
206	F	~ 2000	WILD	WILD	JAVA	~ 2000	NONE	Capture	KASY
					BOGOR JGC	19 Nov 2007	NONE	Transfer	
						~ 1 Jun 2015		Death	
		[Death by: Unknown means]							
207	M	~ 2000	WILD	WILD	WILD	~ 2000	NONE	Capture	SADEWA
					BOGOR JGC	28 Jan 2008	627D17	Transfer	
					PUNTANG	15 Jun 2013	_____	Release	
208	F	~ 2000	WILD	WILD	WILD	~ 2000	NONE	Capture	KIKI
					BOGOR JGC	28 Jan 2008	63COAF	Transfer	
					PUNTANG	15 Jun 2013	_____	Release	
209	M	~ 1997	WILD	WILD	WILD	~ 1997	NONE	Birth	MEL
					BOGOR JGC	28 Jan 2008	627DC4	Transfer	
					PUNTANG	10 Aug 2016	_____	Release	
210	F	~ 2000	WILD	WILD	WILD	~ 2000	NONE	Birth	POOH
					BOGOR JGC	28 Jan 2008	627FC8	Transfer	
					PUNTANG	10 Aug 2016	_____	Release	
211	M	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	SEPTA
					BOGOR JGC	28 Jan 2008	NONE	Transfer	
					JAVA	~ 1 Oct 2009	_____	ltf	
212	F	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	ECHI
					BOGOR JGC	28 Jan 2008	NONE	Transfer	
					JAVA	~ 1 Oct 2009	_____	ltf	

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
213	M	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	NAKULA
					BOGOR JGC	13 Apr 2008	627E80	Transfer	
214	F	~ 2002	WILD	WILD	JAVA	~ 2002	NONE	Capture	DINA
					BOGOR JGC	13 Apr 2008	NONE	Transfer	
						~ 1 Feb 2014		Death	
		[Death by: Unknown means]							
215	F	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	DOMPU
					BOGOR JGC	13 Apr 2008	628015	Transfer	
					PUNTANG	24 Oct 2017	_____	Release	
216	M	~ 2000	WILD	WILD	JAVA	~ 2000	NONE	Capture	CHARLIE
					BOGOR JGC	13 Apr 2008	NONE	Transfer	
						~ 1 Jun 2012		Death	
		[Death by: Unknown means]							
217	M	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	JOWO
					BOGOR JGC	13 Apr 2008	627E8B	Transfer	
					PUNTANG	27 Mar 2014	_____	Release	
218	F	~ 1999	WILD	WILD	JAVA	~ 1999	NONE	Capture	BOMBOM
					BOGOR JGC	13 Apr 2008	627EFD	Transfer	
					PUNTANG	27 Mar 2014	_____	Release	
219	F	~ 2001	WILD	WILD	JAVA	~ 2001	NONE	Capture	CUPLIS
					BOGOR JGC	7 Apr 2008	627CF6	Transfer	
					PUNTANG	~ 1 Jan 2019	_____	Release	
220	M	~ 2000	WILD	WILD	JAVA	~ 2000	NONE	Capture	ROBIN
					BOGOR JGC	7 Jun 2008	627F8F	Transfer	
					PUNTANG	24 Apr 2015	_____	Release	
221	F	~ 2004	WILD	WILD	JAVA	~ 2004	NONE	Capture	SASA
					BOGOR JGC	13 Apr 2008	627E41	Transfer	
					PUNTANG	24 Oct 2017	_____	Release	
222	M	~ Jan 2007	WILD	WILD	JAVA	~ Jan 2007	NONE	Capture	SAAR
					BOGOR JGC	19 Jun 2008	62836F	Transfer	
					PUNTANG	10 Aug 2016	_____	Release	

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
223	F	????	WILD	WILD	JAVA	????	NONE	Capture	MRS PUGH
					MAYFIELDS	????	NONE	Transfer	
					BRISTOL	5 Oct 1964	1536	Transfer	
					BRISTOL	17 Feb 1988		Death	
		[Death by: Unknown means]							
229	M	~ 1962	WILD	WILD	BORNEO IN	~ 1962	NONE	Capture	ORPHEUS
					BRODY E	~ 1962	_____	Transfer	
					BROWNSVIL	2 Jul 1973	84	Transfer	
						6 May 1975		Death	
		[Death by: Infection associated _ Incinerate _ Generalized _ Bacterial]							
230	F	~ 1962	WILD	WILD	BORNEO IN	????	NONE	Capture	EURYDICE
					BRODY E	????	NONE	Transfer	
					BROWNSVIL	2 Jul 1973	85	Transfer	
						8 May 1975		Death	
		[Death by: Infection associated _ Incinerate _ Generalized _ Bacterial]							
231	M	????	WILD	WILD	WILD	????	NONE	Capture	Kun
					CIKANANGA	????	NONE	Transfer	
					BOGOR JGC	26 Mar 2009	NONE	Transfer	
						~ 1 Jun 2012		Death	
		[Death by: Unknown means]							
232	F	~ 2002	WILD	WILD	WILD	????	NONE	Capture	Nuk
					CIKANANGA	~ 2007	NONE	Transfer	
					BOGOR JGC	26 Mar 2009	NONE	Transfer	
						~31 Dec 2009		Death	
		[Death by: Unknown means]							
233	M	29 Jul 2008	231	232	CIKANANGA	29 Jul 2008	NONE	Birth	Wili
					BOGOR JGC	26 Mar 2009	627FCB	Transfer	
					PUNTANG	24 Oct 2017	_____	Release	
234	F	????	WILD	WILD	WILD	????	NONE	Capture	
					NZP-WASH	8 Nov 1930	13122	Transfer	
						4 Dec 1930		Death	
		[Death by: Unknown means]							

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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
235	F	~ 1963	WILD	WILD	WILD	~ 1963	NONE	Capture	
					HERMOSA B	~ Feb 1963	NONE	Transfer	
					COLO SPRG	29 Jan 1964	100188	Transfer	
						6 Nov 1977		Death	
	[Death by: Injury from exhibit mate _ Mounted or Preserved: _ Cardiovascular _ Trauma]								
237	F	6 Sep 2009	66	75	MOGO	6 Sep 2009	A90020	Birth	CINTA
238	F	~ 1993	WILD	WILD	WILD	????	NONE	Capture	CIKA
					JAKARTA	~ 2008	R50090	Transfer	
						9 Jun 2016	R50090	ltf	
239	M	~ 1997	WILD	WILD	WILD	????	NONE	Capture	JAJANG/MENIC
					JAKARTA	18 Oct 2004	R50204	Transfer	
						9 Jun 2016	R50204	ltf	
240	M	~ 1997	WILD	WILD	WILD	????	NONE	Capture	BEJO/IBON
					JAKARTA	18 Oct 2004	R50212	Transfer	
						9 Jun 2016	R50212	ltf	
241	F	~ 1997	WILD	WILD	WILD	????	NONE	Capture	SARAH/MOMON
					JAKARTA	18 Oct 2004	R50213	Transfer	
						9 Jun 2016	R50213	ltf	
242	F	~ 1997	WILD	WILD	WILD	????	NONE	Capture	ATUN/ENENG
					JAKARTA	18 Oct 2004	R50214	Transfer	
						9 Jun 2016	R50214	ltf	
243	M	~ 2000	WILD	WILD	WILD	????	NONE	Capture	DONI
					JAKARTA	~ 2008	R50098	Transfer	
						9 Jun 2016	R50098	ltf	
244	F	~ 2000	WILD	WILD	WILD	????	NONE	Capture	DONA
					JAKARTA	~ 2008	R50099	Transfer	
						9 Jun 2016	R50099	ltf	
245	M	~ 2001	WILD	WILD	WILD	????	NONE	Capture	ROCKY
					PRIVATE	~ 2003	_____	Transfer	
					SCHMUTZER	15 Dec 2003	S20657	Transfer	
					JAKARTA	13 Apr 2004	S20657	Transfer	
						9 Jun 2016	_____	ltf	

JAVAN GIBBON Studbook

(*Hylobates moloch*)

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 Historic data
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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
246	F	~ 2001	WILD	WILD	WILD	????	NONE	Capture	RICKO
					PRIVATE	~ 2003	S20658	Transfer	
					SCHMUTZER	15 Dec 2003	S20658	Transfer	
					JAKARTA	13 Apr 2004	S20658	Transfer	
						9 Jun 2016	_____	ltf	
247	M	~ 2001	WILD	WILD	WILD	????	NONE	Capture	CIKI
					JAKARTA	~ 2008	R50089	Transfer	
						9 Jun 2016	R50089	ltf	
248	M	~ 2003	WILD	WILD	WILD	????	NONE	Capture	ROMI
					PRIVATE	~ 2004	_____	Transfer	
					SCHMUTZER	4 Apr 2004	S20659	Transfer	
						18 Apr 2004		Death	
		[Death by: Unknown means]							
249	M	~ 2003	WILD	WILD	WILD	~ 2003	NONE	Capture	ACIL
					JAKARTA	~ 2003	R50075	Transfer	
						9 Jun 2016	R50075	ltf	
250	?	11 Sep 2007	128	129	SCHMUTZER	11 Sep 2007	S20654	Birth	
						21 Sep 2007		Death	
		[Death by: Unknown means]							
251	F	10 May 2008	41	55	MUNICH	10 May 2008	O23010	Birth	INDAH
					LESNA	26 Nov 2014	_____	Transfer	
252	F	19 Jun 2009	34	46	LYMPNE	19 Jun 2009	P20938	Birth	Baru
253	F	30 Jun 2009	33	25	BELFAST	30 Jun 2009	6069	Birth	HAJA
						29 Jul 2009		Death	
		[Death by: Unknown means]							
254	M	6 Oct 2009	48	50	BEKESBRNE	6 Oct 2009	H20956	Birth	payung
					JAVA	21 Dec 2017	_____	Transfer	
255	M	20 Oct 2009	63	54	BEKESBRNE	20 Oct 2009	H20962	Birth	Hirup
					JAVA	21 Dec 2017	_____	Transfer	
256	M	21 Mar 2010	45	64	BEKESBRNE	21 Mar 2010	H21015	Birth	Dwi
					JAVA	21 Dec 2017	_____	Transfer	

JAVAN GIBBON Studbook

(*Hylobates moloch*)

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Historic data
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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
257	F	5 Jun 2009	31	52	GIBSBIRDS	5 Jun 2009	HMO897	Birth	OULA
258	F	12 Jul 2010	36	32	PERTH	12 Jul 2010	BO0238	Birth	Sunda
259	F	29 Jun 2010	41	55	MUNICH	29 Jun 2010	023016	Birth	Kim
					BELFAST	~ Jan 2015	10140	Transfer	
260	F	12 Jan 2010	121	122	BEKESBRNE	12 Jan 2010	H21002	Birth	
						~25 Jan 2010		Death	
	[Death by: Other/Unknown _ Given to an institution: EDIN MUS _ Unknown (after necropsy)]								
261	M	14 Mar 2011	73	83	FT WAYNE	14 Mar 2011	98392	Birth	Jaka
						16 Aug 2016		Death	
	[Death by: Infection associated _ Unknown _ Endocrine _ Trauma _ Necropsy not received]								
262	F	21 Jul 2010	217	218	BOGOR JGC	21 Jul 2010	638BFF	Birth	YANI
					PUNTANG	27 Mar 2014	_____	Release	
263	M	~ 2002	WILD	WILD	JAVA	~ 2002	NONE	Capture	ASEP
					BOGOR JGC	23 Apr 2010	627DC7	Transfer	
					PUNTANG	24 Oct 2017	_____	Release	
264	F	~ 2004	WILD	WILD	JAVA	~ 2004	NONE	Capture	GALAGAH
					BOGOR JGC	29 Jun 2010	627C20	Transfer	
265	F	~ 2004	WILD	WILD	WILD	~ 2004	NONE	Birth	CIKA
					BOGOR JGC	7 Jul 2010	627E39	Transfer	
					PUNTANG	~ 1 Jan 2019	_____	Release	
266	F	~ 2006	WILD	WILD	WILD	~ 2006	NONE	Birth	JOLY
					BOGOR JGC	7 Jul 2010	627D8A	Transfer	
267	M	25 Aug 2011	31	52	GIBSBIRDS	25 Aug 2011	HMO886	Birth	WINSTON
268	M	15 Oct 2011	71	65	GIBSBIRDS	15 Oct 2011	HERCUL	Birth	Hercules
269	M	16 Apr 2012	74	43	GIBSBIRDS	16 Apr 2012	HMO882	Birth	Goliath
270	M	20 Mar 2012	48	50	BEKESBRNE	20 Mar 2012	H21211	Birth	PATUHA
					JAVA	21 Dec 2017	_____	Transfer	

JAVAN GIBBON Studbook

(*Hylobates moloch*)

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Historic data
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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
271	M	7 May 2012	66	75	MOGO	7 May 2012	B20015	Birth	PATOOT
272	F	19 Aug 2012	41	55	MUNICH	19 Aug 2012	023018	Birth	Mia
273	F	15 Sep 2012	36	32	PERTH	15 Sep 2012	B20288	Birth	
						22 Sep 2012		Death	
	[Death by: Euthanasia (medical) _ Unknown _ Generalized _ Unknown after necropsy _ Necropsy not received]								
274	M	2 May 2015	66	75	MOGO	2 May 2015	_____	Birth	
276	F	16 Nov 2012	145	123	BEKESBRNE	16 Nov 2012	H21250	Birth	
						18 Dec 2012		Death	
	[Death by: Unknown means]								
277	F	11 Dec 2012	63	54	BEKESBRNE	11 Dec 2012	H21253	Birth	Lya
278	M	17 Dec 2012	121	122	BEKESBRNE	17 Dec 2012	H21255	Birth	Sigit
279	M	29 Apr 2013	82	81	GREEN NSC	29 Apr 2013	201340	Birth	Duke
					WINNIPEG	29 Apr 2013	201340	Ownership	
					GREEN NSC	29 Apr 2013	201340	Transfer	
280	M	20 Jun 2014	36	32	PERTH	20 Jun 2014	B40180	Birth	Owa
281	F	29 Oct 2011	145	123	BEKESBRNE	29 Oct 2011	H21166	Birth	
						29 Nov 2011		Death	
	[Death by: Infection associated _ Incinerate _ Necropsy done (no info) _ Necropsy not received]								
282	?	12 Jul 2012	70	29	BEKESBRNE	12 Jul 2012	H21234	Birth	
						12 Jul 2012		Death	
	[Death by: Stillbirth _ Incinerate _ Unknown (after necropsy) _ Necropsy not received]								
283	M	7 Apr 2013	45	64	BEKESBRNE	7 Apr 2013	H21279	Birth	Padang
284	M	22 Nov 2014	121	84	BEKESBRNE	22 Nov 2014	H21369	Birth	Made
285	M	23 Dec 2013	145	123	BEKESBRNE	23 Dec 2013	H21311	Birth	
						25 Dec 2013		Death	
	[Death by: Stillbirth _ Unknown _ Unknown (after necropsy) _ Necropsy not received]								

JAVAN GIBBON Studbook

(*Hylobates moloch*)

