

CITES APPLICATION FOR REGISTRATION AND ACCREDITATION
OF OPERATION BREEDING APPENDIX I SPECIES
FOR COMMERCIAL PURPOSES
Res. Conf. 12.10 (Rev CoP13)

Scarlet Macaw (*Ara macao*)



Birds International, Inc.
No. 1 Sto Nino St. Alemars Subd.
Commonwealth Heights, Fairview, Quezon City, Philippines

INTRODUCTION

This proposal is being submitted to the CITES Secretariat-Switzerland through the CITES Management Authority of the Philippines, the Protected Areas and Wildlife Bureau (PAWB), for the purpose of gaining accreditation for the possible trade of Birds International, Inc.'s captive-bred, second and succeeding generations of Scarlet macaw (*Ara macao*).

Birds International, Inc. (BII) is engaged in the conservation and propagation of the world's rare and exotic species of psittacines, 95% of which are non-Philippine birds. It operates its activities on a six-hectare farm in Quezon City, Philippines. BII is a CITES registered breeding facility (A-PH-501) breeding Appendix I species of Golden Conure (*Aratinga guarouba*) and Red-Vented Cockatoo (*Cacatua haematurpygia*) for commercial purposes.

While most breeding and conservation efforts done are government-initiated and sponsored, BII was founded privately by Antonio M. de Dios. What started as a pure hobby became a well-organized, systematic and highly technical operation to breed and conserve, which ultimately culminated in the establishment of BII.

Upon its establishment in the early 1970s, BII's principal aim was to undertake biological and conservation studies for future breeding efforts. Also, a continuous exchange of information was established with other international aviculturists.

An influx of investments followed to be able to achieve the desired breeding conditions and provide the expertise required for the successful propagation of the birds. Necessary facilities such as a veterinary hospital with twenty rooms to accommodate various cases; a laboratory with high-powered microscopes, a serum analyzer unit, a mechanical convection unit; breeding and non-breeding cages and aviaries of various designs and sizes; a 45 air-conditioned room nursery; a fully insulated hatchery with more than 40 units of Grumbach egg incubators and hatchers; dietary centers; water filtration systems, sprinkler systems for birds' artificial shower and staff quarters were constructed. In addition, hundreds of animal incubators and other needed equipment, feeds and medicines were imported.

BII is jointly managed by Mr. Antonio de Dios and his daughter, Regina. They have a staff of one hundred thirty (130) people consisting of college graduates with degrees in veterinary medicine, medical technology, animal husbandry, agriculture and zoology; and a support group of maintenance people consisting of gardeners, janitors, carpenters, masons, electricians and welders. Functional groups carry out specialized activities such as hospital management, nursery management, management of facilities and equipment and the likes.

In its more than thirty years of bird conservation and propagation, BII has made substantial contributions to the accumulation of technical knowledge on bird farming. It has achieved breeding success in its Appendix I and II species, most notably the Spix's Macaw *Cyanopsitta spixii*.

The Philippines became an active member of the Convention on International Trade of Endangered Species Flora and Fauna (CITES) in 1981. With its strong adherence to the CITES regulation of restricting the trade of wildlife species only to those that are born and bred in captivity, BII was registered as a preferred pioneer industry with the Board of Investments of the Philippines (BOI) Certificate of Registration No. 83-598 on November 16, 1983. On August 14, 1985, BII was granted Wildlife Permit No. 3 by the then Bureau of Forest Development, which allowed Birds International, Inc to export its captive-bred birds.

Net revenue generated by BII is flowed back to its operation. We continually maintain and upgrade our facilities, we hold training and seminars for our staff conducted by international professionals and we also sponsor and undertake training programs for both local and foreign veterinarians from various zoos like the Sao Paulo Zoo in Brazil, Criadouro Chaparral also in Brazil and the Philippine Eagle Conservation Program. We have allowed members of some Asian parks like the Jurong Bird Park in Singapore to observe our system of operation. We engage in exchanging ideas and information exchange with zoos and aviculturists from around the world to give the best care possible to these beautiful avian species. In the end, if such a need should arise, we are willing to be a part of their reintroduction to the wild.

1. NAME AND ADDRESS OF THE OWNER AND THE MANAGER OF THE CAPTIVE-BREEDING OPERATION.

Birds International Incorporated (BII)
No. 1 Sto Nino St. Alemars Subd.
Commonwealth Heights, Fairview, Quezon City Philippines
Website Address: www.birdsinternational.net
e-mail: info@birdsinternational.net

Mr. Antonio M. de Dios – Founder-President
Ms. Ma. Regina de Dios-Jardinel - Manager

2. DATE OF ESTABLISHMENT: February 1975

3. SPECIES BRED: Scarlet Macaw (*Ara macao*)¹

4. DETAILS OF THE NUMBER AND AGE (IF KNOWN OR APPROPRIATE) OF MALES AND FEMALES THAT COMPRISE THE PARENTAL BREEDING STOCKS. (Evidence of legal acquisition of each male and female including receipts, CITES documents, capture permits, etc)

Between the years 1975 to 1976 the company initially acquired a total of thirty-seven heads (37) Scarlet macaw with unknown age from the domestic pet shop. From this total thirteen (13.13) pairs became the parental breeding pairs while three (3.3) pairs died after pairing and the remaining five (5) heads died during quarantine.

Furthermore, in 1994 BII acquired a total of twenty (20) heads of Scarlet macaw from Suriname with unknown sex and age. From this acquisition, nine (9.9) pairs became the parental breeding pairs while two (0.2) heads died prior to pairing. Refer to Annex A for the details.

5. OPERATIONS LOCATED WITHIN RANGE STATES MUST PRODUCE EVIDENCE THAT THE PARENTAL STOCK WAS OBTAINED IN ACCORDANCE WITH THE RELEVANT NATIONAL LAWS (e.g capture permits, receipts, etc) or, if imported, in accordance with the provisions of the Convention (e.g. receipts, CITES documents, etc)

Not Applicable Birds International Inc. (BII) is located in a non-range state.

6. OPERATIONS LOCATED IN NON-RANGE STATES MUST PRODUCE EVIDENCE THAT THE ANIMALS COMPRISING THE PARENTAL STOCK

- a. are pre-Convention specimens (e.g. relevant dated receipts or other acceptable proof of lawful acquisition)
- b. have been derived from pre-Convention specimens (e.g. relevant dated receipts or other acceptable proof of lawful acquisition) ; or
- c. were acquired from the range State(s) in accordance with the provisions of the Convention (e.g. receipts, CITES documents, etc)

The thirty-seven (37) heads parental stocks obtained from the domestic market between the years 1975 and 1976 were pre-convention specimen, while the twenty (20) heads obtained in 1994 from Suriname are covered with CITES permits. From this total of fifty-seven heads, twenty-two pairs (22.22) became the parental breeding stock. Refer to Annex B for the details and Annex B_{1,2,3,4} for CITES Import Permit.

