

EAZA Yearbook 2007/2008

Please note that this document is one chapter of the EAZA Yearbook 2007/2008. Please visit the EAZA website to download the other chapters or the complete Yearbook:

<http://www.eaza.net/activities/cp/Pages/yearbook.aspx>

EAZA Toucan and Turaco TAG

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EAZA Toucan and Turaco TAG Annual Report 2007 - 2008



1. Information on organisation, structure and activities of the TAG

TAG chair:	John A. Ellis, London	john.ellis@zsl.org
TAG vice-chair:	Harald Schmidt, Rotterdam	h.schmidt@rotterdamzoo.nl
TAG members:	Andrzej Kruszewicz (Warszawa) Louise Peat (Burford) Martin Smrcek (Dvur-kralove) Frederic Verstappen (Antwerpen)	
Current EEPs:		
Current ESBs:	Violet turaco (<i>Musophaga violacea</i>) Toco toucan (<i>Ramphastos toco</i>) Red-crested turaco (<i>Tauraco erythrolophus</i>) Fischer's turaco (<i>Tauraco fischeri</i>) Hoopoe (<i>Upupa epops</i>)	
TAG meeting:	Date of last meeting: Not specified.	
Regional Collection Plan:	Has a RCP been published? No	
Publications:	Not specified.	

2. Information on developments during 2007 - 2008

Not specified.

3. TAG goals for 2009

Not specified.



Violet turaco
ESB Annual Report 2007 - 2008



1. Programme information

Violet turaco

Musophaga violacea

ESB established in 2000.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

European Studbook Keeper

Andrzej Kruszewicz (Warszawa)

3. Publications

Studbook

Recent edition: 2001

Next edition: 2010

Husbandry guidelines

Not yet published.

4. Status

Status and developments over the year 2007 - 2008

Violet turaco
Musophaga violacea

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		AALBORG	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		ALFRISTON	0.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.1.0	0.0.0	0.0.0	0.2.0
*		ALMATY	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		ALPHEN	1.1.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
*		ALWABRA	3.3.2	0.0.1 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.3.3
		AMSTERDAM	0.1.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		ANTWERPEN	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.0.0	2.1.0
		ATHINAI	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		BARCELONA-ZOO	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		BELFAST	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		BERLIN-TIERPARK	0.1.2	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.2
*		BLACKPOOL	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.0.0	0.1.0
*		BOURTON-WATER	0.0.1	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.0.1
		BUDAPEST	1.0.2	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.2
		BURFORD	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.3.0	2.0.0
		CAMBRON-CASTEAU	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		CHESTER	1.2.2	0.0.1 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.3
		DEIGNE	0.1.1	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.1
		DUDLEY	0.0.1	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.1	0.0.0
		DUISBURG	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		EDINBURGH	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		FRANKFURT	0.2.1	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.1
		GDANSK	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		GELSENKIRCHEN	0.2.2	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.2
		HALLE	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		HAREWOOD	1.4.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.4.0
		HAYLE	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
		HEIDELBERG	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
*		HILVARENBEEK	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
		JERUSALEM	0.0.2	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.0.2
*		KOBENHAVN-ZOO	0.0.0	0.0.0 (0.0.0)	0.0.1	0.0.0	0.0.0	0.0.0	0.0.0	0.0.1
		KOLN	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.0.0	2.0.0
		KREFELD	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		LISBOA-ZOO	3.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.2.0
		LODZ	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	0.3.0
		MULHOUSE	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		NURNBERG	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		OPOLE	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
		OSNABRUCK	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		PARIS-ZOO	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.0.0	0.2.0
		RANDERS	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0	0.0.0
		SANTILLANA	2.2.1	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.1	2.1.0
*		SIGEAN	0.0.4	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.0.4
		STRAUBING	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
		USTI-NAD-LABEM	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
		VESZPREM	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		WALSRODE	0.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.4.0
		WARSAWA	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0	1.2.0
		WROCLAW	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	2.1.0
		ZLIN	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	2.0.0	0.0.0	2.0.0	2.2.0



Violet turaco
ESB Annual Report 2007 - 2008



ZURICH	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
Total (51)	38.63.21	0.1.2 (0.0.0)	1.2.1	0.0.0	5.7.0	0.0.0	2.7.2	42.66.22

Summary

Not specified.



Fischer's turaco

ESB Annual Report 2007 - 2008



1. Programme information

Fischer's turaco

Tauraco fischeri

ESB established in 1999.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

European Studbook Keeper

Frederic Verstappen (Antwerpen)

3. Publications

Studbook

Recent edition: 2008

Next edition: 2011

Husbandry guidelines

Not yet published.