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 Historic data
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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
286	F	27 Sep 2014	41	55	MUNICH	27 Sep 2014	023019	Birth	
287	M	16 Apr 2013	73	83	FT WAYNE	16 Apr 2013	98631	Birth	Kado
288	F	23 Nov 2013	82	81	GREEN NSC	23 Nov 2013	201318	Birth	
						23 Nov 2013		Death	
	[Death by: Stillbirth _ Unknown _ Unknown (after necropsy) _ Necropsy not received]								
289	M	29 Jun 2015	45	64	BEKESBRNE	29 Jun 2015	H21400	Birth	Bogel
290	M	29 Jul 2015	139	133	PRAHA	29 Jul 2015	150271	Birth	
291	F	16 Aug 2015	73	83	FT WAYNE	16 Aug 2015	98839	Birth	
292	F	11 Jul 2015	82	81	GREEN NSC	11 Jul 2015	0	Birth	Lela
293	?	31 Dec 2013	38	84	BEKESBRNE	31 Dec 2013	H21443	Birth	
						31 Dec 2013		Death	
	[Death by: Stillbirth _ Incinerate _ No necropsy planned _ Necropsy not received]								
294	F	4 Dec 2015	137	143	BEKESBRNE	4 Dec 2015	H21429	Birth	
						6 Dec 2015		Death	
	[Death by: Injury from exhibit mate _ Incinerate _ No necropsy planned _ Necropsy not received]								
295	F	6 Dec 2015	254	50	BEKESBRNE	6 Dec 2015	H21439	Birth	Putri
					JAVA	21 Dec 2017	_____	Transfer	
296	M	10 Jan 2016	145	147	CHESTER	10 Jan 2016	C1608	Birth	Eko
297	M	3 Feb 2016	63	54	BEKESBRNE	3 Feb 2016	H21445	Birth	Opak
298	M	7 Jun 2013	217	218	BOGOR JGC	7 Jun 2013	6283EF	Birth	Uudi
					PUNTANG	27 Mar 2014	_____	Release	
299	F	9 Feb 2015	209	210	BOGOR JGC	9 Feb 2015	628E41	Birth	Asri
					PUNTANG	10 Aug 2016	_____	Release	

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(*Hylobates moloch*)

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Historic data
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Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
300	M	~ 2004	WILD	WILD	WILD	~ 2004	NONE	Capture	Adhy
					BOGOR JGC	25 Sep 2013	NONE_	Transfer	
						~ 1 Nov 2014		Death	
		[Death by: Unknown means]							
301	M	~ 2006	WILD	WILD	WILD	~ 2006	NONE	Capture	Jowi
					BOGOR JGC	27 Oct 2014	627BCD	Transfer	
302	M	~ 2010	WILD	WILD	JAVA	~ 2010	NONE	Capture	Boby
					BOGOR JGC	7 Mar 2014	6280D1	Transfer	
303	M	~ 2005	WILD	WILD	JAVA	~ 2005	NONE	Capture	Labuan
					BOGOR JGC	7 Jan 2012	627F29	Transfer	
304	F	~ 2008	WILD	WILD	JAVA	~ 2008	NONE	Capture	
					BOGOR JGC	5 Nov 2013	NONE_	ltf	
305	M	~ 2013	WILD	WILD	JAVA	~ 2013	NONE	Capture	Nofri
					BOGOR JGC	21 Jan 2014	627CE3	Transfer	
306	F	~ 2013	WILD	WILD	JAVA	~ 2013	NONE	Capture	Yossi
					BOGOR JGC	21 Feb 2014	63BDE6	Transfer	
307	M	~ 2013	WILD	WILD	JAVA	~ 2013	NONE	Capture	Delon
					BOGOR JGC	21 Dec 2014	6279E9	Transfer	
308	F	~ 2015	WILD	WILD	JAVA	~ 2015	NONE	Capture	Irma
					BOGOR JGC	9 Nov 2015	NONE_	Transfer	
						16 Jan 2018		Death	
	[Death by: Infection associated _ Unknown _ Digestive _ New growths/cancer _ Necropsy not received]								
309	M	~ 2005	WILD	WILD	JAVA	~ 2005	NONE	Capture	Mimis
					BOGOR JGC	7 Mar 2014	6383AB	Transfer	
					PUNTANG	~ 1 Jan 2019	_____	Release	
310	M	~ 2005	WILD	WILD	JAVA	~ 2005	NONE	Capture	Bonte
					BOGOR JGC	4 Sep 2016	628026	Transfer	
311	M	19 Aug 2017	137	143	BALLAUGH	19 Aug 2017	M0817	Birth	Ffinlo
312	F	17 Oct 2016	41	55	MUNICH	17 Oct 2016	023020	Birth	Quirina

JAVAN GIBBON Studbook

(*Hylobates moloch*)

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Historic data
Report ordered by: current/last location (geographic)

Stud#	Sex	Birth Date	Sire	Dam	Location	Date	LocalID	Event	Name
313	F	20 Dec 2015	141	142	LYMPNE	20 Dec 2015	P21561	Birth	Satu
314	F	30 Jan 2017	34	146	LYMPNE	30 Jan 2017	P21666	Birth	Tilu
315	F	16 Dec 2017	145	147	CHESTER	16 Dec 2017	C17107	Birth	
316	?	19 May 2018	66	75	MOGO	19 May 2018	B80003	Birth	
317	M	23 Dec 2016	121	84	BEKESBRNE	23 Dec 2016	H21466	Birth	Gpenk
318	F	30 Mar 2018	63	54	BEKESBRNE	30 Mar 2018	H21511	Birth	Biru
319	?	19 Jul 2018	141	142	LYMPNE	19 Jul 2018	P21848	Birth	
320	?	10 Oct 2018	145	147	CHESTER	10 Oct 2018	C18103	Birth	
321	M	3 Nov 2017	45	64	BEKESBRNE	3 Nov 2017	H21497	Birth	Daro
322	M	~ 2009	WILD	WILD	JAVA	~ 2009	NONE	Capture	Rambo
					BOGOR JGC	4 Sep 2016	62797F	Transfer	
323	M	14 Jan 2017	233	221	BOGOR JGC	14 Jan 2017	NONE	Birth	Jatna
					PUNTANG	24 Oct 2017	_____	Release	
324	F	~ 2016	WILD	WILD	WILD	~ 2016	NONE	Birth	Gomey
					BOGOR JGC	24 Feb 2017	627CC0	Transfer	
325	F	12 Apr 2017	301	219	BOGOR JGC	12 Apr 2017	628E43	Birth	Maral
					PUNTANG	~ 1 Jan 2019	_____	Release	
326	M	~ 2016	WILD	WILD	WILD	~ 2016	NONE	Birth	Mei
					BOGOR JGC	20 Oct 2017	627B7C	Transfer	
327	F	28 Apr 2018	302	266	BOGOR JGC	28 Apr 2018	NONE	Birth	Billy Putri
328	F	~ 2013	WILD	WILD	WILD	~ 2013	NONE	Birth	Joy
					BOGOR JGC	12 Aug 2018	NONE	Transfer	

TOTALS: 149.153.12 (314)

Location Glossary - JAVAN GIBBON Studbook

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Location Glossary - JAVAN GIBBON Studbook

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Location Glossary - JAVAN GIBBON Studbook

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Location Glossary - JAVAN GIBBON Studbook

PRIVATE Private Collection

PUBLIC General Public

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ROBISON Robison Brothers (Extinct)
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RUSHDEN Ravensden Zoo Ltd. (extinct Dec 1999)
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SYDNEY Taronga Zoo
PO Box 20, Mosman, New South Wales, Australia, 2088
+61.2.9978.4767 fax: +61.2.99784.613 sbrice@zoo.nsw.gov.au
Contact: Ms. Sara Brice

TILBURG Dierenpark de Oliemeulen (Zoo Tilburg)
Reitse Hoevenstraat 30, Tilburg, North Brabant, The Netherlands, 5042 EH
verhoeven.esther@hotmail.com
Contact: Ms Esther Verhoeven

UNKNOWN Unknown Location

VALLEYZOO Valley Zoo & John Janzen Nature Center
c/o Park and Rec. Dept., Edmonton, Alberta, Canada, T5J 2R7
+1.780.496.6941 fax: +1.780.944.7529 dean.treichel@edmonton.ca
Contact: Ms. Sandy Helliker

VANLEEK Ark Animal Exchange
Vanleek Hill, Ontario, Canada

W PALM BE Lion Country Safari Inc - Florida
2003 Lion Country Safari Rd., Loxahatchee, Florida, USA, 33470-3976
+1.561.793.1084.x174 fax: +1.561.793.9603 records@lioncountrysafari.com
Contact: Asheleigh Kandrac

W REED Walter Reed Army Research Inst
Washington, District Of Columbia, USA

WELLINGTN Wellington Zoo Trust
200 Daniell St., Newtown, Wellington, New Zealand, 6021
+64.4.803.0767 fax: +64.4.803.0777 simon.eyre@wellingtonzoo.com
Contact: Simon Eyre

Location Glossary - JAVAN GIBBON Studbook

WILD Wild Population

WINNIPEG Assiniboine Park Zoo
2595 Roblin Boulevard, Winnipeg, Manitoba, Canada, R3P 2N7
+1.204.927.8012 jdack@assiniboinepark.ca
Contact: Jenith Dack

YOGYAKART Gembira Loka Zoo (Yogyakarta Zoo)
Jl. Kebun Raya No. 2, Yogyakarta, Indonesia, 55171
+62.274.373861 fax: +62.274.384666
Contact: Paidi Kiswosuwarno

ZEEHANDLR Fred Zeehandelaar Inc
6 Sickles Ave., New Rochelle, New York, USA, 10801
+1.914.636.2096 fax: +1.914.636.0527

ZOO OBJED Zooobjedinenije (Moscow Zoo Center)
Malaya Bronnaya, 24, Moscow, Russian Fed, 103001

Total number of institutions: 74

Current Javan gibbon pairings

1 message

Holly Thompson <holly.thompson@dbca.wa.gov.au>
To: Gabi Skollar <Gabi@gibboncenter.org>

Tue, Mar 11, 2025 at 10:26 PM

OFFICIAL

Hi Gabi

Hope you're well? I love seeing all the beautiful gibbon pictures.

Could you please let me know your current gibbon pairings and if you are trying to actively breed any?

I had some good discussions with the EEP coordinators and there may be a possibility for them to import, best candidate would be Lela.

What are your thoughts?

Thanks

Holly

Holly Thompson Supervisor Zoology: Primates and Elephants

SMP Javan Gibbon Species Coordinator and WAZA International Studbook Keeper

SMP White-cheeked Gibbon Species Coordinator and SMP Primate TAG Co-convenor

t: 08 9474 0380 | **e:** holly.thompson@dbca.wa.gov.au

post: PO Box 489, South Perth, Western Australia 6951 | **visit:** Perth Zoo, 20 Labouchere Road, South Perth, Western Australia

Duke Gibbon Plans

15 messages

Jessica Hoffman <jhoffman@greensboroscience.org> Mon, Jun 15, 2020 at 9:07 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>, Gabi Skollar <gabi@gibboncenter.org>
Cc: Amanda Bissert <abissert@greensboroscience.org>

Hi Holly and Gabi-
First off, I hope this email finds you both well during these crazy and unprecedented times. I am writing to you both to discuss Duke and where our future plans might be with him. Holly, I know we had started talking a while back about the possibility of him going to Tasmania. However, I'm growing concerned about how feasible that really is any more given all the new limitations we are facing with finances, international travel, airline restrictions, virus concerns, etc... I wouldn't have minded waiting longer and seeing how things play out however, we have started to see increased aggression from the family unit towards Duke and I fear we may soon run out of time and need to find an alternate arrangement for him. His mom has been observed multiple times now showing aggressive behavior towards him and has started to get physical with him and pin him down on occasion. Just recently, we started also seeing Leon show aggressive signs but nothing physical yet. Duke is 7 so we are certainly at the age where he would be getting kicked out of the group. We do not have any alternate holding options here if we do need to seperate so I am thinking we may need to find another US holder option for now, even if it is temporary. Gabi, since Duke is owned by you, I also wanted to include you in this conversation to see if you had any interest or availability to house him before I pursue any other options. Otherwise, Holly, how do you feel about me contacting the Ape TAG group here and see if there is at least a social arrangement option somewhere that could be available for him?
Thoughts?
-Jessica

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

GREENSBORO
SCIENCE CENTER

Gabi Skollar <Gabi@gibboncenter.org> Mon, Jun 15, 2020 at 9:13 AM
To: Alma Rodriguez <Alma@gibboncenter.org>

[Quoted text hidden]
--
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
Wish List for the Gibbon Conservation Center
http://www.gibboncenter.org/
https://soundcloud.com/gibbonconservationcenter
https://www.instagram.com/gibbonconservationcenter/
https://www.facebook.com/GibbonConservationCenter

SSA Zoo Liaison for North America
IUCN SSC Primate Specialist Group
Section on Small Apes
http://www.gibbons.asia/

Holly Thompson <holly.thompson@dbca.wa.gov.au> Mon, Jun 15, 2020 at 8:12 PM
To: Jessica Hoffman <jhoffman@greensboroscience.org>, Gabi Skollar <gabi@gibboncenter.org>
Cc: Amanda Bissert <abissert@greensboroscience.org>

Hi Jessica,

Good to hear from you, I hope you're all well? It is a really difficult time for zoos.

I've been communicating a lot with Beth Richards regarding all things gibbons so definitely link me in with your discussions. Fortwayne Children's Zoo will be in a similar situation with offspring at dispersal. It would be ideal to try and locate a new holder and pair Duke with a female from Fortwayne (born 2015) or GCC forming a non-breeding pair.

To assist the program the AZA really needs 2-3 institutions to join the program. For the small population within Australasia we've managed to get two more zoos on board.

Let me know if you'd like me to email Beth and cc you all in to start conversations for all holding institutions.

Cheers,

Holly

Holly Thompson Supervisor Zoology - Primates
ASMP Javan Gibbon Species Coordinator and WAZA International Studbook Keeper:
ASMP White-cheeked gibbon Species Coordinator and studbook keeper
t: (08) 9474 0380 | **f:** (08) 9474 4166| **e:** holly.thompson@dbca.wa.gov.au **mob:** 0402 001 116

post: PO Box 489, South Perth, Western Australia 6951 | **visit:** Perth Zoo, 20 Labouchere Road, South Perth, WA

From 1 July, Perth Zoo email addresses will be moved to @dbca.wa.gov.au, under the Department of Biodiversity, Conservation and Attractions

Find out more: perthzoo.com.au I e-newsletter I facebook I twitter I Instagram

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From: Jessica Hoffman <jhoffman@greensboroscience.org>
Sent: Tuesday, 16 June 2020 12:07 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>; Gabi Skollar <gabi@gibboncenter.org>
Cc: Amanda Bissert <abissert@greensboroscience.org>
Subject: Duke Gibbon Plans

[External Email] This email was sent from outside the department – be cautious, particularly with links and attachments.

Hi Holly and Gabi-

First off, I hope this email finds you both well during these crazy and unprecedented times. I am writing to you both to discuss Duke and where our future plans might be with him. Holly, I know we had started talking a while back about the possibility of him going to Tasmania. However, I'm growing concerned about how feasible that really is any more given all the new limitations we are facing with finances, international travel, airline restrictions, virus concerns, etc... I wouldn't have minded waiting longer and seeing how things play out however, we have started to see increased aggression from the family unit towards Duke and I fear we may soon run out of time and need to find an alternate arrangement for him. His mom has been observed multiple times now showing aggressive behavior towards him and has started to get physical with him and pin him down on occasion. Just recently, we started also seeing Leon show aggressive signs but nothing physical yet. Duke is 7 so we are certainly at the age where he would be getting kicked out of the group. We do not have any alternate holding options here if we do need to seperate so I am thinking we may need to find another US holder option for now, even if it is temporary. Gabi, since Duke is owned by you, I also wanted to include you in this conversation to see if you had any interest or availability to house him before I pursue any other options. Otherwise, Holly, how do you feel about me contacting the Ape TAG group here and see if there is at least a social arrangement option somewhere that could be available for him?

Thoughts?