¹ Listed under CITES Appendix III on October 28, 1976. Elevated to Appendix I on August 01, 1985

7. Where actual documentation is difficult to obtain, the Management Authority may accept signed affidavits supported by other documents (e.g. dated receipts) in lie of documents required under paragraph 6 a) through c) above until the 14th meeting of the Conference of Parties. The Management Authority may also consult with range States of the species concerned in order to validate affidavits and supporting documents.

Thirty-seven (37) heads pre-convention Scarlet macaws were acquired from the local pet shops. Ten (10) heads were acquired on April 1975, twelve (12) heads on May 1975 and the last fifteen (15) heads on June 1976. See Exhibit 1- Joint Affidavit.

8. **CURRENT STOCKS (numbers, by sex and age, of progeny held in addition to the parental breeding stock above)**

The company's current stocks of two hundred five (205) specimens are composed of nine (9.9) pairs from Suriname, forty-five (45.45) F1 breeding pairs, twelve (12) F1 progenies and eighty-five (85) F2 progenies. Please refer to table below.

Total Current Stock of Scarlet Macaw

Age in Years (as of 2004)	Sex			Total
	Male	Female	Unsexed	
0-1	11	15	0	35
2-3	15	11	0	26
4-5	11	8	0	19
6-7	5	4	0	9
8-9	4	4	0	8
10-11	0	3	0	3
12-13	8	18	0	26
14-15	19	18	0	37
16-17	13	6	0	19
18-19	5	0	0	5
20	0	0	0	0
Unknown ²	9	9	0	18
Total	100	96	9	205

9. **INFORMATION ON THE PERCENTAGE OF MORTALITIES IN THE DIFFERENT AGE GROUPS AND WHERE POSSIBLE, BETWEEN MALES AND FEMALES.**

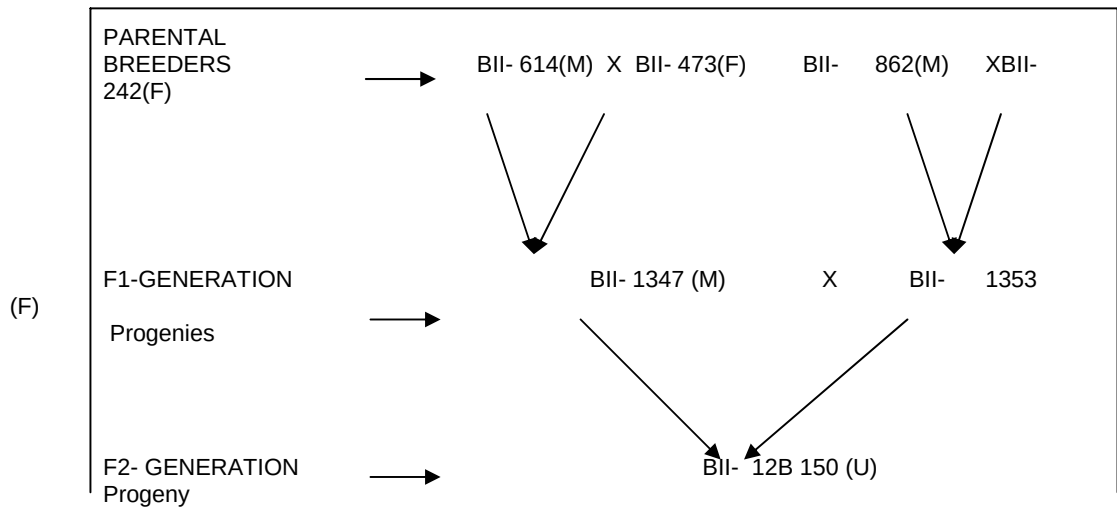
From the total production of two hundred thirty-five (235) F1-generation progenies, forty-six percent (46%) or one hundred eight (108) heads died, while fifty-four percent (54%) or one hundred twenty-seven (127) heads are the remaining live progenies. Refer to Annex C additional details

From the total of four hundred forty-five (445) F2-generation progenies, forty-one percent (41%) or one hundred eighty-two (182) heads died, while fifty-nine percent (59%) or two hundred sixty-three (263) heads are the remaining live progenies. Refer to Annex C additional details.

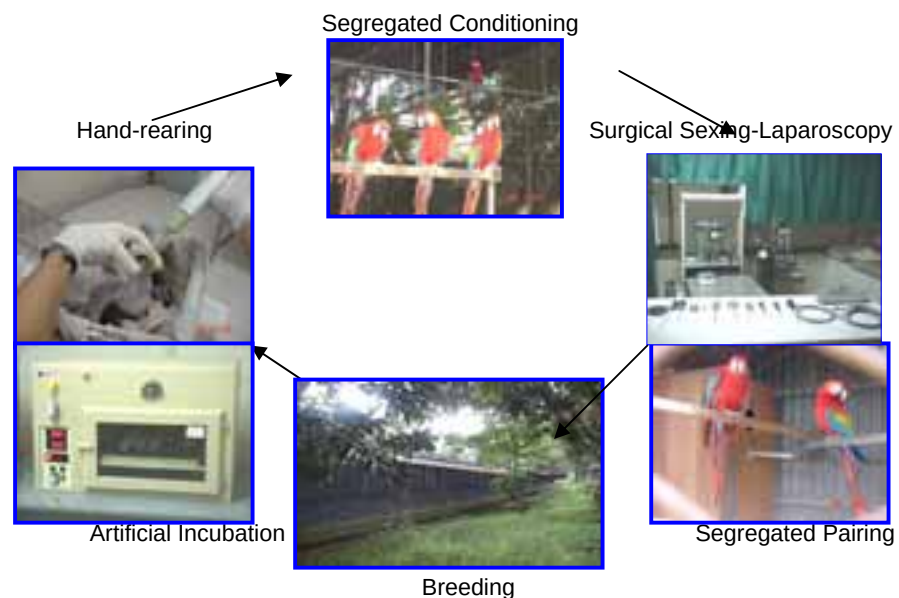
² These are the pairs from Suriname

10. DOCUMENTATION SHOWING THAT THE SPECIES HAS BEEN BRED TO SECOND GENERATION BREEDING OFFSPRING (F2) AT THE FACILITY AND THE DESCRIPTION OF METHOD USED.

When Birds International started breeding Scarlet Macaw, the company decided to practice the CLOSED CYCLE BREEDING AND PRODUCTION SYSTEM. This production system requires an initial take from the wild but after the initial establishment no wild specimen will be added or taken from the wild to augment the existing parental breeding pairs. Likewise, the company follows a SEGREGATION STRATEGY of progenies coming from various generations. Segregation will ensure grouping of progenies coming from the same generation and will eliminate chances of mixing individuals from the different generations therefore making pairing of similar generation easier and the realization of F2 and F3 generation attainable. Diagram below will show how BII was able to achieve F1 and F2 generation from two (2) pairs of Parental Breeding Pair.