-Jessica

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

Jessica Hoffman <jhoffman@greensboroscience.org> Thu, Jun 18, 2020 at 7:17 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Hi Holly-
I've gone ahead and added Beth on to this chain so we are all in the conversation. And Beth, feel free to jump in if I'm wrong, but I'm pretty sure space is a very limiting factor with the two existing AZA Gibbon SSP programs so I don't think there is much likelihood of placing Javan gibbons in any other AZA facilities. At least not any time soon. If we keep these animals in the states, which I think we will have no choice on, we are probably going to need to work with some non-AZA facilities in order to manage the animals here. There are a few potential places I can reach out to that historically were interested in gibbon and had some decent facilities. Let me know if you want me to move forward on that. Otherwise, how would you like to proceed? Based on the behaviors we are seeing towards Duke, I will likely need a solution this year.
Jessica

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

[Quoted text hidden]

Richards, Beth A. <Beth.A.Richards@disney.com> Thu, Jun 18, 2020 at 7:36 AM
To: Jessica Hoffman <jhoffman@greensboroscience.org>, Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, Becky Malinsky <malinskyb@si.edu>

Hi, all,

Unfortunately, we have three exhibits closing and requesting placements for animals later this year and have lost several other exhibits in the past few years, so space is extremely tight for the managed species. We will not be able to accommodate any Javans in AZA space in the near future. I wish we could place a few pairs to give you some breathing room.

Thanks,

BR

Beth Richards

Zoological Manager/Primate-Carnivore Team

Disney's Animal Kingdom

Gibbon SSP Coordinator

(407) 938-2598 office

(321) 263-6341 cell

Days off: Sunday-Tuesday

[Quoted text hidden]

Holly Thompson <holly.thompson@dbca.wa.gov.au> Thu, Jun 18, 2020 at 5:28 PM
To: Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>, Joe Smith <joe.smith@kidszoo.org>

Hi all,

Just linking Joe in from Fort Wayne. Let us know how you go Jessica. Due to non-breeding at this stage due to the holdings being unlikely I can still assist with pairing the right individuals.

I have a zoo that is interested in acquiring from overseas so I'm happy to get this started if you think realistic? Can start with the young offspring so if it takes 2 years we will be all good 😉

Cheers,

Holly

Holly Thompson Supervisor Zoology - Primates
ASMP Javan Gibbon Species Coordinator and WAZA International Studbook Keeper:
ASMP White-cheeked gibbon Species Coordinator and studbook keeper
t: (08) 9474 0380 | **f:** (08) 9474 4166| **e:** holly.thompson@dbca.wa.gov.au **mob:** 0402 001 116

post: PO Box 489, South Perth, Western Australia 6951 | **visit:** Perth Zoo, 20 Labouchere Road, South Perth, WA

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---

From: Jessica Hoffman <jhoffman@greensboroscience.org>
Sent: Thursday, 18 June 2020 10:18 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Gabi Skollar <gabi@gibboncenter.org>; Amanda Bissert <abissert@greensboroscience.org>; Richards, Beth A. <Beth.A.Richards@disney.com>
Subject: Re: Duke Gibbon Plans

[External Email] This email was sent from outside the department – be cautious, particularly with links and attachments.

Hi Holly-

I've gone ahead and added Beth on to this chain so we are all in the conversation. And Beth, feel free to jump in if I'm wrong, but I'm pretty sure space is a very limiting factor with the two existing AZA Gibbon SSP programs so I don't think there is much likelihood of placing Javan gibbons in any other AZA facilities. At least not any time soon. If we keep these animals in the states, which I think we will have no choice on, we are probably going to need to work with some non-AZA facilities in order to manage the animals here. There are a few potential places I can reach out to that historically were interested in gibbon and had some decent facilities. Let me know if you want me to move forward on that. Otherwise, how would you like to proceed? Based on the behaviors we are seeing towards Duke, I will likely need a solution this year.

Jessica

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

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Joe Smith <joe.smith@kidszoo.org> Mon, Jun 22, 2020 at 2:33 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>, Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Holly,

From your email below, I think you are proposing sending our 5 yo female overseas. If so, I'm happy to proceed with that and get the ball rolling for that transaction.

However, I do also have a 7 yo male that will be a more urgent issue for us as he gets displaced from his family group. My situation doesn't sound as dire as Jessica's, but it is something we need to be planning for as soon as possible.

-Joe-

Joe Smith, DVM

Director of Animal Programs

Fort Wayne Children's Zoo

3411 Sherman Blvd.

Fort Wayne, IN 46808

T: 260-427-6246

F: 260-427-6820

Email: joe.smith@kidszoo.org

[Quoted text hidden]

Holly Thompson <holly.thompson@dbca.wa.gov.au> Tue, Jun 23, 2020 at 1:22 AM
To: Joe Smith <joe.smith@kidszoo.org>, Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Hi all,

I'll have a look into options and let you know the best plan for surplus offspring overseas.

Jessica and Gabi would you prefer to avoid international transactions even for younger offspring?

Thanks,

Holly

Holly Thompson Supervisor Zoology - Primates
ASMP Javan Gibbon Species Coordinator and WAZA International Studbook Keeper:
ASMP White-cheeked gibbon Species Coordinator and studbook keeper
t: (08) 9474 0380 | **f:** (08) 9474 4166| **e:** holly.thompson@dbca.wa.gov.au **mob:** 0402 001 116

post: PO Box 489, South Perth, Western Australia 6951 | **visit:** Perth Zoo, 20 Labouchere Road, South Perth, WA

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---

From: Joe Smith <joe.smith@kidszoo.org>
Sent: Tuesday, 23 June 2020 5:33 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>; Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>; Amanda Bissert <abissert@greensboroscience.org>; Richards, Beth A. <Beth.A.Richards@disney.com>
Subject: RE: Duke Gibbon Plans

[External Email] This email was sent from outside the department – be cautious, particularly with links and attachments.

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Holly Thompson <holly.thompson@dbca.wa.gov.au> Mon, Sep 7, 2020 at 7:24 PM
To: Joe Smith <joe.smith@kidszoo.org>, Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Hi all,

Hope you are all well? I have a zoo in Australia that is desperate for a male gibbon. Either Duke or Kado, honestly though we could take both to assist the region's?

Do you think this would be achievable?

Thanks,

Holly

Holly Thompson Supervisor Zoology - Primates
ASMP Javan Gibbon Species Coordinator and WAZA International Studbook Keeper:
ASMP White-cheeked gibbon Species Coordinator and studbook keeper
t: (08) 9474 0380 | **f:** (08) 9474 4166| **e:** holly.thompson@dbca.wa.gov.au **mob:** 0402 001 116

post: PO Box 489, South Perth, Western Australia 6951 | **visit:** Perth Zoo, 20 Labouchere Road, South Perth, WA

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---

From: Joe Smith <joe.smith@kidszoo.org>
Sent: Tuesday, 23 June 2020 5:33 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>; Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>; Amanda Bissert <abissert@greensboroscience.org>; Richards, Beth A. <Beth.A.Richards@disney.com>
Subject: RE: Duke Gibbon Plans

[External Email] This email was sent from outside the department – be cautious, particularly with links and attachments.

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Jessica Hoffman <jhoffman@greensboroscience.org> Tue, Sep 8, 2020 at 6:33 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Joe Smith <joe.smith@kidszoo.org>, Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Hi Holly-
Thanks for reaching out. Glad to hear this facility is looking for gibbons. Now whether or not this is achievable is unknown at this point. Currently in the US- only domestic direct flights are being allowed for any animal transports. I'm not sure how long this will last but, we could start the permitting process and then see where things are at after that point. Also not sure if there are alternate options (FedEx? Crossborder?) for transporters and what this facility can afford financially? They may need to research that first and see if we can even get an animal(s) to Australia right now. Want to have them look into that and let me know?
Jessica

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

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Holly Thompson <holly.thompson@dbca.wa.gov.au> Tue, Sep 8, 2020 at 5:13 PM
To: Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Joe Smith <joe.smith@kidszoo.org>, Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Hi Jessica,

No worries at all, hopefully we can transact a couple of males from your region. I'll discuss with the zoo's – Mogo Zoo and Tasmania Zoo- and get back to you.

I definitely this its wise to start the permit process ASAP.

Cheers,

Holly

From: Jessica Hoffman <jhoffman@greensboroscience.org>
Sent: Tuesday, 8 September 2020 9:34 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Joe Smith <joe.smith@kidszoo.org>; Gabi Skollar <gabi@gibboncenter.org>; Amanda Bissert <abissert@greensboroscience.org>; Richards, Beth A. <Beth.A.Richards@disney.com>
Subject: Re: Duke Gibbon Plans

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Hi Holly-

Thanks for reaching out. Glad to hear this facility is looking for gibbons. Now whether or not this is achievable is unknown at this point. Currently in the US- only domestic direct flights are being allowed for any animal transports. I'm not sure how long this will last but, we could start the permitting process and then see where things are at after that point. Also not sure if there are alternate options (FedEx? Crossborder?) for transporters and what this facility can afford financially? They may need to research that first and see if we can even get an animal(s) to Australia right now. Want to have them look into that and let me know?

Jessica

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

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Joe Smith <joe.smith@kidszoo.org> Wed, Sep 9, 2020 at 7:49 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>, Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Holly,

We are certainly willing to give this a shot.

[Quoted text hidden]

Jessica Hoffman <jhoffman@greensboroscience.org> Wed, Sep 9, 2020 at 10:18 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Joe Smith <joe.smith@kidszoo.org>, Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

K- I will need more specific details for all interested facilities with contact info to start permit.

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

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Joe Smith <joe.smith@kidszoo.org> Sat, Sep 12, 2020 at 12:44 PM
To: Jessica Hoffman <jhoffman@greensboroscience.org>, Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

We checked with a broker we use for exports from Australia to the U.S. about a primate shipment from U.S. to Australia. They didn't think the direct flight from port to port will be an issue. However, the current lack of commercial flights internationally has some of their animal transports from U.S. to Australia lasting as long as 4 days. I suspect some of those flight options might come back in due time. By the time permits are issued, it will be difficult to know what the situation will be.

I think it is worth moving forward with. Are we going to try to move both gibbons out in the same shipment? Or are we working on two separate shipments? That will determine how much Jessica and I need to coordinate.

-Joe-

Joe Smith, DVM

Director of Animal Programs

Fort Wayne Children's Zoo

3411 Sherman Blvd.

Fort Wayne, IN 46808

T: 260-427-6246

F: 260-427-6820

Email: joe.smith@kidszoo.org

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Holly Thompson <holly.thompson@dbca.wa.gov.au> Sun, Sep 13, 2020 at 8:30 PM
To: Joe Smith <joe.smith@kidszoo.org>, Jessica Hoffman <jhoffman@greensboroscience.org>
Cc: Gabi Skollar <gabi@gibboncenter.org>, Amanda Bissert <abissert@greensboroscience.org>, "Richards, Beth A." <Beth.A.Richards@disney.com>

Hi all,

I'll link in Rochelle from Tasmania Zoo and Althea from Mogo Zoo who will acquire the males with Joe and Jessica in a separate email.

I'd imagine both at once may be beneficial for you all?

Cheers,

Holly

From: Joe Smith <joe.smith@kidszoo.org>
Sent: Sunday, 13 September 2020 3:44 AM
To: Jessica Hoffman <jhoffman@greensboroscience.org>; Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Gabi Skollar <gabi@gibboncenter.org>; Amanda Bissert <abissert@greensboroscience.org>; Richards, Beth A. <Beth.A.Richards@disney.com>
Subject: RE: Duke Gibbon Plans

We checked with a broker we use for exports from Australia to the U.S. about a primate shipment from U.S. to Australia. They didn't think the direct flight from port to port will be an issue. However, the current lack of commercial flights internationally has some of their animal transports from U.S. to Australia lasting as long as 4 days. I suspect some of those flight options might come back in due time. By the time permits are issued, it will be difficult to know what the situation will be.

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-Joe-

Joe Smith, DVM

Director of Animal Programs

Fort Wayne Children's Zoo

3411 Sherman Blvd.

Fort Wayne, IN 46808

T: 260-427-6246

F: 260-427-6820

Email: joe.smith@kidszoo.org

From: Jessica Hoffman <jhoffman@greensboroscience.org>
Sent: Wednesday, September 9, 2020 1:18 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Cc: Joe Smith <joe.smith@kidszoo.org>; Gabi Skollar <gabi@gibboncenter.org>; Amanda Bissert <abissert@greensboroscience.org>; Richards, Beth A. <Beth.A.Richards@disney.com>
Subject: Re: Duke Gibbon Plans

K- I will need more specific details for all interested facilities with contact info to start permit.

Jessica Hoffman-Balder
VP Animal Care and Welfare
Ph: (336) 288-3769 x1312 • Fax: (336) 288-2531
4301 Lawndale Drive, Greensboro, NC 27455

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> > [Quoted text hidden]

gibbons

17 messages

Gabi Skollar <Gabi@gibboncenter.org> Mon, Feb 21, 2022 at 12:58 PM
To: "Lefaux, Brice" <brice.lefaux@mulhouse-alsace.fr>

Hi Brice,
How are you?
I wanted to reach out and see if there will ever be an opportunity to exchange pileated gibbons with Europe. We currently house one pair and one older female with her three offspring. We want to import an older male to pair with our older female and send her offspring out. We have a 10-year-old housed separately, and the younger offspring are still with their mother, and they get along well for now. In the USA, there are only two other facilities housing Pileteted gibbons.
We have similar issues with Javan gibbons. We have two males housed alone. We would like to import a female and send the other male out at some point. I will check with Holly on the Javan gibbon situation.
As for white-cheeked gibbons, we had several offspring born at the GCC. At some point, we would want to pair our older male Vok with an older female and send out his youngest son, Dennis. But for now, the two get along well.
We are still looking to move to another site, but we now own our current site, so we are not pressed to move. We can take our time to search for another location.
I attached the list of GCC gibbons.
I hope to talk to you soon.
Gabi
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
Wish List for the Gibbon Conservation Center
http://www.gibboncenter.org/
https://soundcloud.com/gibbonconservationcenter
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http://www.gibbons.asia/

GCC Gibbons February 2022.xlsx
14K

Lefaux, Brice <Brice.Lefaux@mulhouse-alsace.fr> Wed, Mar 16, 2022 at 8:10 AM
To: Gabi Skollar <Gabi@gibboncenter.org>
Cc: "Birot, Helene" <Helene.Birot@mulhouse-alsace.fr>, Sarah Gedman <sgedman@bristolzoo.org.uk>

Dear Gabi,

I am so happy to read your message!

I am ok so far and hope you are too?

I cc this message to Hélène Birot EEP coordinator for the Nomascus leucogenys and Sarah Gedman EEP coordinator for the Hylobates pileatus.

We are looking in these two EEPs to increase the Gene diversity of the populations and are ready exchange if it will do so. I notice that the pileated gibbon from your institution may be related some how to the European population so Sarah may investigate that further to see.

As you remember, the main concern in Europe in the lack of space , all gibbon EEPs are struggling to place animals. We would be more than happy to send out some animals from the Nomascus leucogenys EEP at least and we have to do it in coordination with the SSP of the AZA of course.

You are now all inform and in contact So let's begin fruitful discussion and see what we can do to help us each other!

With my very best regards

Brice

https://intranet-ext2.mulhouse.fr/signatures/LogoZoo.gif

Dr Vet. Brice LEFAUX
Directeur
Parc zoologique et botanique de Mulhouse
EAZA Secretary
Gibbon TAG Chair
IUCN PSG Member
Tél. (036977) 6568

Brice.Lefaux@mulhouse-alsace.fr

www.zoo-mulhouse.fr

https://intranet-ext2.mulhouse.fr/signatures/logo_Agglo.gif

Pensez environnement !

Eco- **N'imprimez ce mail que si c'est vraiment nécessaire.**

De : Gabi Skollar <Gabi@gibboncenter.org>
Envoyé : lundi 21 février 2022 21:58
À : Lefaux, Brice <Brice.Lefaux@mulhouse-alsace.fr>
Objet : [EXT] gibbons

[Quoted text hidden]

Sarah Gedman <sgedman@bristolzoo.org.uk> Fri, Mar 18, 2022 at 7:51 AM
To: "Lefaux, Brice" <Brice.Lefaux@mulhouse-alsace.fr>, Gabi Skollar <Gabi@gibboncenter.org>
Cc: "Birot, Helene" <Helene.Birot@mulhouse-alsace.fr>

Hi Gabi,

Thank you for getting in contact. It is lovely to speak with you and have the opportunity to work through this together.

Could I have your current list of animals to make sure I have linked the correct individuals to my studbook for gene analysis, as a starting point? The attachment you sent to Brice does not appear to have copied over. Also could you clarify which animals are housed with who?

Many thanks and all the very best.

Sarah

Sarah Gedman

Team Leader of Large Mammals

EAZA EEP co-ordinator: Pileated gibbon

Species committee: Black howler monkey

Bristol Zoo Gardens
Clifton, Bristol, BS8 3HA
T: 0117 4285 380
sgedman@bristolzoo.org.uk

From: Lefaux, Brice <Brice.Lefaux@mulhouse-alsace.fr>
Sent: 16 March 2022 15:10
To: Gabi Skollar <Gabi@gibboncenter.org>
Cc: Birot, Helene <Helene.Birot@mulhouse-alsace.fr>; Sarah Gedman <sgedman@bristolzoo.org.uk>
Subject: [EXT]RE: gibbons

Dear Gabi,

I am so happy to read your message!

I am ok so far and hope you are too?

I cc this message to Hélène Birot EEP coordinator for the Nomascus leucogenys and Sarah Gedman EEP coordinator for the Hylobates pileatus.

We are looking in these two EEPs to increase the Gene diversity of the populations and are ready exchange if it will do so. I notice that the pileated gibbon from your institution may be related some how to the European population so Sarah may investigate that further to see.

As you remember, the main concern in Europe in the lack of space , all gibbon EEPs are struggling to place animals. We would be more than happy to send out some animals from the Nomascus leucogenys EEP at least and we have to do it in coordination with the SSP of the AZA of course.

You are now all inform and in contact So let's begin fruitful discussion and see what we can do to help us each other!

With my very best regards

Brice

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Brice.Lefaux@mulhouse-alsace.fr

www.zoo-mulhouse.fr

https://intranet-ext2.mulhouse.fr/signatures/logo_Agglo.gif

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Gabi Skollar <Gabi@gibboncenter.org> Sun, Mar 20, 2022 at 10:33 PM
To: Sarah Gedman <sgedman@bristolzoo.org.uk>
Cc: "Lefaux, Brice" <brice.lefaux@mulhouse-alsace.fr>, "Birot, Helene" <Helene.Birot@mulhouse-alsace.fr>

Thank you, Brice, for the introduction,
Hi Sarah,
I attached the list of the GCC animals.
I also attached the Specimen Reports for our pileated gibbons.
Let me know if you have any questions.
Thanks,
Gabi
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
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7 attachments

- **GCC Gibbons February 2022.xlsx** 14K
- **Howard.pdf** 114K
- **Boo.pdf** 113K
- **Tuk.pdf** 115K
- **Iszie.pdf** 113K
- **Truman.pdf** 628K
- **Violet.pdf** 534K

Sarah Gedman <sgedman@bristolzoo.org.uk> Mon, Mar 21, 2022 at 2:54 AM
To: Gabi Skollar <Gabi@gibboncenter.org>
Cc: "Lefaux, Brice" <brice.lefaux@mulhouse-alsace.fr>, "Birot, Helene" <Helene.Birot@mulhouse-alsace.fr>

Thanks Gabi,

These were the animals I suspected. You are blessed with so many gibbons!

I am in discussion with a potential new holder of pileated. I am waiting for a few details on their holdings, and then subsequent species committee approval. If all is well, I believe that I would be able to find space for a couple of your young females, to start new viable breeding pairs with some young males, here in Europe and send you their father as a companion animal for Tuk. An exciting prospect.

I will keep you updated ASAP and then ask Brice for guidance on our next steps.

All the best

[Quoted text hidden]
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Sarah Gedman <sgedman@bristolzoo.org.uk> Fri, Apr 1, 2022 at 4:56 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi,

I hope you are well. A quick query.

We have a gender bias within the pileated gibbon EEP. We have many surplus males. Therefore I would very much to introduce your females to the EEP however am unlikely to have space for male offspring.

I wondered if you had any plans for Howard? My concerns is if I send you a companion older male for Tuk, he may be aggressive towards Howard. We have had this problem recently in France with a new male, trying to kill the former male's offspring. Do you have any options for Howard within the US?

Many thanks

Sarah

Sarah Gedman

Team Leader of Large Mammals

EAZA EEP co-ordinator: Pileated gibbon

Species committee: Black howler monkey

Bristol Zoo Gardens
Clifton, Bristol, BS8 3HA
T: 0117 4285 380
sgedman@bristolzoo.org.uk

From: Gabi Skollar <Gabi@gibboncenter.org>
Sent: 21 March 2022 05:33
To: Sarah Gedman <sgedman@bristolzoo.org.uk>
Cc: Lefaux, Brice <brice.lefaux@mulhouse-alsace.fr>; Birot, Helene <Helene.Birot@mulhouse-alsace.fr>

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Sarah Gedman <sgedman@bristolzoo.org.uk> Mon, Apr 18, 2022 at 3:57 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi,

I was wondering if you had received my previous email?

If we are to move some of your animals to Europe, I will need to start the process my end. Could you tell me if AZA has a SSP in place for pileated? If yes them moving the animals would simply need to be an agreement between the EEP and the SPP. I would need to make contact with them if you have any details?

If pileated are not part of an SSP then this is ok too, I will just need to fill in some form smy end to be reviewed by the EEP committee

All the best

Sarah

From: Gabi Skollar <Gabi@gibboncenter.org>
Sent: 21 March 2022 05:33
To: Sarah Gedman <sgedman@bristolzoo.org.uk>
Cc: Lefaux, Brice <brice.lefaux@mulhouse-alsace.fr>; Birot, Helene <Helene.Birot@mulhouse-alsace.fr>
Subject: [EXT]Re: [EXT]RE: gibbons

[Quoted text hidden]

Gabi Skollar <Gabi@gibboncenter.org> Mon, Apr 18, 2022 at 11:00 PM
To: Sarah Gedman <sgedman@bristolzoo.org.uk>

Hi Sarah,
I am sorry, my reply stayed in my draft folder for some reason.
Luckily we have more females in the USA than males, and we can pair Howard when he is a little bit older. We introduce gibbons with protective contact and supervision, and by the time a new male arrives and go through quarantine Howard most likely will be in the age to move out.
Pileated gibbons are not an SSP species, and I believe only two other zoos in the USA have them.
Thank you!
Gabi
[Quoted text hidden]
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[Quoted text hidden]

Sarah Gedman <sgedman@bristolzoo.org.uk> Mon, Apr 25, 2022 at 2:13 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi,

Thanks so much. I will contact EAZA and hope to start the process. I will keep you posted.

Thanks again

Sarah

Sarah Gedman

Team Leader of Large Mammals

EAZA EEP co-ordinator: Pileated gibbon

Species committee: Black howler monkey

Bristol Zoo Gardens
Clifton, Bristol, BS8 3HA
T: 0117 4285 380
sgedman@bristolzoo.org.uk

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Sarah Gedman <sgedman@bristolzoo.org.uk> Mon, May 9, 2022 at 3:51 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi,

I hope you are well. We have contacted Beth, the gibbon SSP coordinator, for the US. Beth is happy that it will not benefit or harm the gibbon managed species programs if we exchange animals with you. This is good new as it means we can begin the process of your participation within the EEP as a non- EAZA member.

Please could you familiarise yourself with EAZA Population Management Manual, in particular chapter 3 Working procedures for EEPs and ESBs, that explains the functioning of EEPs and the requirements of yourself as a proposed participant. Please let me know if you are confident the GGC can adhere to the requirements of EEP participation.

If you are happy to comply then please complete the attached European Union's General Data Protection Regulation (GDPR) form attached.

The European gibbon TAG chair has also approved your participation. Great news! I will need subsequent approval from the pileated gibbon species committee. Could I have some images and details of the holding space you would use for the male you have requested from the EEP as a companion animal for TUK, that I can send onto them?

Could I also ask if you participate in any other EEP's and if you would plan to send your animals to the pileated EEP on loan?

Once I have this information from you I can complete the application form for your participation within the EEP which I will forward to the EEP committee for approval.

That's enough acronyms for one day! Thanks so much for you cooperation. Once all the paperwork is out of the way we can work on recommendations for your gibbons.

All the very best.

Sarah

From: Gabi Skollar <Gabi@gibboncenter.org>
Sent: 19 April 2022 07:01

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2 attachments

EAZA Population Management Manual_V4.2.pdf
4581K

non EAZA EEP participation GDPR form.docx
255K

Sarah Gedman <sgedman@bristolzoo.org.uk> Tue, May 17, 2022 at 2:35 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi,

I just wanted to make sure you had received my email as I know sometimes I end up in your spam folder ☺

Sarah

Sarah Gedman

Team Leader of Large Mammals

EAZA EEP co-ordinator: Pileated gibbon

Species committee: Black howler monkey

Bristol Zoo Gardens
Clifton, Bristol, BS8 3HA
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sgedman@bristolzoo.org.uk

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Gabi Skollar <Gabi@gibboncenter.org> Tue, May 17, 2022 at 11:06 AM
To: Sarah Gedman <sgedman@bristolzoo.org.uk>

Hi Sarah,
The GCC participated in other EEPs in the past for northern white-cheeked gibbons and Javan Gibbons.
We plan to donate our females to the receiving organization, not as loans.
I read through the manual, and I am confident the GCC can adhere to the requirements of EEP participation.
I attached our pileated gibbons' enclosure dimension and drawing, and I am attaching pictures in a few emails.
The permit process by the USA Fish and Wildlife can take a very long time. Sometimes over a year. I reached out to a few zoos that are in the process of sending gibbons out of the USA, and they confirmed the processing time and also the necessary paperwork.
Thank you!
Gabi

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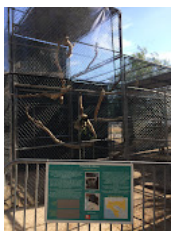
4 attachments



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6298K

IMG_7628.jpeg
6166K

Tuk-Izzie Current Dimensions.pdf
897K

non EAZA EEP participation GDPR form (1).pdf
622K

Gabi Skollar <Gabi@gibboncenter.org> Tue, May 17, 2022 at 11:31 AM
To: Sarah Gedman <sgedman@bristolzoo.org.uk>

Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
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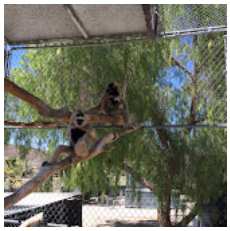
2 attachments



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6512K

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17550K

Gabi Skollar <Gabi@gibboncenter.org> Tue, May 17, 2022 at 11:36 AM
To: Sarah Gedman <sgedman@bristolzoo.org.uk>

Misters

Gabriella Skollar

Director
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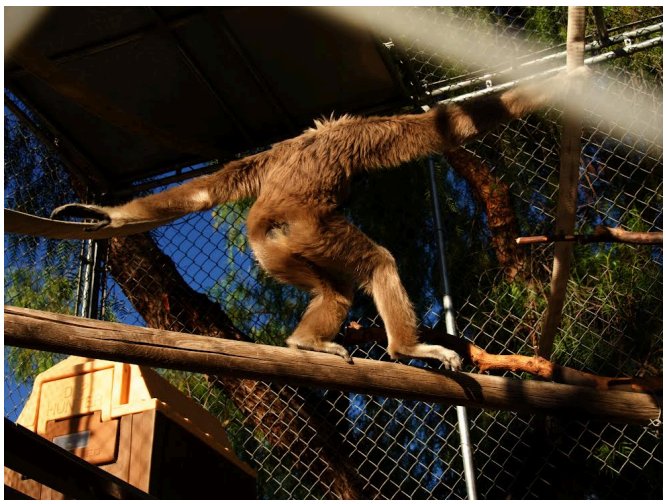
14191K

Gabi Skollar <Gabi@gibboncenter.org> Tue, May 17, 2022 at 11:39 AM
To: Sarah Gedman <sgedman@bristolzoo.org.uk>



Insulated and heated sleeping box.
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
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Email: gabi@gibboncenter.org
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Sarah Gedman <sgedman@bristolzoo.org.uk> Fri, May 20, 2022 at 4:42 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Fantastic.

Thanks so much Gabi. The pictures look so gloriously sunny! I will forward them onto the species committee for approval.

Yes approx. a year sounds about right. Can I confirm if you wish to donate just two of your young females, or all three?

Kind regards

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Dr Vet. Brice LEFAUX
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N'imprimez ce mail que si c'est vraiment nécessaire.

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1K

Gabi Skollar <Gabi@gibboncenter.org> Fri, May 20, 2022 at 7:17 AM
To: Sarah Gedman <sgedman@bristolzoo.org.uk>

Hi Sarah,
Just two. Violet is paired up at the GCC.
Thank you!
Gabi
[Quoted text hidden]

Javan Baby

3 messages

Gabi Skollar <Gabi@gibboncenter.org> Sat, Jul 8, 2023 at 11:53 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>

Hi Holly,
On Sunday morning, Oula surprised us with a baby. She has a contraceptive implant, which only needs to be replaced in November. They last for two years normally. We use MGA implants, and they usually work very well. It was a difficult birth; the baby was born with face presentation. He was hanging from the umbilical cord, and she didn't try to pick him up; she looked scared of him or thought it was stillborn. The baby fell 12 feet to the ground; I went in and picked him up. As I stepped outside the enclosure, he started to move and tried to take some breaths. I didn't think he would make it, but he is doing well. We just did an X-ray yesterday to see if everything ok. He is being hand-reared, and we hope we can reintroduce him. Both Medina and Oula show some interest in him. It would be great if Oula could develop some maternal skills with this baby, and once she is with Hercules or another male, she will do better. We will start her on a pill until her next exam is scheduled to see what happened with the implant.
How was the meeting with EAZA and Aspinall? How was your trip to Java?
Thanks,
Gabi
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
http://www.gibboncenter.org/

Holly Thompson <holly.thompson@dbca.wa.gov.au> Sun, Jul 9, 2023 at 7:50 PM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi

Thanks for letting me know. Sorry to hear it was a traumatic birth and you have needed to intervene. Does Medina have experience with offspring or is this a first for both of them?

It's so important for her to learn so hopefully she can get good exposure to the infant.

Discussions went well however we haven't heard since approving a couple of gibbons to get to Java. These were from Aspinall UK only. I suspect if any other gibbons identified would have to go to Aspinall UK then to the wild which is a long process for the individual gibbon. If this were an option would you be interested?

Java was great, so nice to reconnect with everyone. I really like seeing the work the Gibbon Conservation Society are doing in Malaysia too.

I'm really worried about the Javan gibbon program and lack of regional support and more holders joining the program.

Hope you're well?

Holly

From: Gabi Skollar <Gabi@gibboncenter.org>
Sent: Sunday, July 9, 2023 2:54 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Subject: Javan Baby

[Quoted text hidden]

Holly Thompson <holly.thompson@dbca.wa.gov.au> Sun, Sep 10, 2023 at 6:46 PM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi

How are you going and how is the baby? He looks very cute!

Planning an online gibbon catch up next month so stay tuned 😊

Cheers

Holly

From: Gabi Skollar <Gabi@gibboncenter.org>
Sent: Sunday, July 9, 2023 2:54 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Subject: Javan Baby

Hi Holly,

[Quoted text hidden]

[Quoted text hidden]

Javan gibbon Lela

9 messages

Holly Thompson <holly.thompson@dbca.wa.gov.au> Thu, Apr 20, 2023 at 10:16 PM
To: "Gabi@gibboncenter.org" <Gabi@gibboncenter.org>

Hi Gabi

How are you going? Jessica let me know Lela will be joining you this year. What male will she be paired with?