Presented below is the CLOSED CYCLE BREEDING AND PRODUCTION SYSTEM for the development of Scarlet macaw leading to F1 and F2 generation progenies.



STAGES OF BREEDING	DESCRIPTION
BII is implementing the CLOSE BREEDING AND PRODUCTION SYSTEM as well as SEGREGATION STRATEGY in various stages of breeding when applicable.	
Segregated Conditioning	Birds with varying bloodlines are placed in a flight aviary where they can socialize and or bond with other birds (same species). This stage is the maturation period. Usually it will take three (3) -five (5) years to attain reproductive maturity.
Sexing	All unrelated, mature and with good quality birds are subjected to laparoscopy, to check maturity of reproductive organs such as the ovary/testes. This procedure is required to ensure proper pairing of sexually mature individuals.
Segregated Pairing	Sexually compatible male and female will be set-up in either a Large Portable Cage or inside a Breeding Aviary. Newly paired breeder will be monitored and any aggression between the pair will be taken into consideration for possible break-up to avoid injury of either the male or the female.
Segregated Breeding	Nest boxes with nesting materials are installed for egg-laying and special diet rich in Calcium will be provided. During breeding season a daily check-up of nest-boxes is required. However, noise and any other form of disturbance is avoided if not minimized.
Artificial Incubation	Eggs are carefully pulled-out from nest boxes for cleaning and disinfection after which the eggs are placed inside a Grumbach Egg Incubator for artificial incubation. Monitoring is done daily. Incubation is between 25-28 days
Hand-Rearing	Hatchlings are carefully cleaned and placed inside AICU-Animal Intensive Care Unit at the Nursery. A culture test of the eggshell is required if the hatchlings exhibited any abnormal condition during incubation or immediately after hatching. Specially formulated diet will be given from day one until the bird is fully weaned. Weaning is between four (4) –eight (8) months

11. IF THE OPERATION HAS ONLY BRED THE SPECIES TO THE FIRST GENERATION, DOCUMENTATION SHOWING THAT THE HUSBANDRY METHODS ARE THE SAME AS, OR SIMILAR TO THOSE THAT HAVE RESULTED IN SECOND-GENERATION OFFSPRING ELSEWHERE.

Not Applicable – The facility was able to produce up to second (F2) going to F3 generation.

12. PAST, CURRENT, AND EXPECTED ANNUAL PRODUCTION OF OFFSPRING, TOGETHER WITH THE INFORMATION ON THE PERCENTAGE OF: a) Female producing offspring each year b) Unusual fluctuations in the annual production of offspring (including an explanation of the probable cause).

Year	Total Percentage of Productive Female (in %)			Production According to Generation			Total Production
	Parental Breeding Pairs (22.22) ³	F1 Breeding Pairs (45.45)	F2 Breeding Pairs (18.18)	F1	F2	F3	
1985	4	0	0	3	0	0	3
1986	26	0	0	10	0	0	10
1987	47	0	0	22	0	0	22
1988	56	0	0	35	0	0	35
1989	69	0	0	45	0	0	45
1990	69	0	0	40	0	0	40
1991	65	0	0	35	0	0	35
1992	43	4	0	15	4	0	19
1993	34	7	0	10	10	0	20
1994	21	9	0	5	13	0	18
1995	9	20	0	3	32	0	35
1996	0	20	0	0	29	0	29
1997	0	20	0	0	28	0	28
1998	0	22	0	0	24	0	24
1999	0	24	0	0	22	0	22
2000	0	36	0	0	56	0	56
2001	0	53	0	0	88	0	88
2002	22	44	0	3	63	0	66
2003	22	48	0	3	50	0	53
2004	33	44	0	6	26	0	32
2005*	44*	47*	11*	8*	38*	2*	48*
2006*	55*	41*	11*	8*	50*	4*	62*
2007*	55*	66*	16*	10*	65*	6*	81*
2008*	66*	62*	16*	12*	70*	10*	92*

Legend = * indicates projected value

The company is convinced that based on the historical annual production of this species since 1985, the year on year increase and decrease is within the normal range.

³ Nine pairs (9.9) from Suriname

13. AN ASSESSMENT OF THE ANTICIPATED NEED FOR, AND SOURCE OF, ADDITIONAL SPECIMENS TO AUGMENT THE BREEDING STOCK TO INCREASE THE GENETIC POOL OF THE CAPTIVE POPULATION IN ORDER TO AVOID ANY DELETERIOUS INBREEDING.

Our current population of F1P-BR and the additional F2P-BR breeding stocks are sufficient sources of bloodlines to sustain our present captive breeding operation. Proper management of the progenies bloodlines through the use of a specimen control number using computerized relational database guides BII personnel to avoid pairing of related birds.

BII selects unrelated, mature and superior quality captive bred produced at the center. Contacts with other breeding operations worldwide allow the trade and exchange of this species thus eliminating the need to collect this species from the wild population.

14. TYPE OF PRODUCT EXPORTED

The products exported are of live captive-bred birds. Each bird is individually marked, either by closed leg-band or by microchip implant and inspected by the technical staff of the Philippine Protected Areas and Wildlife Bureau (PAWB) which keeps a record of each bird bred from the time the egg hatched.

15. DETAILED DESCRIPTION OF THE MARKING METHODS USED FOR THE BREEDING STOCK AND OFFSPRING AND FOR THE TYPES OF SPECIMENS THAT WILL BE EXPORTED.

15.1 CLOSED LEG-BAND and OPEN LEG-BAND

A closed stainless steel leg-band with unique number series is used for all captive-bred progenies and breeding stocks at the center. Closed leg-band is usually attached ten to fifteen days (10-15) after hatching. The closed leg-band identification is being used by the Philippines CITES-CMA to identify the birds intended for export. Also this is the basis for the issuance of CITES export permit.



An open stainless steel leg-band is attached additionally to a female captive bred-progeny after surgical sexing. This will clearly identify the surgically sexed female because it is fitted with two leg-bands, a closed band on the right foot and an open band on the left.

15.2 MICROCHIP IMPLANT

An ISO microchip implant is also used for the identification of captive-bred progenies intended for export.

Microchip Reader

Microchip Installation

Microchip Implant



16. DESCRIPTION OF THE INSPECTION AND MONITORING PROCEDURES TO BE USED BY THE CITES MANAGEMENT AUTHORITY TO CONFIRM AND IDENTIFY THE BREEDING STOCK AND THE OFFSPRING AND TO DETECT THE PRESENCE OF UNAUTHORIZED SPECIMENS HELD AT OR INCORPORATED WITH THE OPERATION OR PROVIDED FOR EXPORT.

The following procedures are being adopted by the Protected Areas and Wildlife Bureau (PAWB), the CITES Management Authority in monitoring the captive breeding operations of BII;

1. The collection of wildlife species from the natural habitat for breeding purposes is allowed only under a Wildlife Collector's Permit (WCP) issued by the PAWB. Exotic species may be acquired from breeders duly accredited and registered with PAWB or through importation under an import permit issued by the said agency;
2. A Wildlife Farm Permit (WFP) is also required for the establishment of breeding farms in the country. A WFP holder is required to maintain and provide breeding facilities suitable for the avian species to be maintained and spacious enough to ensure the welfare of the birds. Likewise, leg bands for the identification of the breeders and progenies are being checked/verified by the CMA.
3. The breeding farm is required to maintain a record for each species maintained in the farm, which shall include the data specified below. The record is periodically inspected and the stocks verified by the CMA. Only the recorded/validated animal stocks in the farm as registered in the book are allowed for trade/disposition.
 - a. founding/breeder stocks- species, origin, age (date laid and date hatched) generation, sex, quantity, source, marking (leg-band, microchip etc) parental leg-band number if any.
 - b. progenies – species, origin, generation, age (date laid and date hatched) sex, quantity, parental leg-band number.

- c. additional acquisition – local purchase, importation, exchange or donation, species, source, generation, origin, age, quantity, parental leg-band, receipt, permit if imported
 - d. mortality /accidental escape – species, source, generation, origin, age, generation, quantity, parental leg-band number
 - e. hospital, nursery, incubator apparatus, and nesting area shall provide the same information as above.
4. The movement of the birds from the breeding farm to any point within the territorial jurisdiction of the Philippines or from the collection area to the farm should be accompanied by a local transport permit issued by the concerned field office of the CMA;
 5. Only captive-bred wildlife species/sub-species produced in the breeding farms authorized under WFP are allowed for trade. Birds intended for export are inspected/validated by PAWB and verified against the production report regularly submitted by the establishment to the CMA. Export permits are issued only when the results of the inspection and verification conform with the requirements of the CMA;
 6. The establishment is also required to observe cleanliness and sanitation in the maintenance of the breeding farm and facilities. This is to prevent possible contamination and /or spread of pests and/or diseases, which will affect the survival of either the captive-bred specimens or other wildlife species which maybe found in the surrounding area.
 7. Cleanliness and Sanitation- the breeding operation shall observe cleanliness and sanitation in the maintenance of the breeding farm and facility. This is to prevent possible contamination and /or spread of pests and/or diseases, which may affect the survival of both captive-bred, and the wild population of animals and other wildlife species in the area.

17. DESCRIPTION OF THE FACILITIES TO HOUSE THE CURRENT AND EXPECTED CAPTIVE STOCK, INCLUDING SECURITY MEASURES TO PREVENT ESCAPES AND/OR THEFTS. DETAILED INFORMATION SHOULD BE PROVIDED ON THE NUMBER AND SIZE OF THE BREEDING AND REARING ENCLOSURES, EGG INCUBATION CAPACITY, FOOD PRODUCTION OR SUPPLY, AVAILABILITY OF VETERINARY SERVICES AND RECORD KEEPING.

The list of equipment and facilities presented below play a very vital role in the husbandry management and breeding of all Scarlet macaw at Birds International.

Facilities at Birds International

Description	Number of Units	Description	
Hatchery-I & II	2	Incubation	86m ²
Nursery 1-V	5	Hand-Rearing	1700m ²
Hanging Cages			
Small	30	Weaning/Rearing	.92m ³ / cage
Medium	120	Weaning/Rearing	2.63m ³ /cage
Large	60	Weaning/Rearing	4.46m ³ /cage
Mini-Flight	30	Conditioning Newly Weaned Birds	400m ²
Conditioning Flight	30	Conditioning Newly Weaned Birds	1750m ²
Breeding Aviary	27	Breeding	1500m ²
Portable Breeding Cages			
Small	270	Breeding	3m ³ / cage
Medium	250	Breeding	6m ³ / cage

Description	Number of Units	Description	
Large	100	Breeding	8m ³ /cage
Food Preparation	2	Food Production for Breeders/Conditioning	180m ²
Hospital	3	Patient Treatment/Recovery	577m ²
Laboratory	1	Specimen culture	13.5m ²
Warehouse	2	Storage	480m ²
Cold Storage-Warehouse	2	Storage	70m ²
Administration Building	1	Record Keeping/Documentation	252m ²
Caretaker's Quarter	4	Accommodation	1,462m ²
Dining Hall	1	Caretaker's Dining Area	25m ²
Quarantine Building	2	Treatment /Isolation Area	730m ²
Laundry Building	1	Laundry	60m ²

Equipment at Birds International

Description	Quantity	Purpose
Egg Incubators	30	Artificial Incubation
Egg Candles	5	Egg Development Indication
AICU (Animal Intensive Care Units)	271	Hand-rearing
Walk-In Freezer	1	Food Storage
Endoscope	2	Endoscopy/Surgical Sexing
Photo-microscope	4	Bacteria Identification
Mechanical Convection Incubator	1	Bacteria Culture
Surgitron	1	Surgery
Airconditioning Units	50	Temperature Control
Humidifier	2	Humidity Control
Microchip Reader	3	Microchip Number Identification
Computers (CPU+Monitor)	7	Record Keeping
Power Generators (90 KVA)	3	Stand-by Power Supply
Water Filtration (UV-Light)	1	Water Disinfection
Fork-Lift	1	Garbage Collection/Transport
Power Sprayer	5	Cleaning Cages
Mini-Van	1	Bird Export
Dump Truck	1	Materials/Equipment Transport
Reflotron	1	Blood Value Analyzer
Centrifuge	2	Blood Sample Preparation
Gas-Anesthesia Unit	2	Inhaled-Anesthesia
Digital Camera (mpeg/jpeg)	2	Picture/Documentation
Refrigerators	15	Food Storage

HATCHERY EQUIPMENT AND FACILITIES



Hatchery I

Hatchery II

NURSERY EQUIPMENT AND FACILITIES

Nursery I & II

Nursery III

Nursery IV

Nursery V



CONDITIONING, BREEDING & PORTABLE BREEDING FACILITIES



FOOD PREPARATION EQUIPMENT AND COLD STORAGE FACILITIES

Kitchen I



Kitchen II



Chiller Warehouse

HOSPITAL AND LABORATORY EQUIPMENT AND FACILITIES

Hospital I & II



Laboratory



HOSPITAL AND LABORATORY EQUIPMENT AND FACILITIES



Mechanical Convection Incubator



Photo-microscope



Reflotron machine



Centrifuge



Examination table



Endoscope



Surgitron machine

WATER TREATMENT AND FILTRATION/ LAUNDRY FACILITIES



Laundry room



Washing/Drying machine



Water Filtration/ UV Light Treatment & Storage



STAND-BY POWER GENERATOR SET AND TRANSPORT VEHICLE



CARETAKER'S QUARTERS AND DINING HALL



ADMINISTRATION FACILITIES



Prevention of the possible escape of birds is one of the many considerations in a cage design at BII. Almost all the cages used at the center can be serviced without the need to go inside to deliver the food to the birds. Food and water dishes are provided with through an especially designed hatches that can be pulled out or slide out during feeding. This design makes the escape of the birds inside the cage almost impossible.