Thanks

Holly

Holly Thompson Supervisor Zoology Life Sciences: Primates and Elephants
ASMP Javan gibbon Species Coordinator and WAZA International Studbook Keeper:
ASMP White-cheeked gibbon Species Coordinator
t: (08) 9474 0380 | **e:** holly.thompson@dbca.wa.gov.au **mob:** 0402 001 116

post: PO Box 489, South Perth, Western Australia 6951 | **visit:** Perth Zoo, 20 Labouchere Road, South Perth, WA

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

Perth Zoo
SAVING WILDLIFE

Gabi Skollar <Gabi@gibboncenter.org> Thu, Apr 20, 2023 at 10:31 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>

Hi Holly,
She will be with Goliath for companionship.
Is Singapore still interested in housing Javan gibbons. Winston and Medina are Hepatitis B negative, if there is negative female available anywhere, they could go there. Also, a small zoo in Germany expressed interest in housing Javan gibbons. They are not part of EAZA, but they housed gibbons before.
Thanks,
Gabi
[Quoted text hidden]
--
Gabriella Skollar

Director
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PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
http://www.gibboncenter.org/

Holly Thompson <holly.thompson@dbca.wa.gov.au> Thu, Apr 20, 2023 at 11:02 PM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi

Great outcome. Are you interested in sending any gibbons to Java? I have been having discussions with EAZA and Aspinall and we have another meeting next week. I am making sure our regions are prioritised for transfer options.

We wouldn't recommend transfers to a non-accredited European zoo and I am aware of issues EAZA coordinators are having with zoos reaching out to other places to get animals. If they want to join the program they need to be a part of EAZA.

I will let you know how meetings go next week.

Cheers

Holly

From: Gabi Skollar <Gabi@gibboncenter.org>
Sent: Friday, April 21, 2023 1:31 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>
Subject: Re: Javan gibbon Lela

[External Email] This email was sent from outside the department – be cautious, particularly with links and attachments.

[Quoted text hidden]

Gabi Skollar <Gabi@gibboncenter.org> Thu, Apr 20, 2023 at 11:43 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>

Hi Holly,
Yes, we are still interested in sending gibbons to Java. We feel Medina perhaps aged out of the program. He is 21 years old, in great health. Has a natural shyness towards people, hardly ever goes on the ground, great with any female, can produce offspring, he was a great dad. Winston is turning 12, had a foot injury, but otherwise in great health. Could be another candidate. Goliath is too friendly with people.
Thank you!
Let me know how the meeting goes!
Gabi
[Quoted text hidden]

Holly Thompson <holly.thompson@dbca.wa.gov.au> Tue, Apr 25, 2023 at 8:40 PM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi

We would determine the gibbons based on the following:

- Individuals should have high MK values and a low MK rank to minimise the negative impact on the population
- age should be between 6 to 8 years for optimal success of potential reintroduction
- no females due to the demographic structure of the EAZA population

Are you not breeding at the moment? And would you be in a position to work on transfers overseas?

I'll let you know how the meeting goes.

Katie and I are going to Malaysia, Java and Sumatra next month and will go to The Javan Gibbon Centre and Aspinall's Java project.

[Quoted text hidden]

Gabi Skollar <Gabi@gibboncenter.org> Tue, Apr 25, 2023 at 10:14 PM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>

Hi Holly,
I hope Aspinall will be willing to work with everyone to help the Javan population.
Yes, we are willing to work on transfers overseas.
We are not breeding currently. We still need to send out two pileated females and would love to send out a male white-cheeked gibbon, Dennis.
How are things at the Javan Gibbon Center? Do you think the sanctuary eventually needs to be relocated?
Gabi
[Quoted text hidden]
[Quoted text hidden]

Holly Thompson <holly.thompson@dbca.wa.gov.au> Wed, Apr 26, 2023 at 3:02 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Hi Gabi

Ok great I will keep you posted. The centre is going ok but I suspect will get more into habitat protection in coming years and either relocate or close down.

What are Dennis's details?

[Quoted text hidden]

Gabi Skollar <Gabi@gibboncenter.org> Wed, Apr 26, 2023 at 7:34 AM
To: Holly Thompson <holly.thompson@dbca.wa.gov.au>

Hi Holly,
Dennis is Vok and Ricky's youngest son, he became dominant over his father, he is currently housed next to his sister.
Thanks,
Gabi
[Quoted text hidden]

Holly Thompson <holly.thompson@dbca.wa.gov.au> Wed, Apr 26, 2023 at 4:32 PM
To: Gabi Skollar <Gabi@gibboncenter.org>

Thanks Gabi

[Quoted text hidden]

Javan Gibbons

2 messages

Gabi Skollar <Gabi@gibboncenter.org> Fri, Apr 22, 2022 at 3:10 PM
To: "jen.diehl@kidszoo.org" <jen.diehl@kidszoo.org>

Hello,
I wanted to ask your advice on sending out one or two of our Javan Gibbons and possibly importing one to the GCC. Holly mentioned you are in the process of sending out one. What stage are you in at the moment? How is the process going? Is there any delay in processing the application at the US Fish and Wildlife? How is the family doing right now?
Thank you!
Sincerely
Gabi
Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
Wish List for the Gibbon Conservation Center
http://www.gibboncenter.org/
https://soundcloud.com/gibbonconservationcenter
https://www.instagram.com/gibbonconservationcenter/
https://www.facebook.com/GibbonConservationCenter

SSA Zoo Liaison for North America
IUCN SSC Primate Specialist Group
Section on Small Apes
http://www.gibbons.asia/

Jen Diehl <jen.diehl@kidszoo.org> Mon, Apr 25, 2022 at 5:25 AM
To: Gabi Skollar <Gabi@gibboncenter.org>

Gabi,

I am waiting for additional information from the receiving institution to finish putting together our USFWS export permit. This for me has been the most difficult part so far since our government appears to require a LOT more information and take WAY longer to approve permits compared to other countries, and I am having trouble conveying that difference. I am guessing it will take at least a year once the permit application is submitted to get approval.

I reached out to Jessica Hoffman at Greensboro in March since we were both recommended to export gibbons at the same time. She applied in November of 2020, 8 month later USFWS asked a few questions, and as of March 2022 she was still waiting. I have not heard any further updates from her.

The institution we are exporting to has a great broker so I am comfortable with transfer planning and crates, it is the permitting process that has caused a huge delay.

Attached is an email to/from USFWS to confirm which permit application we needed to complete.

Hope that helps a bit!

Jen

Jen Diehl, RVT
Registrar
jen.diehl@kidszoo.org
260.427.6079

Fort Wayne Children's Zoo
3411 Sherman Blvd., Fort Wayne IN 46808
kidszoo.org
Connecting Kids and Animals, Strengthening Families and Inspiring People to Care

[Quoted text hidden]

---------- Forwarded message ----------
From: "Management Authority, FWHQ" <ManagementAuthority@fws.gov>
To: Jen Diehl <jen.diehl@kidszoo.org>
Cc:
Bcc:
Date: Wed, 15 Dec 2021 18:52:17 +0000
Subject: Re: [EXTERNAL] CITES I and ESA Listed Javan Gibbon Export Permit Question
Hello Ms. Diehl,

Yes, you will need to complete a 3-200-37a application for the live export of a CITES appendix I and U.S. Endangered Species Act listed animal.

You may fall under both question 12 and 13 or only under question 13 depending on the proposed purpose of exporting the animal. If question 12 also applies, please provide the information requested in addition to the information for question 13. Information provided must address each of the points in question 13 a-d. If your email provides information regarding each of these it may be acceptable, however it is likely that a more in-depth plan or report will be necessary. The receiving facility in Australia will need to provide thorough answers to each point. A document similar to the AZA SSP Breeding and Transfer Plan would be best.

Regarding the Australian import permit, you are correct that you are required to provide either a copy of an issued permit, or evidence that one will be issued by the Management Authority of Australia, before you can apply for a U.S. export permit.

Thank you.

****

U.S. Fish and Wildlife Service
International Affairs Program
Division of Management Authority
http://www.fws.gov/international/permits/
Sign up for our e-newsletter to learn how we're working around the globe to protect species and their habitats!
****
New mailing address:
ATTN DIVISION OF MANAGEMENT AUTHORITY - BRANCH OF PERMITS
U.S. FISH & WILDLIFE SERVICE HEADQUARTERS
MS: IA
5275 LEESBURG PIKE
FALLS CHURCH, VA 22041-3803

From: Jen Diehl <jen.diehl@kidszoo.org>
Sent: Monday, December 13, 2021 4:26 PM
To: Management Authority, FWHQ <ManagementAuthority@fws.gov>
Subject: [EXTERNAL] CITES I and ESA Listed Javan Gibbon Export Permit Question

Good afternoon,

I wanted to ensure that I was completing the correct export permit application.

We have been recommended by the International Javan gibbon studbook keeper to export a male Javan gibbon bred and raised at our zoo to Mogo Wildlife Park in Australia.

Is FWS Form 3-200-37a the correct application? He is CITES I and ESA endangered. I began filling out the application 3-200-24 at first, but realized that did not account for his ESA designation.

Will an email from the International studbook keeper be enough to fulfill question 13? Or would we fall under answering 12 instead? He is being recommended to breed with a female there and being moved as he is becoming too old to stay with his sire and dam. They are ousting him from the family group.

I am still waiting to hear if Australia has or will issue an import permit. If I am reading the application correctly we need to have the import permit first, or know that it will be issued prior to applying for the export permit?

I greatly appreciate your time!

Thanks,

Jen

Jen Diehl, RVT
Registrar
jen.diehl@kidszoo.org
260.427.6079

Fort Wayne Children's Zoo
3411 Sherman Blvd., Fort Wayne IN 46808
kidszoo.org
Connecting Kids and Animals, Strengthening Families and Inspiring People to Care

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Re: [EXTERNAL] CITES I and ESA Listed Javan Gibbon Export Permit Question.eml
58K

OMB Control No. 1018-0093
Expires 08/31/2020

Captive-Bred Wildlife Registration Annual Report for Calendar Year 2020
(due by March 31 of following year)

This information includes activities of all species/subspecies *listed on your registration*, even if they are on loan. **Note**: **Attach a year-end inventory of the listed species (quantity and sex).** This form may be copied. Use of this form is not mandatory; however, the same information must be submitted if using an alternate form. Additional information may be attached to the report.

Permittee: Gibbon Conservation Center

Permit number: MA757434-0

Address: 19100 Esguerra Rd, Santa Clarita, CA 91390

(If location/address has changed since last year, indicate new location and date of change)

Provide the following information for all activities for the species/subspecies listed on your registration:

Type Of Activity[1]	Date Of Activity[2]	Quantity Sex[3] (M/F/?)	Scientific Name[4]	Common Name	Permit No./Name/Complete Address[5]	Comments
Death	06/09/2020	1.0	Hylobates Moloch	Javan Gibbon	Gibbon Conservation Center	Reason for Death: Lung Cancer

Provide a year-end inventory of all specimens covered under your registration by quantity and sex. Include all specimens that are currently on loan outside your facility.

E-MAIL or Mail YOUR REPORT TO: Permits@fws.gov (Reference "CBW Annual Report for PRT #MA_____" in Subject Line) **OR** mail to: Division of Management Authority, Branch of Permits, 5275 Leesburg Pike, MS-IA, Falls Church, VA 22041-3803.

1 Type of activity: Report any activity that affects the number of specimens maintained at your facility -- Births, deaths (include causes and for euthanasia, include reason for euthanasia in comment column) at your facilities, and then list other types of activities (purchase, sale, loan , donation, gift, trade, export).
2 Date of activity is date it occurred, not necessarily the date specimen was born or transferred.
3 Sex (1.0 = Male; 0.1=female; 0.0.1 = Unknown sex).
4 Include only non-native species listed as Endangered or Threatened under the U.S. Endangered Species Act.
5 CBW Registration number and/or name and address of other CBW registrant involved in the transaction.

ENC #	SPECIES	NAME	ID NUMBER	SEX	BIRTHDATE	SIRE	DAM	REARED	Breeding Plan	YEAR IMPORTED	ORIGIN
					International Format	*If known*	*If known*				*Gibbon came to GCC from...*
16	Pileated	Violet	HP189	F	22-Apr-09	Domino	Tuk	Parents	Contracepted	N/A	Born at GCC
16	Pileated	Truman	HP194	M	8-Jun-03	JR	Birute	Parents	Housed with contracepted female	N/A	Born at GCC
1	Javan	Ivan	HMO808	M	1-Jan-74	Wild Born	Wild Born	Human/ Peer	Too old to breed	21-Mar-96	Moscow Zoo
1	Javan	Goliath	HMO882	M	17-Apr-12	Medina	Chloe	Human/ Dam	Important for the Javan gibbon GSMP, will be paired with a female at other facility	N/A	Born at GCC
2	Javan	Khusus	HMO805	F	11-Jan-95	920198	920178	Parents	Contracepted	1-Oct-00	Perth Zoo, Australia
2	Javan	Reg	HMO896	M	29-Jan-00	Shelby	Chloe	Parents	Housed with contracepted female	N/A	Born at GCC
3	Javan	Perak	HMO810	M	16-Nov-01	H91039	H91038	Parents	Housed with contracepted female	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Simpang	HMO807	F	23-May-00	H84031	H84030	Parents	Contracepted	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Hercules	HMO884	M	15-Oct-11	Perak	Simpang	Parents	Important for the Javan gibbon GSMP, will be paired with a female at an AZA facility	N/A	Born at GCC
4B	Javan	Shelby	HMO804	M	18-May-83	750003	750002	Parents	Non-breeding because of health issues	17-Jun-93	Perth Zoo, Australia
4A	Javan	Winston	HMO886	M	25-Aug-11	Shelby	Khusus	Parents	Important for the Javan gibbon GSMP, will be paired with a female at other facility	N/A	Born at GCC
5	Pileated	Tuk	HP103	F	23-Jun-93	820023	820021	Parents	Contracepted	21-May-99	Zurich Zoo, Switzerland
5	Pileated	Howard	HP192	M	7-Dec-17	Domino	Tuk	Parents	Juvenile	N/A	Born at the GCC
5	Pileated	Baby Boo	HP183	F	9-Apr-14	Domino	Tuk	Parents	Juvenile	N/A	Born at the GCC
5	Pileated	Iszie	HP185	F	2-Oct-11	Domino	Tuk	Parents	Juvenile/Will be paired with non-breeding male at other facility	N/A	Born at GCC
6	Eastern Hoolock	Alan Mootnick Jr.	HLE392	M	25-Dec-12	Arthur	Phy Gyi	Parents	Housed with contracepted female	N/A	Born at GCC
6	Eastern Hoolock	Chan Thar	HLE309	F	1-Jan-06	Wild Born	Wild Born	Human/ peer	Contracepted	8-Apr-11	Yangon Zoo, Myanmar
7	Eastern Hoolock	U Maung Maung	HLE308	M	1-Jan-01	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	20-Apr-03	Yangon Zoo, Myanmar
7	Eastern Hoolock	Hmawe Ni	HLE311	F	1-Jan-04	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
8	Javan	Oula	HMO897	F	5-Jan-09	Shelby	Khusus	Parents	Contracepted	N/A	Born at GCC
8	Javan	Medina	HMO892	M	27-Feb-02	Ushko	Khusus	Parents	Housed with contracepted female	N/A	Born at GCC
10	Eastern Hoolock	Betty	HLE305	F	1-Jan-99	Wild Born	Wild Born	Human/ peer	Contracepted	7-Apr-00	Yangon Zoo, Myanmar
10	Eastern Hoolock	Khin Maung Win	HLE398	M	19-Oct-07	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at GCC
11	Eastern Hoolock	Phy Gyi	HLE313	F	1-Jan-03	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
11	Eastern Hoolock	Arthur	HLE304	M	1-Jan-96	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	7-Apr-00	Yangon Zoo, Myanmar
11	Eastern Hoolock	Elwood	HLE390	M	29-Dec-13	Arthur	Phy Gyi	Human/ Parents	Juvenile	N/A	Born at the GCC
11	Eastern Hoolock	Nyi Ma Suu	HL399	F	20-Sep-15	Arthur	Phy Gyi	Parents	Juvenile	N/A	Born at GCC
12	N. White Cheeked	Canter	NL694	M	1-Mar-08	Vok	Ricky	Parents	Paired with Lucia for breeding, important genetically for the Gibbon SSP	N/A	Born at GCC
12	N. White Cheeked	Lucia	NL697	F	28-Oct-09	Sasha	Asteriks	Parents	Paired with Canter for breeding, important genetically for the Gibbon SSP	N/A	Born at GCC
13	N. White Cheeked	Vok	NL600	M	29-Apr-83	780013	810030	Parents	Needs an older female	14-Oct-91	Melbourne Zoo, Australia
13	N. White Cheeked	Dennis	NL690	M	28-Oct-13	Vok	Ricky	Parents	Juvenile	N/A	Born at the GCC
13	N. White Cheeked	Pepper	NL695	F	7-Feb-11	Vok	Ricky	Parents	Will be paired with Nate, important genetically for the Gibbon SSP	N/A	Born at GCC
14	Eastern Hoolock	U Myint Swe	HLE394	M	14-Jul-09	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
14	Siamang	Marlow	SS987	F	12-Feb-05	Monty	Karenina	Parents	Contracepted	N/A	Born at the GCC
15	N. White Cheeked	Asteriks	NL607	F	19-Nov-99	131006	131003	Parents	Breeding Female, important genetically for the Gibbon SSP	9-May-07	Planckendael Zoo, Mechelen, Belgium
15	N. White Cheeked	Nate	NL692	M	2-Apr-12	Sasha	Asteriks	Parents	Will be paired with Pepper, important genetically for the Gibbon SSP	N/A	Born at GCC
15	N. White Cheeked	Pierre	NL606	M	13-Feb-04	C70002	C89001	Parents	Breeding male, important genetically for the Gibbon SSP	12-Feb-09	Parc Zoologique de Cléres, France
15	N. White Cheeked	Anastasia Jolie	NL693	F	8-Jun-19	Pierre	Asteriks	Parents	Infant	N/A	Born at the GCC