Food Tray



Power-Pressure Spraying



Cleaning of the cage can usually be achieved by pressure hosing from the outside of the cage.

Nest-boxes are designed and situated in such a position that they also can be examined without the need to enter the cage.

Nest Box-Outside View(Alley)



Portable Breeding Nest Box



On few occasions, when it is necessary to enter the cage to catch and examine more closely the bird, a special safety cage or cage trap is used to enter the main cage and prevent any possibility of escape.

Birds inside the breeding aviaries are housed in a completely enclosed building from which they cannot escape, even if they should come out of their cages. Breeding aviaries are secured through a screened double door.

Great care is taken whenever birds are being transferred to different facilities. These birds are always carried inside a transfer box with lock before going out of the aviary and the box is never opened unless it is fully secured inside the destination aviary.

Cage Trap



Aluminum Transport Box



The advent of technological breakthrough in the field of PC (Personal Computers) in the early 1980's enhanced and changed the old master list. Presently, the company has a relational database system that aids its staff in all aspects of avian management. This database was further enhanced with the use of C++, SQL and Visual Basic programming language. The database system at present can alert user not to pair related progenies as it does not accept records and data of related progenies intended to be paired.

18. DESCRIPTION OF THE STRATEGIES USED BY THE BREEDING OPERATION OR OTHER ACTIVITIES THAT CONTRIBUTE TO IMPROVING THE CONSERVATION STATUS OF WILD POPULATION(S) OF THE SPECIES.

The company is committed to support any effort of the Philippine government or any foreign government and non-government organizations to improve conservation status of the Scarlet Macaw macaw. The company's vast experience on the conservation of the species like Spix's macaw and the Philippine Eagle to name a few will likewise offer a great advantage to any conservation effort that will be initiated on this particular species.

19. ASSURANCE THAT THE OPERATION SHALL BE CARRIED OUT AT ALL STAGES IN A HUMANE (NON-CRUEL) MANNER.

The current success of BII in captive breeding not to mention other Appendix 1 species is a clear manifestation that indeed breeding operation at BII is carried out with utmost and humane manner. The company's commitment to follow the existing Animal Welfare Act of the Philippines and the Wild Life Resources Conservation and Protection Act is also an assurance that the company will protect, care and treat all species in a humane and non-cruel manner.

Annex A Scarlet Macaw

Species Count	Legband Number	Sex	Age	Source Country (ISO-Code)	Evidence of Legal Acquisition		Comments
					Import Permit	Date Issued	
1	032	F	UNK	PH	Affidavit	April 1975	A
2	040	M	UNK	PH	Affidavit	June 1976	A
3	078	F	UNK	PH	Affidavit	April 1975	A
4	119	F	UNK	SR	137A-94	Sept 09 94	A
5	120	F	UNK	SR	136A-94	Sept 09 94	DP
6	121	F	UNK	SR	136A-94	Sept 09 94	DP
7	125	M	UNK	PH	Affidavit	June 1976	A
8	219	F	UNK	SR	137A-94	Sept 09 94	A
9	218	F	UNK	SR	137A-94	Sept 09 94	A
10	234	F	UNK	SR	137A-94	Sept 09 94	A
11	236	M	UNK	PH	Affidavit	May 1975	A
12	237	F	UNK	SR	137A-94	Sept 09 94	A
13	242	F	UNK	SR	137A-94	Sept 09 94	A
14	288	M	UNK	PH	Affidavit	May 1975	A
15	289	M	UNK	PH	Affidavit	May 1975	A
16	323	M	UNK	SR	136A-94	Sept 09 94	A
17	324	M	UNK	SR	137A-94	Sept 09 94	A
18	336	M	UNK	SR	137A-94	Sept 09 94	A
19	352	M	UNK	SR	137A-94	Sept 09 94	A
20	379	M	UNK	PH	Affidavit	June 1976	A
21	392	F	UNK	SR	137A-94	Sept 09 94	A
22	396	M	UNK	PH	Affidavit	April 1975	A
23	398	M	UNK	PH	Affidavit	April 1975	A
24	401	M	UNK	PH	Affidavit	April 1975	A
25	465	F	UNK	PH	Affidavit	June 1976	A
26	472	F	UNK	PH	Affidavit	June 1976	A
27	473	F	UNK	SR	137A-94	Sept 09 94	A
28	491	M	UNK	PH	Affidavit	April 1975	A
29	529	F	UNK	PH	Affidavit	June 1976	A
30	531	M	UNK	SR	137A-94	Sept 09 94	A
31	537	M	UNK	SR	137A-94	Sept 09 94	A
32	552	F	UNK	PH	Affidavit	June 1976	A
33	553	F	UNK	PH	Affidavit	June 1976	A
34	556	F	UNK	PH	Affidavit	June 1976	A
35	561	M	UNK	PH	Affidavit	June 1976	DaP
36	565	M	UNK	PH	Affidavit	June 1976	DaP
37	570	M	UNK	PH	Affidavit	June 1976	DaP
38	613	M	UNK	SR	137A-94	Sept 09 94	A
39	614	M	UNK	PH	Affidavit	June 1976	A
40	615	M	UNK	SR	137A-94	Sept 09 94	A
41	622	F	UNK	PH	Affidavit	April 1975	A

Annex A Scarlet Macaw

Species Count	Legband Number	Sex	Age	Source Country (ISO-Code)	Evidence of Legal Acquisition		Comments
					Import Permit	Date Issued	
42	862	M	UNK	SR	137A-94	Sept 09 94	A
43	1012	F	UNK	PH	Affidavit	April 1975	A
44	1013	F	UNK	PH	Affidavit	May 1975	A
45	1029	M	UNK	PH	Affidavit	June 1976	A
46	1033	M	UNK	PH	Affidavit	June 1976	A
47	1032	F	UNK	PH	Affidavit	May 1975	DaP
48	1034	F	UNK	PH	Affidavit	May 1975	A
49	1036	F	UNK	PH	Affidavit	May 1975	A
50	1037	F	UNK	PH	Affidavit	May 1975	DaP
51	1045	F	UNK	PH	Affidavit	May 1975	DaP
52	1484	F	UNK	SR	137A-94	Sept 09 94	A
53	NLB	U	UNK	PH	Affidavit	May 1975	DQ
54	NLB	U	UNK	PH	Affidavit	May 1975	DQ
55	NLB	U	UNK	PH	Affidavit	May 1975	DQ
56	NLB	U	UNK	PH	Affidavit	April 1975	DQ
57	NLB	U	UNK	PH	Affidavit	April 1975	DQ

Legend

A =	Alive
SR=	Suriname
UNK =	Unknown
DP =	Died prior to Pairing
DQ =	Died during Quarantine

Annex B Scarlet Macaw

Species Count	Legband Number	Sex	Age	Source Country (ISO-Code)	Evidence of Legal Acquisition		Comments
					Import Permit	Date Issued	
1	032	F	UNK	PH	Affidavit	April 1975	A
2	040	M	UNK	PH	Affidavit	June 1976	A
3	078	F	UNK	PH	Affidavit	April 1975	A
4	119	F	UNK	SR	137A-94	Sept 09 94	A
5	125	M	UNK	PH	Affidavit	June 1976	A
6	219	F	UNK	SR	137A-94	Sept 09 94	A
7	218	F	UNK	SR	137A-94	Sept 09 94	A
8	234	F	UNK	SR	137A-94	Sept 09 94	A
9	236	M	UNK	PH	Affidavit	May 1975	A
10	237	F	UNK	SR	137A-94	Sept 09 94	A
11	242	F	UNK	SR	137A-94	Sept 09 94	A
12	288	M	UNK	PH	Affidavit	May 1975	A
13	289	M	UNK	PH	Affidavit	May 1975	A
14	323	M	UNK	SR	136A-94	Sept 09 94	A
15	324	M	UNK	SR	137A-94	Sept 09 94	A
16	336	M	UNK	SR	137A-94	Sept 09 94	A
17	352	M	UNK	SR	137A-94	Sept 09 94	A
18	379	M	UNK	PH	Affidavit	June 1976	A
19	392	F	UNK	SR	137A-94	Sept 09 94	A
20	396	M	UNK	PH	Affidavit	April 1975	A
21	398	M	UNK	PH	Affidavit	April 1975	A
22	401	M	UNK	PH	Affidavit	April 1975	A
23	465	F	UNK	PH	Affidavit	June 1976	A
24	472	F	UNK	PH	Affidavit	June 1976	A
25	473	F	UNK	SR	137A-94	Sept 09 94	A
26	491	M	UNK	PH	Affidavit	April 1975	A
27	529	F	UNK	PH	Affidavit	June 1976	A
28	531	M	UNK	SR	137A-94	Sept 09 94	A
29	537	M	UNK	SR	137A-94	Sept 09 94	A
30	552	F	UNK	PH	Affidavit	June 1976	A
31	553	F	UNK	PH	Affidavit	June 1976	A
32	556	F	UNK	PH	Affidavit	June 1976	A
33	613	M	UNK	SR	137A-94	Sept 09 94	A
34	614	M	UNK	PH	Affidavit	June 1976	A
35	615	M	UNK	SR	137A-94	Sept 09 94	A
36	622	F	UNK	PH	Affidavit	April 1975	A
37	862	M	UNK	SR	137A-94	Sept 09 94	A
38	1012	F	UNK	PH	Affidavit	April 1975	A
39	1013	F	UNK	PH	Affidavit	May 1975	A
40	1029	M	UNK	PH	Affidavit	June 1976	A
41	1033	M	UNK	PH	Affidavit	June 1976	A

Annex *B* Scarlet Macaw

Species Count	Legband Number	Sex	Age	Source Country (ISO-Code)	Evidence of Legal Acquisition		Comments
					Import Permit	Date Issued	
42	1034	F	UNK	PH	Affidavit	May 1975	A
43	1036	F	UNK	PH	Affidavit	May 1975	A
44	1484	F	UNK	SR	137A-94	Sept 09 94	A

Legend

A = *Alive*
 SR= *Suriname*
 PH = *Philippines*
 UNK = *Unknown*
 A = *Alive*



CONVENTION ON INTERNATIONAL
TRADE IN ENDANGERED SPECIES
OF WILD FAUNA AND FLORA



IMPORT
EXPORT
RE-EXPORT

No 0341
PERMIT

COPY OF EXPORT
PERMIT ATTACHED
P. 136

1. EXPORTER/RE-EXPORTER ANIMAL INTERNATIONAL Jodenbreestraat 40A Paramaribo Suriname		2. ORIGINAL PERMIT NO. 136A-94		3. VALID UNTIL JAN 07 1995	
4. IMPORTER (CONSIGNEE) Birds International, Inc. 99 Timog Avenue, Diliman Q.C. Philippines		5. ISSUING AUTHORITY Republic of the Philippines Department of Environment and Natural Resources PROTECTED AREAS AND WILDLIFE BUREAU Telephone: (632) 924-60-31 to 35 Fax: 924-01-09			
6. SPECIAL CONDITIONS For live animals, this permit is only valid if the transport conditions conform to the Guidelines for Transport of Live Animals, or in the case of Air transport, to the IATA Regulations.		7. Country of (re-) exportation 7a. Permit number of original Permit (Import/Export) 1228 8. Country of destination Philippines 9. Security Stamp Number			
10. SCIENTIFIC NAME (GENUS AND SPECIES) OR COMMON NAME OF PLANT OR ANIMAL Scarlet Macaw (Ara macao)		11. DESCRIPTION OF PART OR DERIVATIVE, INCLUDING IDENTIFYING MARKS OR NUMBERS (AGE & SEX) Live		12. QUANTITY OF SPECIMEN AND/OR WEIGHT (Kg) 4 hd.	
-X-X-X-X-X-X-X-X-X-X-X-X-X-X- Nothing Follows -X-X-X-X-X-X-X-X-X-X-X-X-X-X- SEARCHED INDEX COPY MYRIAM N. LUTERAS OFFICE OFFICER II 1/1/94					
14. The undersigned hereby certifies that all information given in this permit are true and correct. MARY JEAN A. CALEDA OIC Wildlife Division SEP 09 1994 Date Issued		APPROVED BY: ORIGINAL SIGNED GORAZON CATIBOG-SINHA Director			
PERMIT CONDITIONS: ☒ The goods described above are permitted subject to all conditions specified herein in accordance with the IMPORT AND EXPORT permit and any regulations made there under. ☒ This permit is valid only for use of the applicant as indicated. ☒ Customs documents must agree with this permit. ☒ This permit is valid only if it bears the CITES mark, the seal of Protected Areas and Wildlife Bureau and no transshipments. ☒ No partial shipment is allowed under this permit. ☒ Original copy of this permit must be surrendered to the Mgt. Authority of the Importing country.		15. CHECKED BY CUSTOMS OFFICER (PORT OF ENTRY) DATE AND SIGNATURE VALIDATED BY DENR BR ORDERING TEAM: DATE AND SIGNATURE			