Javan Gibbon (*Hylobates moloch*): 10
Male: 7
Female: 3

Eastern Hoolock Gibbon (*Hoolock leuconedys*): 13
Male: 7 (1 on loan)
Female: 6 (1 on loan)

Northern White-Cheeked Gibbon (*Nomascus leucogenys*): 9
Male: 5
Female: 4

Siamang (*Symphalangus syndactylus*): 1
Male: 0
Female: 1

Pileated Gibbon (*Hylobates pileatus*): 6
Male: 2
Female: 4

Expires XX/XX/XXXX
OMB No. 1018-0093

Captive-Bred Wildlife Registration Annual Report for Calendar Year 2021
(due by March 31 of following year)

This information includes activities of all animals at your facility even if they are on loan. Note: **Attach a year-end inventory of all species listed on your registration (quantity and sex).** This form may be copied. Use of this form is not mandatory; however, the same information must be submitted if using an alternate form. Additional information may be attached to the report.

Permittee Gibbon Conservation Center Permit number MA757434-0 Address (If location/address has changed since last year, indicate new location and date of change): 19100 Esguerra Rd, Santa Clarita, CA 91390

Type Of Activity[1]	Date Of Activity[2]	Quantity Sex[3] (M/F/?)	Scientific Name[4]	Common Name	Permit No./Name/Complete Address[5]	Comments
Example: Loan out	4/12/02	1.0	*Elephas maximus*	Asian elephant	San Diego Wild Animal Park	Id no. XXXXXXXX
Death	10/21/21	1.0	Hylobates moloch	Javan Gibbon	Gibbon Conservation Center	Chronic illnes
Birth	10/15/21	0.1	Nomascus leucogenys	Northern white-cheeked gibbon	Gibbon Conservation Center	

MAIL YOUR REPORT TO: CBW Annual Report, USFWS, Division of Management Authority, 4401 N. Fairfax Drive, Rm. 700, Arlington, Virginia 22203

1 Type of activity: Births (if survived more than 30 days), deaths (include causes and for euthanasia, include reason for euthanasia in comment column) at your facilities, and then list other types of activities (purchase, sale, loan, donation, gift, trade, export).
2 Date of activity is date it occurred, not necessarily the date specimen was born or transferred.
3 Sex (1.0 = Male; 0.1=female; 0.0.1 = Unknown sex).
4 Include only non-native species listed as Endangered or Threatened under the U.S. Endangered Species Act.
5 CBW Registration number and/or name and address of other CBW registrant involved in the transaction.

ENC #	SPECIES	NAME	ID NUMBER	SEX	BIRTHDATE	SIRE	DAM	REARED	BREADING PLAN	YEAR IMPORTED	ORIGIN
					International Format	*If known*	*If known*				*Gibbon came to GCC from…*
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4B	Javan	Shelby	HMO804	M	18-May-83	750003	750002	Parents	Housed with male offspring	17-Jun-93	Perth Zoo, Australia
4A	Javan	Winston	HMO886	M	25-Aug-11	Shelby	Khusus	Parents	Housed with male offspring	N/A	Born at GCC
5A	Pileated	Tuk	HP103	F	23-Jun-93	820023	820021	Parents	Housed with juveniles, no adult male	21-May-99	Zurich Zoo, Switzerland
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15	N. White Cheeked	Nate	NL692	M	2-Apr-12	Sasha	Asteriks	Parents	Will be paired with Pepper, important for the Gibbon SSP	N/A	Born at GCC
15	N. White Cheeked	Pierre	NL606	M	13-Feb-04	C70002	C89001	Parents	Breeding male, important genetically for the Gibbon SSP	12-Feb-09	Parc Zoologique de Cléres, France
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Male: 2
Female: 4

OMB Control No. 1018-0093
Expires 08/31/2023

Captive-Bred Wildlife Registration (CBW) Annual Report

Due: March 31st of the following year

Email to: managementauthority@fws.gov referencing "CBW Annual Report YYYY for CBW # MA#####" in subject line.

Permittee Name: Gibbon Conservation Center **Reporting Year:** 2022 **CBW Permit #:** MA757434-1

Complete this form (all three tables) for **ALL live, non-native, ESA-listed species, captive-bred in the U.S., covered under your current CBW registration for the above reporting year** (including individuals you have on loan with another facility, or on loan with you). Do not include non-native ESA-listed species that were not covered on your CBW permit during this year.

Year-end Inventory

Scientific Name (Genus, species, and *if applicable*, subspecies)	**Common Name**	**Quantity**	**Sex/Age Ratio** (male.female.unknown sex, 10.5.2)	**# Births over the reporting year**	**# Deaths over the reporting year**	**Approx Death Date(s) and Cause of Death(s)** (attach necropsy report, as needed)
~~EXAMPLE: *Loxodonta Africana*~~	~~African Elephant~~	~~17~~	~~10.5.2.~~	~~2~~	~~1~~	~~Aug 2019, old age~~
Hylobates moloch	Javan gibbon	9	6.3.0	0	0	
Hylobates pileatus	Pileated gibbon	6	2.4.0	0	0	
Nomascus leucogenys	Northern white-cheeked gibbon	11	6.5.0	2	0	
Hoolock leuconedys	Eastern hoolock gibbon	13 (2 on loan)	7.6.0	0	0	
Symphalangus syndactylus	Siamang	1	0.1.0	0	0	

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

OMB Control No. 1018-0093
Expires 08/31/2023

Activities Conducted

CBW holder is required to disclose **ALL interstate and intrastate purchases, sales, trades, and/or exports** involving species listed under their CBW that occurred during the reporting year.

Scientific Name	**Common Name**	**Activity** (Interstate or intrastate purchases, sales, and/or exports)	**Date of Activity** (mm/dd/yyyy)	**Quantity & Sex/Age** (males.females.unknown sex, 10.8.3)	**Name and Address of the other party Involved in the transaction** (include country if an export)	**CBW # of Registrant Involved in Activity**	**Identification Information** (e.g., studbook #'s, microchip #'s, band #s, etc.)
EXAMPLE: *Loxodonta Africana*	African elephant	Interstate purchase	04/12/2019	1.0.0	Sunland Zoo and Park, 300 Leopard Way, Miami, FL	MA#####	Studbook #: 152

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

OMB Control No. 1018-0093
Expires 08/31/2023

Loans/Gifts/Donations Conducted

CBW holder is required it disclose **ALL loans, donations, and gifts** involving species listed under their CBW that occurred during the reporting year.

Scientific Name	**Common Name**	**Activity** (loans, donations, and gifts)	**Date of Activity** (mm/dd/yyyy)	**Quantity & Sex/Age** (males.females.unknown sex, 10.8.3)	**Name and Address of the other party Involved in the transaction**	**Information on transferred Animal(s)** (studbook #'s, microchip #'s, band #'s, tattoo #'s, etc.)
~~EXAMPLE: *Loxodonta Africana*~~	~~African elephant~~	~~loan~~	~~4/12/2019~~	~~1.0.0~~	~~Sunland Zoo and Park, 300 Leopard Way, Miami, FL~~	~~Studbook # 305 Tattoo yellow 6~~

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

ENC #	SPECIES	NAME	ID NUMBER	SEX	BIRTHDATE	SIRE	DAM	REARED	Breeding Plan	YEAR IMPORTED	ORIGIN
					International Format	*If known*	*If known*				*Gibbon came to GCC from…*
16	Pileated	Violet	HP189	F	22-Apr-09	Domino	Tuk	Parents	Contracepted	N/A	Born at the GCC
16	Pileated	Truman	HP194	M	8-Jun-03	JR	Birute	Parents	Housed with contracepted female	N/A	Born at the GCC
1	Javan	Goliath	HMO882	M	17-Apr-12	Medina	Chloe	Human/ Dam	Important for the Javan gibbon GSMP	N/A	Born at the GCC
2	Javan	Khusus	HMO805	F	11-Jan-95	920198	920178	Parents	Contracepted	1-Oct-00	Perth Zoo, Australia
2	Javan	Reg	HMO896	M	29-Jan-00	Shelby	Chloe	Parents	Housed with contracepted female	N/A	Born at the GCC
3	Javan	Perak	HMO810	M	16-Nov-01	H91039	H91038	Parents	Housed with contracepted female	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Simpang	HMO807	F	23-May-00	H84031	H84030	Parents	Contracepted	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Hercules	HMO884	M	15-Oct-11	Perak	Simpang	Parents	Important for the Javan gibbon GSMP	N/A	Born at the GCC
4	Javan	Winston	HMO886	M	25-Aug-11	Shelby	Khusus	Parents	Important for the Javan gibbon GSMP, will be paired with a female at other facility	N/A	Born at the GCC
5	Pileated	Tuk	HP103	F	23-Jun-93	820023	820021	Parents	Contracepted	21-May-99	Zurich Zoo, Switzerland
5	Pileated	Howard	HP192	M	7-Dec-17	Domino	Tuk	Parents	Juvenile	N/A	Born at the GCC
5	Pileated	Baby Boo	HP183	F	9-Apr-14	Domino	Tuk	Parents	Juvenile	N/A	Born at the GCC
5	Pileated	Iszie	HP185	F	2-Oct-11	Domino	Tuk	Parents	Housed Alone	N/A	Born at the GCC
6	Eastern Hoolock	Alan Mootnick Jr.	HLE392	M	25-Dec-12	Arthur	Phy Gyi	Parents	Housed with contracepted female	N/A	Born at the GCC
6	Eastern Hoolock	Chan Thar	HLE309	F	1-Jan-06	Wild Born	Wild Born	Human/ peer	Contracepted	8-Apr-11	Yangon Zoo, Myanmar
7	Eastern Hoolock	U Maung Maung	HLE308	M	1-Jan-01	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	20-Apr-03	Yangon Zoo, Myanmar
7	Eastern Hoolock	Hmawe Ni	HLE311	F	1-Jan-04	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
8	Javan	Oula	HMO897	F	5-Jan-09	Shelby	Khusus	Parents	Contracepted	N/A	Born at the GCC
8	Javan	Medina	HMO892	M	27-Feb-02	Ushko	Khusus	Parents	Housed with contracepted female	N/A	Born at the GCC
10	Eastern Hoolock	Betty	HLE305	F	1-Jan-99	Wild Born	Wild Born	Human/ peer	Contracepted	7-Apr-00	Yangon Zoo, Myanmar
10	Eastern Hoolock	Khin Maung Win	HLE398	M	19-Oct-07	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
11	Eastern Hoolock	Phy Gyi	HLE313	F	1-Jan-03	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
11	Eastern Hoolock	Arthur	HLE304	M	1-Jan-96	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	7-Apr-00	Yangon Zoo, Myanmar
11	Eastern Hoolock	Elwood	HLE390	M	29-Dec-13	Arthur	Phy Gyi	Human/ Parents	Juvenile	N/A	Born at the GCC
11	Eastern Hoolock	Nyi Ma Suu	HL399	F	20-Sep-15	Arthur	Phy Gyi	Parents	Juvenile	N/A	Born at the GCC
12	N. White Cheeked	Canter	NL694	M	1-Mar-08	Vok	Ricky	Parents	Breeding male, important genetically for the Gibbon SSP	N/A	Born at the GCC
12	N. White Cheeked	Winky	NL694	M	15-Oct-22	Canter	Lucia	Parents	Infant	N/A	Born at the GCC
12	N. White Cheeked	Lucia	NL697	F	28-Oct-09	Sasha	Asteriks	Parents	Breeding Female, important genetically for the Gibbon SSP	N/A	Born at the GCC
13	N. White Cheeked	Vok	NL600	M	29-Apr-83	780013	810030	Parents	Needs an older female	14-Oct-91	Melbourne Zoo, Australia
13	N. White Cheeked	Dennis	NL690	M	28-Oct-13	Vok	Ricky	Parents	Juvenile	N/A	Born at the GCC
13	N. White Cheeked	Pepper	NL695	F	7-Feb-11	Vok	Ricky	Parents	Will be paired with Nate, important genetically for the Gibbon SSP	N/A	Born at the GCC
14	Eastern Hoolock	U Myint Swe	HLE394	M	14-Jul-09	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
14	Siamang	Marlow	SS987	F	12-Feb-05	Monty	Karenina	Parents	Contracepted	N/A	Born at the GCC
15	N. White Cheeked	Asteriks	NL607	F	19-Nov-99	131006	131003	Parents	Breeding Female, important genetically for the Gibbon SSP	9-May-07	Planckendael Zoo, Mechelen, Belgium
15	N. White Cheeked	Nate	NL692	M	2-Apr-12	Sasha	Asteriks	Parents	Will be paired with Pepper, important genetically for the Gibbon SSP	N/A	Born at the GCC
15	N. White Cheeked	Pierre	NL606	M	13-Feb-04	C70002	C89001	Parents	Breeding male, important genetically for the Gibbon SSP	12-Feb-09	Parc Zoologique de Cléres, France
15	N. White Cheeked	Anastasia Jolie	NL693	F	8-Jun-19	Pierre	Asteriks	Parents	Infant	N/A	Born at the GCC
15	N. White Cheeked	Ms. Roderick	NL691	F	25-Mar-22	Pierre	Asteriks	Parents	Infant	N/A	Born at the GCC

OMB Control No. 1018-0093
Expires 08/31/2023

Captive-Bred Wildlife Registration (CBW) Annual Report

Due: March 31st of the following year

Email to: managementauthority@fws.gov referencing "CBW Annual Report YYYY for CBW # MA#####" in subject line.

Permittee Name: Gibbon Conservation Center **Reporting Year:** 2023 **CBW Permit #:** MA757434-1

Complete this form (all three tables) for **ALL live, non-native, ESA-listed species, captive-bred in the U.S., covered under your current CBW registration for the above reporting year** (including individuals you have on loan with another facility, or on loan with you). Do not include non-native ESA-listed species that were not covered on your CBW permit during this year.