Amount Paid
PAWB OR No.
Date Issued

150.00
675786
1-28-94

150.00

150.00

150.00

150.00

150.00

150.00

150.00

150.00

Annex B3

17/08/94 15:43



CONVENTION ON
INTERNATIONAL TRADE IN
ENDANGERED SPECIES OF
WILDLIFE

17/08/94 15:43

PERMIT/CERTIFICATE NO. 3220

EXPORT
RE-EXPORT
IMPORT
OTHER:

11/1/94
December 11, 1994

1. Complete Name and address
Damen International
90 Tioque Avenue
Quezon City
Philippines

2. Country of destination
PHILIPPINES

3. Species/condition

4. Particulars of the transaction (see Annex 1)
TRADE
5. Quantity/weight
SR9121613

6. Scientific Name (Latin and vernacular)
and common name of animal, or plant

7. Description of species
including name of
country of origin

8. Appendix II
and III
(if applicable)

9. Quantity
and weight

10. Date of
export

11. ABA HACAU
Bokrauf

12. Live

13. IIW

14. 4 (four)

15. Country of origin
Suriname

16. Country of origin

17. Country of origin

18. Country of origin

19. Country of origin

20. Country of origin

21. This permit is issued by
Parsamoribo, augustus 12, 1994 Ir. F.L.J.

22. This permit is issued by
Parsamoribo, augustus 12, 1994 Ir. F.L.J.

23. This permit is issued by

24. This permit is issued by

25. REPORT PROGRESS

Block	Quantity
A	
B	
C	
D	

26. Reporting to the competent

27. Particulars

28. Reporting to the competent

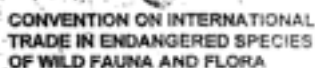
CITES PERMIT/CERTIFICATE NO. 3220

CERTIFIED XEROX COPY

MYRIAM N. LINDEN
RECORDS OFFICER

10/1 1994-121 POST AT-104

Annex B2



No. 0508
PERMIT

1. EXPORTER PERMIT NO. AQUA PION-K. KRUISLAND Lelydorferweg 49 District Venlo Surinam		2. ORIGINAL PERMIT NO. 137 A-94		3. VALID UNTIL JAN 07 1995	
4. IMPORTER (CONSIGNEE) Birds International Inc. 99 Timog Ave., Diliman, Quezon City Philippines		5. ISSUING AUTHORITY  Republic of the Philippines Department of Environment and Natural Resources PROTECTED AREAS AND WILDLIFE BUREAU Telephone: (032) 924-60-31 to 35 Fax: 924-01-09			
6. SPECIAL CONDITIONS * FOR BREEDING PURPOSES * For live animals, this permit is only valid if the transport conditions conform to the Guidelines for Transport of Live Animals, or in the case of Air transport, to the IATA Regulations.		7. Country of (re-)exportation Surinam			
		8. Permit number of original permit (in case of Re-export) 319			
		9. Country of destination Philippines			
		10. Security Stamp Number PH9120367			
SCIENTIFIC NAME (GENUS AND SPECIES OR COMMON NAME OF PLANT OR ANIMAL)		11. DESCRIPTION OF PART OR DERIVATIVE INCLUDING IDENTIFYING MARKS OR NUMBERS (AGE & SEX)	12. APPROXIMATE NUMBER AND SOURCE	13. QUANTITY OF SPECIMEN AND/OR WEIGHT (kg.)	
Scarlet Macaw (<i>Ara macao</i>)		Live	II(U)	16 bds.	
Blue-cheeked Amazon (<i>Amazona dufrenoyana</i>)		Live	II(U)	3 bds.	
-X-X-X-X-X-X-X-X-X-X-X-X- Nothing Follows X-X-X-X-X-X-X-X-X-X-X- CERTIFIED TRUE COPY MARY JEAN A. CAYSON RECORDS OFFICER II SEP 09 1994					
14. The undersigned hereby certifies that all information given in this permit are true and correct.		APPROVED BY:			
MARY JEAN A. CAYSON OIC, Wildlife Division Date Issued: SEP 09 1994		ORIGINAL SIGNED CORAZON CASIDAG-SINIA DATE: SEP 08 1994			
PERMIT CONTAINS:		IS CHECKED BY CUSTOMS OFFICER (PORT OF ENTRY)?			
☒ The goods described above are permitted subject to all provisions contained herein in accordance with the IMPORT AND EXPORT permits set and any regulations made there under. This permit is valid only for one of the applicant as indicated. Customs documents must agree with this permit. No partial shipment is allowed under this permit. Original copy of this permit must be surrendered to the Major Authority of the Importing country.		DATE AND SIGNATURE: VALUED BY DENR ANTI-WILDLIFE TEAM: DATE AND SIGNATURE:			

Annex B:



CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES OF WILDLIFE

☒ EXPORT
☐ RE-EXPORT
☐ IMPORT
☐ OTHER:

Original

1. Issued on
DECEMBER 31, 1994
 2a. Expiry date (month)

2. Country of origin and address of exporter
BIRDS INTERNATIONAL
99 TRIMODIAVENUE
QUEZON CITY
PHILIPPINES

3. Permittee name and address, country
AQUA FISH-H. KRUISLAND
LELYDORPERWEG 49
DISTRIKT WANICA
SURINAME

4. Species of the animal and plant
TRADE
SRG121583

5. Name, address, national authority and quality of Management Authority
Head SURINAM FOREST SERVICE
Att: Head of Nature Conservation Division
Cornelis Jonghwastraat 10, Postbox 438
PARAMARIBO
SURINAME



6. Scientific name (Latin) and authority
 7. Description of specimen, including quantity, sex, age, etc.
 8. Permittee's sex and source (see 7.1)
 9. Quantity, including sex
 10. Total quantity (see 7.1)

11. Are there any other specimens?
live
II W
XX16X2

12. Country of origin (see 2)
Suriname
 13a. Country of destination (see 3)
Suriname
 13b. No. of the breeding operation (see 4) or date of acquisition (see 4)

14. Are there any other specimens?
live
II W
XX3XX

15. Country of origin (see 2)
Suriname
 16a. Country of destination (see 3)
Suriname
 16b. No. of the breeding operation (see 4) or date of acquisition (see 4)

17. Country of origin (see 2)
Suriname
 18a. Country of destination (see 3)
Suriname
 18b. No. of the breeding operation (see 4) or date of acquisition (see 4)

19. Country of origin (see 2)
Suriname
 20a. Country of destination (see 3)
Suriname
 20b. No. of the breeding operation (see 4) or date of acquisition (see 4)

21. Country of origin (see 2)
Suriname
 22a. Country of destination (see 3)
Suriname
 22b. No. of the breeding operation (see 4) or date of acquisition (see 4)

23. Country of origin (see 2)
Suriname
 24a. Country of destination (see 3)
Suriname
 24b. No. of the breeding operation (see 4) or date of acquisition (see 4)

25. Country of origin (see 2)
Suriname
 26a. Country of destination (see 3)
Suriname
 26b. No. of the breeding operation (see 4) or date of acquisition (see 4)

27. Country of origin (see 2)
Suriname
 28a. Country of destination (see 3)
Suriname
 28b. No. of the breeding operation (see 4) or date of acquisition (see 4)

29. Country of origin (see 2)
Suriname
 30a. Country of destination (see 3)
Suriname
 30b. No. of the breeding operation (see 4) or date of acquisition (see 4)

31. Country of origin (see 2)
Suriname
 32a. Country of destination (see 3)
Suriname
 32b. No. of the breeding operation (see 4) or date of acquisition (see 4)

33. Country of origin (see 2)
Suriname
 34a. Country of destination (see 3)
Suriname
 34b. No. of the breeding operation (see 4) or date of acquisition (see 4)

35. Country of origin (see 2)
Suriname
 36a. Country of destination (see 3)
Suriname
 36b. No. of the breeding operation (see 4) or date of acquisition (see 4)

37. Country of origin (see 2)
Suriname
 38a. Country of destination (see 3)
Suriname
 38b. No. of the breeding operation (see 4) or date of acquisition (see 4)

39. Country of origin (see 2)
Suriname
 40a. Country of destination (see 3)
Suriname
 40b. No. of the breeding operation (see 4) or date of acquisition (see 4)

41. Country of origin (see 2)
Suriname
 42a. Country of destination (see 3)
Suriname
 42b. No. of the breeding operation (see 4) or date of acquisition (see 4)

43. Country of origin (see 2)
Suriname
 44a. Country of destination (see 3)
Suriname
 44b. No. of the breeding operation (see 4) or date of acquisition (see 4)

45. Country of origin (see 2)
Suriname
 46a. Country of destination (see 3)
Suriname
 46b. No. of the breeding operation (see 4) or date of acquisition (see 4)

47. Country of origin (see 2)
Suriname
 48a. Country of destination (see 3)
Suriname
 48b. No. of the breeding operation (see 4) or date of acquisition (see 4)

49. Country of origin (see 2)
Suriname
 50a. Country of destination (see 3)
Suriname
 50b. No. of the breeding operation (see 4) or date of acquisition (see 4)

51. Country of origin (see 2)
Suriname
 52a. Country of destination (see 3)
Suriname
 52b. No. of the breeding operation (see 4) or date of acquisition (see 4)

53. Country of origin (see 2)
Suriname
 54a. Country of destination (see 3)
Suriname
 54b. No. of the breeding operation (see 4) or date of acquisition (see 4)

Original permit
 Hallen
 7/1

IDENTIFIED XEROX COPY

CITES PERMIT/CERTIFICATE N°3199

MYNEN H. LINDENAD
 RECORDS OFFICER II

Handwritten signature

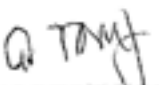
JOINT AFFIDAVIT

WE, **ANTONIO M. DE DIOS** and **ALBERT TOM** both of legal age, Filipino with address at No. 99 Timog Ave., Quezon City and No 36 Com-Mart Compound, Severina, Paranaque City respectively after having been duly sworn in accordance with law, depose and state as follows:

1. **ALBERT TOM** is engaged in the business of buying and selling birds and other pet animals and as such has been a licensed pet shop operator since 1960 and is licensed to import pets such as birds.
2. On or about the year 1970, **ANTONIO DE DIOS** was introduced to **ALBERT TOM** by mutual acquaintances. Thereafter, the two had frequent interactions related to their mutual interest in birds and became friends.
3. Since at that time **DE DIOS** was a pet lover and bird hobbyist, he became interested in some of the birds being sold by **TOM**, particularly the Macaw.
4. On or about the period of April 1975, **DE DIOS** purchased from **TOM**, TEN (10) heads of Scarlet Macaw, on May 1975, TWELVE (12) heads Scarlet Macaw and on June 1976, FIFTEEN (15) heads of Scarlet Macaw. Since this was a transaction among friends, no official receipt was issued covering the said transactions.
5. Moreover, during the time of the transactions mentioned, the Philippines was not a party of the Convention on the International Trade of Endangered Species (CITES).
6. Eventually, **DE DIOS** was able to successfully breed the birds he had purchased from **TOM**.
7. We execute this affidavit to attest to the truth of the foregoing and for whatever legal purpose it may serve.

FURTHER AFFIANT SAYETH NAUGHT.

February _____, 2005


ALBERT TOM
Affiant


ANTONIO M. DE DIOS
Affiant

SUBSCRIBED AND SWORN to before this 8th day of February 2005, affiants exhibiting to me their Community Certificate No. _____ issued at _____ on _____ and Community Certificate No. _____ issued at _____ on _____

Doc. No. 819;
Page No. 64;
Book No. 479;
Series of 2005


JOSE L. MA. SANTOS
Notary Public
Comm. until Dec. 31, 2005
PTR No. 6010914-QC-1/3/0
TIN: 133-063-043
IBP No. 817531-QC-1/3/01
ROLL No. 14779-3/11/00
OFFICE - 12 East Ave. Q.C.

Exhibit 1

Annex C - Scarlet Macaw (Information on the Percentage of Mortalities in the Different Age Groups) Male / Female

I. F1= 235 heads, Total Production 1985-Present

Mortalities =	108 hds	46	%
Live =	127 hds	54	%
Total =	235 hds	100	%

Classification of Mortalities (Age Groups)	Sex Classification						Total	
	M		F		U			
	Hds	%	Hds	%	Hds	%	Hds	%
c								
1 day-12 months	14	9	13	8	4	3	31	13
12 months - 48 months	15	10	34	0	0	0	49	21
48 months and Above	19	12	9	6	0	0	28	12

108	46
-----	----

II. F2= 445 heads, Total Production 1992 -Present

Mortalities =	182 hds	41	%
Live =	263 hds	59	%
Total =	445 hds	100	%

Classification of Mortalities (Age Groups)	Sex Classification						Total	
	M		F		U			
	Hds	%	Hds	%	Hds	%	Hds	%
1 day-12 months	0	0	3	1	95	33	98	22
12 months - 48 months	13	5	15	5	30	11	58	13
48 months and Above	16	6	4	1	6	2	26	6

182	41
-----	----