Year-end Inventory

Scientific Name (Genus, species, and *if applicable*, subspecies)	**Common Name**	**Quantity**	**Sex/Age Ratio** (male.female.unknown sex, 10.5.2)	**# Births over the reporting year**	**# Deaths over the reporting year**	**Approx Death Date(s) and Cause of Death(s)** (attach necropsy report, as needed)
~~EXAMPLE:~~ ~~*Loxodonta Africana*~~	~~African Elephant~~	~~17~~	~~10.5.2.~~	~~2~~	~~1~~	~~Aug 2019, old age~~
Hylobates moloch	Javan gibbon	11	7.4.0	1	0	
Hylobates pileatus	Pileated gibbon	6	2.4.0	0	0	
Nomascus leucogenys	Northern white-cheeked gibbon	11	6.5.0	0	0	
Hoolock leuconedys	Eastern hoolock gibbon	13 (2 on loan)	7.6.0	0	0	
Symphalangus syndactylus	Siamang	1	0.1.0	0	0	

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

OMB Control No. 1018-0093
Expires 08/31/2023

Activities Conducted

CBW holder is required to disclose **ALL interstate and intrastate purchases, sales, trades, and/or exports** involving species listed under their CBW that occurred during the reporting year.

Scientific Name	**Common Name**	**Activity** (Interstate or intrastate purchases, sales, and/or exports)	**Date of Activity** (mm/dd/yyyy)	**Quantity & Sex/Age** (males.females.unknown sex, 10.8.3)	**Name and Address of the other party Involved in the transaction** (include country if an export)	**CBW # of Registrant Involved in Activity**	**Identification Information** (e.g., studbook #'s, microchip #'s, band #s, etc.)
EXAMPLE: *Loxodonta Africana*	African elephant	Interstate purchase	04/12/2019	1.0.0	Sunland Zoo and Park, 300 Leopard Way, Miami, FL	MA#####	Studbook #: 152

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

OMB Control No. 1018-0093
Expires 08/31/2023

Loans/Gifts/Donations Conducted

CBW holder is required it disclose **ALL loans, donations, and gifts** involving species listed under their CBW that occurred during the reporting year.

Scientific Name	**Common Name**	**Activity** (loans, donations, and gifts)	**Date of Activity** (mm/dd/yyyy)	**Quantity & Sex/Age** (males.females.unknown sex, 10.8.3)	**Name and Address of the other party Involved in the transaction**	**Information on transferred Animal(s)** (studbook #'s, microchip #'s, band #'s, tattoo #'s, etc.)
~~EXAMPLE: *Loxodonta Africana*~~	~~African elephant~~	~~loan~~	~~4/12/2019~~	~~1.0.0~~	~~Sunland Zoo and Park, 300 Leopard Way, Miami, FL~~	~~Studbook # 305 Tattoo yellow 6~~
Hylobates moloch	Javan gibbon	Donation	05/15/2023	0.1.0	Greensboro Science Center 4301 Lawndale Drive, Greensboro, NC 27455	GAN:NCN15-00002 MICROCHIP: AVID : 108*614*360

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

ENC #	SPECIES	NAME	ID NUMBER	SEX	BIRTHDATE	SIRE	DAM	REARED	Breeding Plan	YEAR IMPORTED	ORIGIN
					International Format	*If known*	*If known*				*Gibbon came to GCC from…*
17	N. White Cheeked	Vok	NL600	M	29-Apr-83	780013	810030	Parents	Needs an older female	14-Oct-91	Melbourne Zoo, Australia
16	Pileated	Violet	HP189	F	22-Apr-09	Domino	Tuk	Parents	Contracepted	N/A	Born at the GCC
16	Pileated	Truman	HP194	M	8-Jun-03	JR	Birute	Parents	Housed with contracepted female	N/A	Born at the GCC
1	Javan	Goliath	HMO882	M	17-Apr-12	Medina	Chloe	Human/ Dam	Important for the Javan gibbon GSMP	N/A	Born at the GCC
2	Javan	Khusus	HMO805	F	11-Jan-95	920198	920178	Parents	Contracepted	1-Oct-00	Perth Zoo, Australia
2	Javan	Reg	HMO896	M	29-Jan-00	Shelby	Chloe	Parents	Housed with contracepted female	N/A	Born at the GCC
3	Javan	Perak	HMO810	M	16-Nov-01	H91039	H91038	Parents	Housed with contracepted female	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Simpang	HMO807	F	23-May-00	H84031	H84030	Parents	Contracepted	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Hercules	HMO884	M	15-Oct-11	Perak	Simpang	Parents	Important for the Javan gibbon GSMP	N/A	Born at the GCC
4	Javan	Winston	HMO886	M	25-Aug-11	Shelby	Khusus	Parents	Important for the Javan gibbon GSMP, will be paired with a female at other facility	N/A	Born at the GCC
5	Pileated	Tuk	HP103	F	23-Jun-93	820023	820021	Parents	Contracepted	21-May-99	Zurich Zoo, Switzerland
5	Pileated	Howard	HP192	M	7-Dec-17	Domino	Tuk	Parents	Juvenile	N/A	Born at the GCC
5	Pileated	Baby Boo	HP183	F	9-Apr-14	Domino	Tuk	Parents	Juvenile	N/A	Born at the GCC
5	Pileated	Iszie	HP185	F	2-Oct-11	Domino	Tuk	Parents	Housed Alone	N/A	Born at the GCC
6	Eastern Hoolock	Alan Mootnick Jr.	HLE392	M	25-Dec-12	Arthur	Phy Gyi	Parents	Housed with contracepted female	N/A	Born at the GCC
6	Eastern Hoolock	Chan Thar	HLE309	F	1-Jan-06	Wild Born	Wild Born	Human/ peer	Contracepted	8-Apr-11	Yangon Zoo, Myanmar
7	Eastern Hoolock	U Maung Maung	HLE308	M	1-Jan-01	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	20-Apr-03	Yangon Zoo, Myanmar
7	Eastern Hoolock	Hmawe Ni	HLE311	F	1-Jan-04	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
8	Javan	Oula	HMO897	F	5-Jan-09	Shelby	Khusus	Parents	Contracepted	N/A	Born at the GCC
8	Javan	Medina	HMO892	M	27-Feb-02	Ushko	Khusus	Parents	Housed with contracepted female	N/A	Born at the GCC
10	Eastern Hoolock	Betty	HLE305	F	1-Jan-99	Wild Born	Wild Born	Human/ peer	Contracepted	7-Apr-00	Yangon Zoo, Myanmar
10	Eastern Hoolock	Khin Maung Win	HLE398	M	19-Oct-07	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
11	Eastern Hoolock	Phy Gyi	HLE313	F	1-Jan-03	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
11	Eastern Hoolock	Arthur	HLE304	M	1-Jan-96	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	7-Apr-00	Yangon Zoo, Myanmar
11	Eastern Hoolock	Elwood	HLE390	M	29-Dec-13	Arthur	Phy Gyi	Human/ Parents	Juvenile	N/A	Born at the GCC
11	Eastern Hoolock	Nyi Ma Suu	HL399	F	20-Sep-15	Arthur	Phy Gyi	Parents	Juvenile	N/A	Born at the GCC
12	N. White Cheeked	Canter	NL694	M	1-Mar-08	Vok	Ricky	Parents	Breeding male, important genetically for the Gibbon SSP	N/A	Born at the GCC
12	N. White Cheeked	Winky	NL694	M	15-Oct-22	Canter	Lucia	Parents	Infant	N/A	Born at the GCC
12	N. White Cheeked	Lucia	NL697	F	28-Oct-09	Sasha	Asteriks	Parents	Breeding Female, important genetically for the Gibbon SSP	N/A	Born at the GCC
13	N. White Cheeked	Dennis	NL690	M	28-Oct-13	Vok	Ricky	Parents	Juvenile	N/A	Born at the GCC
13	N. White Cheeked	Pepper	NL695	F	7-Feb-11	Vok	Ricky	Parents	Will be paired with Nate, important genetically for the Gibbon SSP	N/A	Born at the GCC
14	Eastern Hoolock	U Myint Swe	HLE394	M	14-Jul-09	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
14	Siamang	Marlow	SS987	F	12-Feb-05	Monty	Karenina	Parents	Contracepted	N/A	Born at the GCC
15	N. White Cheeked	Asteriks	NL607	F	19-Nov-99	131006	131003	Parents	Breeding Female, important genetically for the Gibbon SSP	9-May-07	Planckendael Zoo, Mechelen, Belgium
15	N. White Cheeked	Nate	NL692	M	2-Apr-12	Sasha	Asteriks	Parents	Will be paired with Pepper, important genetically for the Gibbon SSP	N/A	Born at the GCC
15	N. White Cheeked	Pierre	NL606	M	13-Feb-04	C70002	C89001	Parents	Breeding male, important genetically for the Gibbon SSP	12-Feb-09	Parc Zoologique de Cléres, France
15	N. White Cheeked	Anastasia Jolie	NL693	F	8-Jun-19	Pierre	Asteriks	Parents	Infant	N/A	Born at the GCC
15	N. White Cheeked	Ms. Roderick	NL691	F	25-Mar-22	Pierre	Asteriks	Parents	Infant	N/A	Born at the GCC

OMB Control No. 1018-0093
Expires 12/31/2026

Captive-Bred Wildlife Registration (CBW) Annual Report

Due: March 31st of the following year

Email to: managementauthority@fws.gov referencing "CBW Annual Report YYYY for CBW # MA#####" in subject line.

Permittee Name: Gibbon Conservation Center **Reporting Year** 2024 **CBW Permit #:** MA757434-1

Complete this form (all three tables) for **ALL live, non-native, ESA-listed species, captive-bred in the U.S., covered under your current CBW registration for the above reporting year** (including individuals you have on loan with another facility, or on loan with you). Do not include non-native ESA-listed species that were not covered on your CBW permit during this year.

Year-end Inventory

Scientific Name (Genus, species, and *if applicable*, subspecies)	**Common Name**	**Quantity**	**Sex/Age Ratio** (male.female.unknown sex, 10.5.2)	**# Births over the reporting year**	**Approximate Date of Birth**	**# Deaths over the reporting year**	**Approx Death Date(s) and Cause of Death(s)** (attach necropsy report, as needed)
EXAMPLE: *Loxodonta Africana*	African Elephant	17	10.5.2.	2	1/15/2022 7/4/2022	1	Aug 2019, old age
Hylobates moloch	Javan Gibbon	11	7.4.0	0		0	
Hylobates pileatus	Pileated Gibbon	6	2.4.0	0		0	
Nomascus leucogenys	Northern white-cheeked gibbon	12	6.6.0	1	12/14/2024	0	
Hoolock leuconedys	Eastern hoolock gibbon	13 (2 on loan)	7.6.0	0		0	
Symphalangus syndactylus	Siamang	1	0.1.0	0		0	

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OMB Control No. 1018-0093
Expires 12/31/2026

Activities Conducted

CBW holder is required to disclose **ALL interstate and intrastate purchases, sales, trades, and/or exports** involving species listed under their CBW that occurred during the reporting year.

Scientific Name	**Common Name**	**Activity** (Interstate or intrastate purchases, sales, and/or exports)	**Date of Activity** (mm/dd/yyyy)	**Quantity, Sex, Birth Date** (males.females.unknown sex, 10.8.3)	**Name and Address of the other party involved in the transaction** (include country if an export)	**CBW # of Registrant Involved in Activity**	**Identification Information** (e.g., studbook #'s, microchip #'s, band #s, etc.)
EXAMPLE: *Loxodonta africana*	African elephant	Interstate purchase	04/12/2019	1.0.0 6/30/2008	Sunland Zoo and Park 300 Leopard Way, Miami, FL	MA####	Studbook #: 152

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

OMB Control No. 1018-0093
Expires 12/31/2026

Loans/Gifts/Donations Conducted

CBW holder is required it disclose **ALL loans, donations, and gifts** involving species listed under their CBW that occurred during the reporting year.

Scientific Name	**Common Name**	**Activity** (loans, donations, and gifts)	**Date of Activity** (mm/dd/yyyy)	**Quantity, Sex, Birth Date** (males.females. unknown sex, 10.8.3)	**Name and Address of the other party Involved in the transaction**	**Information on transferred Animal(s)** (studbook #'s, microchip #'s, band #'s, tattoo #'s, etc.)
EXAMPLE: *Loxodonta africana*	African elephant	loan	4/12/2019	1.0.0 6/30/2008	Sunland Zoo and Park 300 Leopard Way, Miami, FL	Studbook # 305 Tattoo yellow 6

Use of this form is not mandatory. *If using an alternate form, ensure it encompasses the same information. Additional information may be attached to the report.*

ENC #	SPECIES	NAME	ID NUMBER	SEX	BIRTHDATE	SIRE	DAM	REARED	Breeding Plan	YEAR IMPORTED	ORIGIN
					International Format	*If known*	*If known*				*Gibbon came to GCC from…*
17	N. White Cheeked	Vok	NL600	M	29-Apr-83	780013	810030	Parents	Needs an older female	14-Oct-91	Melbourne Zoo, Australia
16	Pileated	Violet	HP189	F	22-Apr-09	Domino	Tuk	Parents	Contracepted	N/A	Born at the GCC
16	Pileated	Truman	HP194	M	8-Jun-03	JR	Birute	Parents	Housed with contracepted female	N/A	Born at the GCC
1	Javan	Goliath	HMO882	M	17-Apr-12	Medina	Chloe	Human/ Dam	Housed with contracepted female	N/A	Born at the GCC
1	Javan	Leia		F		Leon	Isabella	Parents	Contracepted		Born at Greensboro
2	Javan	Khusus	HMO805	F	11-Jan-95	920198	920178	Parents	Contracepted	1-Oct-00	Perth Zoo, Australia
2	Javan	Reg	HMO896	M	29-Jan-00	Shelby	Chloe	Parents	Housed with contracepted female	N/A	Born at the GCC
3	Javan	Perak	HMO810	M	16-Nov-01	H91039	H91038	Parents	Housed with contracepted female	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Simpang	HMO807	F	23-May-00	H84031	H84030	Parents	Contracepted	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Hercules	HMO884	M	15-Oct-11	Perak	Simpang	Parents	Housed with parents	N/A	Born at the GCC
4	Javan	Winston	HMO886	M	25-Aug-11	Shelby	Khusus	Parents	Housed alone	N/A	Born at the GCC
5	Pileated	Tuk	HP103	F	23-Jun-93	820023	820021	Parents	Contracepted	21-May-99	Zurich Zoo, Switzerland
5	Pileated	Howard	HP192	M	7-Dec-17	Domino	Tuk	Parents	Housed with contracepted female	N/A	Born at the GCC
5	Pileated	Baby Boo	HP183	F	9-Apr-14	Domino	Tuk	Parents	Housed alone	N/A	Born at the GCC
5	Pileated	Iszie	HP185	F	2-Oct-11	Domino	Tuk	Parents	Housed alone	N/A	Born at the GCC
6	Eastern Hoolock	Alan Mootnick Jr.	HLE392	M	25-Dec-12	Arthur	Phy Gyi	Parents	Housed with contracepted female	N/A	Born at the GCC
6	Eastern Hoolock	Chan Thar	HLE309	F	1-Jan-06	Wild Born	Wild Born	Human/ peer	Contracepted	8-Apr-11	Yangon Zoo, Myanmar
7	Eastern Hoolock	U Maung Maung	HLE308	M	1-Jan-01	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	20-Apr-03	Yangon Zoo, Myanmar
7	Eastern Hoolock	Hmawe Ni	HLE311	F	1-Jan-04	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
8	Javan	Oula	HMO897	F	5-Jan-09	Shelby	Khusus	Parents	Contracepted	N/A	Born at the GCC
8	Javan	Medina	HMO892	M	27-Feb-02	Ushko	Khusus	Parents	Housed with contracepted female	N/A	Born at the GCC
8	Javan	Rocky	HMO880	M	2-Jul-23	Medina	Oula	Human	Being Reintrduced to Parents	N/A	Born at the GCC
10	Eastern Hoolock	Betty	HLE305	F	1-Jan-99	Wild Born	Wild Born	Human/ peer	Contracepted	7-Apr-00	Yangon Zoo, Myanmar
10	Eastern Hoolock	Khin Maung Win	HLE398	M	19-Oct-07	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
11	Eastern Hoolock	Phy Gyi	HLE313	F	1-Jan-03	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
11	Eastern Hoolock	Arthur	HLE304	M	1-Jan-96	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	7-Apr-00	Yangon Zoo, Myanmar
11	Eastern Hoolock	Elwood	HLE390	M	29-Dec-13	Arthur	Phy Gyi	Human/ Parents	Housed with contracepted female	N/A	Born at the GCC
11	Eastern Hoolock	Nyi Ma Suu	HL399	F	20-Sep-15	Arthur	Phy Gyi	Parents	Contracepted	N/A	Born at the GCC
12	N. White Cheeked	Canter	NL694	M	1-Mar-08	Vok	Ricky	Parents	Breeding male, important genetically for the Gibbon SSP	N/A	Born at the GCC
12	N. White Cheeked	Winky	NL694	M	15-Oct-22	Canter	Lucia	Parents	Infant	N/A	Born at the GCC
12	N. White Cheeked	Lucia	NL697	F	28-Oct-09	Sasha	Asteriks	Parents	Breeding Female, important genetically for the Gibbon SSP	N/A	Born at the GCC
13	N. White Cheeked	Dennis	NL690	M	28-Oct-13	Vok	Ricky	Parents	Housed alone	N/A	Born at the GCC
13	N. White Cheeked	Pepper	NL695	F	7-Feb-11	Vok	Ricky	Parents	Will be paired with Nate, important genetically for the Gibbon SSP	N/A	Born at the GCC
14	Eastern Hoolock	U Myint Swe	HLE394	M	14-Jul-09	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
14	Siamang	Marlow	SS987	F	12-Feb-05	Monty	Karenina	Parents	Contracepted	N/A	Born at the GCC
15	N. White Cheeked	Asteriks	NL607	F	19-Nov-99	131006	131003	Parents	Breeding Female, important genetically for the Gibbon SSP	9-May-07	Planckendael Zoo, Mechelen, Belgium
15	N. White Cheeked	Nate	NL692	M	2-Apr-12	Sasha	Asteriks	Parents	Will be paired with Pepper, important genetically for the Gibbon SSP	N/A	Born at the GCC
15	N. White Cheeked	Pierre	NL606	M	13-Feb-04	C70002	C89001	Parents	Breeding male, important genetically for the Gibbon SSP	12-Feb-09	Parc Zoologique de Cléres, France
15	N. White Cheeked	Anastasia Jolie	NL693	F	8-Jun-19	Pierre	Asteriks	Parents	Juvenile	N/A	Born at the GCC
15	N. White Cheeked	Ms. Roderick	NL691	F	25-Mar-22	Pierre	Asteriks	Parents	Infant	N/A	Born at the GCC

ENC #	SPECIES	NAME	ID NUMBER	SEX	BIRTHDATE	SIRE	DAM	REARED	Breeding Plan	YEAR IMPORTED	ORIGIN
					International Format	*If known*	*If known*				*Gibbon came to GCC from...*
13	N. White Cheeked	Dennis	NL690	M	28-Oct-13	Vok	Ricky	Parents	Housed alone	N/A	Born at the GCC
16	Pileated	Violet	HP189	F	22-Apr-09	Domino	Tuk	Parents	Contracepted	N/A	Born at the GCC
16	Pileated	Truman	HP194	M	8-Jun-03	JR	Birute	Parents	Housed with contracepted female	N/A	Born at the GCC
1	Javan	Winston	HMO886	M	25-Aug-11	Shelby	Khusus	Parents	Housed alone	N/A	Born at the GCC
1	Javan	Leia		F		Leon	Isabella	Parents	Contracepted		Born at Greensboro
2	Javan	Khusus	HMO805	F	11-Jan-95	920198	920178	Parents	Contracepted	1-Oct-00	Perth Zoo, Australia
2	Javan	Reg	HMO896	M	29-Jan-00	Shelby	Chloe	Parents	Housed with contracepted female	N/A	Born at the GCC
3	Javan	Perak	HMO810	M	16-Nov-01	H91039	H91038	Parents	Housed with contracepted female	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Simpang	HMO807	F	23-May-00	H84031	H84030	Parents	Contracepted	20-Oct-09	Howlett's Wild Animal Park, UK
3	Javan	Hercules	HMO884	M	15-Oct-11	Perak	Simpang	Parents	Housed with parents	N/A	Born at the GCC
4	Javan	Goliath	HMO882	M	17-Apr-12	Medina	Chloe	Human/ Dam	Housed with contracepted female	N/A	Born at the GCC
5	Pileated	Tuk	HP103	F	23-Jun-93	820023	820021	Parents	Contracepted	21-May-99	Zurich Zoo, Switzerland
5	Pileated	Howard	HP192	M	7-Dec-17	Domino	Tuk	Parents	Housed with contracepted female	N/A	Born at the GCC
5B	Pileated	Baby Boo	HP183	F	9-Apr-14	Domino	Tuk	Parents	Housed alone	N/A	Born at the GCC
5C	Pileated	Iszie	HP185	F	2-Oct-11	Domino	Tuk	Parents	Housed alone	N/A	Born at the GCC
6	Eastern Hoolock	Alan Mootnick Jr.	HLE392	M	25-Dec-12	Arthur	Phy Gyi	Parents	Housed with contracepted female	N/A	Born at the GCC
6	Eastern Hoolock	Chan Thar	HLE309	F	1-Jan-06	Wild Born	Wild Born	Human/ peer	Contracepted	8-Apr-11	Yangon Zoo, Myanmar
7	Eastern Hoolock	U Maung Maung	HLE308	M	1-Jan-01	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	20-Apr-03	Yangon Zoo, Myanmar
7	Eastern Hoolock	Hmawe Ni	HLE311	F	1-Jan-04	Wild Born	Wild Born	Human/ peer	Contracepted	13-May-11	Yangon Zoo, Myanmar
8	Javan	Oula	HMO897	F	5-Jan-09	Shelby	Khusus	Parents	Contracepted	N/A	Born at the GCC
8	Javan	Medina	HMO892	M	27-Feb-02	Ushko	Khusus	Parents	Housed with contracepted female	N/A	Born at the GCC
8	Javan	Rocky	HMO880	M	2-Jul-23	Medina	Oula	Human	Being Reintrduced to Parents	N/A	Born at the GCC
10	Eastern Hoolock	Betty	HLE305	F	1-Jan-99	Wild Born	Wild Born	Human/ peer	Contracepted	7-Apr-00	Yangon Zoo, Myanmar
10	Eastern Hoolock	Khin Maung Win	HLE398	M	19-Oct-07	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
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11	Eastern Hoolock	Arthur	HLE304	M	1-Jan-96	Wild Born	Wild Born	Human/ peer	Housed with contracepted female	7-Apr-00	Yangon Zoo, Myanmar
11	Eastern Hoolock	Elwood	HLE390	M	29-Dec-13	Arthur	Phy Gyi	Human/ Parents	Housed with contracepted female	N/A	Born at the GCC
11	Eastern Hoolock	Nyi Ma Suu	HL399	F	20-Sep-15	Arthur	Phy Gyi	Parents	Contracepted	N/A	Born at the GCC
12	N. White Cheeked	Canter	NL694	M	1-Mar-08	Vok	Ricky	Parents	Breeding male, important genetically for the Gibbon SSP	N/A	Born at the GCC
12	N. White Cheeked	Winky	NL694	M	15-Oct-22	Canter	Lucia	Parents	Infant	N/A	Born at the GCC
12	N. White Cheeked	Lucia	NL697	F	28-Oct-09	Sasha	Asteriks	Parents	Breeding Female, important genetically for the Gibbon SSP	N/A	Born at the GCC
17	N. White Cheeked	Vok	NL600	M	29-Apr-83	780013	810030	Parents	Needs an older female	14-Oct-91	Melbourne Zoo, Australia
13	N. White Cheeked	Pepper	NL695	F	7-Feb-11	Vok	Ricky	Parents	Will be paired with Nate, important genetically for the Gibbon SSP	N/A	Born at the GCC
14	Eastern Hoolock	U Myint Swe	HLE394	M	14-Jul-09	U Maung Maung	Drew	Human/ peer	Housed with contracepted female	N/A	Born at the GCC
14	Siamang	Marlow	SS987	F	12-Feb-05	Monty	Karenina	Parents	Contracepted	N/A	Born at the GCC
15	N. White Cheeked	Asteriks	NL607	F	19-Nov-99	131006	131003	Parents	Breeding Female, important genetically for the Gibbon SSP	9-May-07	Planckendael Zoo, Mechelen, Belgium
15	N. White Cheeked	Nate	NL692	M	2-Apr-12	Sasha	Asteriks	Parents	Will be paired with Pepper, important genetically for the Gibbon SSP	N/A	Born at the GCC
15	N. White Cheeked	Pierre	NL606	M	13-Feb-04	C70002	C89001	Parents	Breeding male, important genetically for the Gibbon SSP	12-Feb-09	Parc Zoologique de Cléres, France
15	N. White Cheeked	Anastasia Jolie	NL693	F	8-Jun-19	Pierre	Asteriks	Parents	Juvenile	N/A	Born at the GCC
15	N. White Cheeked	Ms. Roderick	NL691	F	25-Mar-22	Pierre	Asteriks	Parents	Infant	N/A	Born at the GCC

Outlook

Re: [EXTERNAL] Re: Inquiry Regarding CSTASK5053744 - 3-200-41: Renewal of a CBW

From Gabi Skollar <Gabi@gibboncenter.org>
Date Wed 3/26/2025 2:02 PM
To [redacted]

8 attachments (5 MB)

GCC Gibbons 2021.xlsx; Gibbon Conservation Center Mail - Current Javan gibbon pairings.pdf; Gibbon Conservation Center Mail - Javan Baby.pdf; Gibbon Conservation Center Mail - Duke Gibbon Plans.pdf; 2018 Intl Javan gibbon studbook .pdf; Gibbon Conservation Center Mail - gibbons.pdf; Gibbon Conservation Center Mail - Javan Gibbons.pdf; Gibbon Conservation Center Mail - Javan gibbon Lela.pdf;

H[redacted]
I a dated 2021 gibbon list with the breeding plan.
Our only siamang is housed with another gibbon, and I am not considering sending her to the SSP until these pairings work out. Their welfare is more important than breeding. I am also not planning to import a male siamang at this time.
We are sending a pileated gibbon to Europe, and the pileated species coordinator planned that transfer. I attached some communication about the planning of that.
We just began communicating about Javan gibbon transfers again. I have attached a few of the previous communications. International transfers are taking a long time; we had two previous Javan gibbon transfers fail because the importing zoo canceled the transfer because it was taking too long for the US Fish and Wildlife to process the export permit. Also, everything was on hold during the pandemic, and gibbons aged out from possible re-introduction plans.
There are no updated studbooks for Javan Gibbons. Hopefully, there will be a new one soon. I attached the one from 2018.
Sincerely,
Gabi

Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
http://www.gibboncenter.org/

On Wed, Mar 26, 2025 at 10:06 AM [redacted] wrote:

> Good morning,
>
> Thank you very much for the information you provided. We do have some follow-up questions for you. I will include it below:
>
> 1. Thank you for sending the annual reports over. I apologize for missing a couple of the reports that you had provided. On our end we have had a recent change in the layout of ePermits so the reports you had submitted are now in a different location than where I was used to seeing them. I do see the reports submitted from 2022 to 2024 now. That said, thank you for sending them over again.
> 2. For the 2021 excel report, this report does not have a breeding plan section. I do recognize that it has been a few years now. If possible, can you populate this report with the breeding plan? If you are not able to pull this information, please let me know.

3. For the siamang, the attached email you provided from the siamang SSP coordinator was dated in 2019. Can you reach out to the coordinator and get a more recent email that confirms that they still consider your siamang as a potential candidate in the siamang SSP?
4. While the more recent ARs no longer have "Important for [insert species] GSMP" status attached to any individual, a couple of the animals in the past had this status. How is this status determined? Was this status made in coordination with the coordinator equivalent at WAZA? Can you provide a few sample emails that demonstrate this coordination?

Thank you,

[redacted]

Division of Management Authority
International Affairs Program
U.S. Fish and Wildlife Service
Falls Church, VA, USA

From: Gabi Skollar <Gabi@gibboncenter.org>
Sent: Thursday, March 20, 2025 8:30 PM
To: [redacted]
Subject: [EXTERNAL] Re: Inquiry Regarding CSTASK5053744 - 3-200-41: Renewal of a CBW

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

Hi [redacted]
I am attaching the White-cheeked SSP recommendation (a screenshot of just the GCC specifically and the full program) from 2018. There will be a meeting in April, but I am not sure when the new recommendation will be out. I am also attaching email conversations about Anastasia, who will be sent to the SSP when she is old enough. I am also attaching email conversations about Marlow, the siamang, who is very valuable to the SSP but has a chronic illness and is not recommended to breed for now. We only house one siamang, and she is housed with another species and on a birth control implant.
I am attaching our USDA licenses.
I sent our annual report for 2020 to permits@fws.gov; I am attaching the documents again.
Chris Roderick sent our annual report for 2021 to the same email address because I was out of the country. I don't have a record of this. She passed away.
I sent our 2022 report to the same email.
I sent our 2023 report to the online system. I didn't attach our inventory or other materials, just the form, and I reattached our 2022 report as well.
I am sending those reports again, as well as the inventory.
I am attaching our 2024 report to this email and uploading it to the online permit reports.
I am also attaching the necropsy reports for the two gibbons that passed away.
Let me know if these make sense; I can also resend everything year by year.
Thank you!
Gabi

Gabriella Skollar

Director
Gibbon Conservation Center
PO Box 800249
Santa Clarita, CA 91380
Phone: 661-219-4785
Email: gabi@gibboncenter.org
http://www.gibboncenter.org/

On Thu, Mar 20, 2025 at 12:56 PM [redacted] wrote:

Good afternoon,

The USFWS has questions for your renewal request of your CBW. I will provide these questions below:

1. You may have provided the annual reports for your CBW. However, I am not finding them in your file or our general inboxes. As a quick reminder, your current CBW was established on 04/07/2020. It will expired on 04/07/2025. The annual reports we will need from you then cover these time periods:

    a. AR2020 - Due 03/31/2021
    b. AR2021 - Due 03/31/2022
    c. AR2022 - Due 03/31/2023
    d. AR2023 - Due 03/31/2024

    e. One additional note I will mention here is that your permit has an overall reporting requirement. I will quote it here: *In addition, permittee must report annually on the genetic management of the animals bred at her [sic] facility, as well as through loans and exchanges with other facilities. The report must include: 1) a description of pairings for each specimen owned or possessed by the permittee; 2) any and all births and deaths of offspring and their lineage; 3) planned pairings of any offspring produced; and 4) if the aforementioned activities are conducted through an established breeding program, the goals and methods of the program and documentation showing your institution's active [participation in the program]*. Please note that our annual reporting form (the 3-200-41A) only captures some of these information. I do recommend attaching a supplementary document (perhaps similar to the Excel table you provided for the current inventory) that captures these additional requirements. For now, I will attach the latest version of the 3-200-41A form to this email.

2. Thank you for providing the inspection reports from USDA. Can you also provide a valid USDA exhibitor license for your institution?

3. I reviewed your file from the prior renewal back in 2018-2020. In the prior renewal, you had mentioned participating in the SSP for two of your currently registered species, the northern white-cheeked gibbon (*Nomascus leucogenys*) and siamang (*Symphalangus syndactylus*). Are you still a participant in the SSP for these species? If so, please provide the latest breeding and transfer plans (BTP) that demonstrate your continued participation in the program.

In accordance with 50 CFR 13.11(e), if the requested information is not received by this office by **May 4, 2025**, your application will be abandoned and administratively closed. Once a file is closed you will need to submit a new application and all required fees for the Service to consider your proposed activity. Please refer to permit application number CSTASK5053744 in your correspondence.

Thank you,

[redacted]
Branch of Permits
Division of Management Authority
International Affairs Program
U.S. Fish and Wildlife Service
Falls Church, VA, USA