4. Status

Status and developments over the year 2007 - 2008

Fischer's turaco

Tauraco fischeri

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		AMSTERDAM	1.1.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	1.0.0	0.0.0
		ANTWERPEN	3.2.0	2.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	2.1.0	3.2.0
		ATHINAI	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.0.0
*		BASEL	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		CHESTER	4.3.0	1.0.6 (0.0.6)	0.0.0	1.1.0	0.0.0	1.0.0	1.1.0	2.1.0
		CLERES	1.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.1.0	1.0.0
		DUISBURG	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		FRANKFURT	0.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	1.0.0	0.0.0	0.0.0	1.1.0
		KREFELD	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.0.0
		LANDAU	1.1.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		LISIEUX	2.0.0	0.0.0 (0.0.0)	1.1.0	0.0.0	0.1.0	0.0.0	0.0.0	3.2.0
		LONDON	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.1.0
		MULHOUSE	4.3.0	5.5.1 (0.0.1)	0.0.0	2.3.0	0.0.0	3.1.0	0.2.0	4.2.0
*		ROMA	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		VILLARS-DOBES	0.0.0	0.0.0 (0.0.0)	1.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		Total (15)	22.15.0	8.6.7 (0.0.7)	2.5.0	3.5.0	1.1.0	4.1.0	5.6.0	21.15.0
		Non-EAZA Institutions (5)	4.6.0	0.0.0 (0.0.0)	3.1.0	1.0.0	1.0.0	0.2.0	1.0.0	6.5.0

Summary

More participating institutions should keep at least two pairs. Pair formation is not that easy and this will give more opportunities for having compatible breeding pairs, resulting in more breeding.

The population is still not sufficiently growing. More efforts must be undertaken to increase the numbers in the population and pair the unpaired birds between the institutions.

Perhaps it is advisable for some pairs to artificially incubate their eggs for them. When a pair easily breaks their eggs you can replace them with dummies. When the chicks have hatched and are fully dry you just place them back into their nest.

Because many couples do not seem to give any offspring, hand-rearing some of their chicks could be a way to increase numbers and can give us



Fischer's turaco

ESB Annual Report 2007 - 2008



more opportunities to pair-up young birds.

Notes

The studbook keeper joined the ESB with a pair of birds from his private collection in 2006 and received a second pair in 2007 from Mulhouse. Waddesdon, Frankfurt and Villars les Dombes joined the ESB.

Attica left the ESB because of the death of their male. It was a wild caught bird but never had the chance to contribute to the studbook.

Waddesdon received the male from Leeds Castle, so Maidstone is no longer participating.



Red-crested turaco
ESB Annual Report 2007 - 2008



1. Programme information

Red-crested turaco

Tauraco erythrolophus

ESB established in 2006.

2. Programme personnel

European Studbook Keeper

Louise Peat (Burford)

3. Publications

Studbook

Recent edition: 2007

Next edition: 2009

Husbandry guidelines

Published in 2007.

4. Status

Status and developments over the year 2007 - 2008

Red-crested turaco
Tauraco erythrolophus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		ARNHEM	4.6.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	2.0.0	2.4.0
		ATHINAI	0.1.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		BANHAM	0.1.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		BELFAST	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		BESANCON	0.0.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.3.0	0.0.0	0.3.0	1.0.0
		BOURTON-WATER	1.1.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.2.0	1.0.0
*		BRISTOL	0.0.0	0.0.0 (0.0.0)	1.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		BURFORD	1.1.0	0.0.0 (0.0.0)	0.1.0	1.0.0	2.0.0	0.0.0	0.0.0	2.2.0
		CAMBRON-CASTEAU	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.1.0	0.0.0	2.1.0
		CHESTER	1.2.0	0.0.5 (0.0.0)	0.0.0	0.0.0	0.0.0	0.1.0	1.0.4	0.1.1
*		DUBLIN	0.0.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
*		HAMBURG	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.1.0	1.0.0
		HAREWOOD	1.2.0	1.3.2 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.1	0.0.1	2.4.0
		HAYLE	2.2.0	3.3.7 (0.0.0)	0.0.0	1.2.0	0.0.0	2.0.0	0.1.7	2.2.0
		JERSEY	5.3.0	0.0.1 (0.0.0)	0.0.0	2.0.0	0.0.0	0.0.0	0.0.1	3.3.0
		JERUSALEM	1.1.2	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.1	0.0.1	0.0.0	1.1.2
*		KERZERS	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0	1.1.0
		KOBENHAVN-ZOO	1.2.0	0.2.1 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.1	1.4.0
		KOLN	1.1.0	0.0.2 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.2	1.1.0
		LEIPZIG	1.1.0	0.1.1 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.1	1.1.0
		LISBOA-ZOO	2.6.0	0.0.0 (0.0.0)	0.1.0	1.3.0	0.0.0	0.0.0	0.3.0	1.1.0
		LONDON	2.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	2.2.0
*		MONTPELLIER	0.0.0	0.0.0 (0.0.0)	1.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		MULHOUSE	4.1.0	0.0.2 (0.0.0)	0.0.0	2.0.0	0.0.0	1.0.0	0.0.2	1.1.0
		MUNSTER	0.2.0	0.0.1 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.1.1	1.1.0
		NEWCHURCH	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0	0.0.0
		PAIGNTON	2.1.0	0.0.0 (0.0.0)	1.0.0	1.0.0	0.0.0	0.0.0	1.0.0	1.1.0
*		PLZEN	0.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		RHENEN	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0	1.1.0
*		SANTILLANA	0.0.0	1.0.1 (0.0.0)	1.3.0	0.0.0	0.0.0	0.0.0	1.2.1	1.1.0
		TWYCROSS	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.1.0
*		VILLARS-DOBES	0.0.0	1.2.0 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.0.0	2.2.0
		WALSRODE	2.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	2.0.0	0.3.0
		Total (33)	36.43.2	6.11.23 (0.0.0)	8.9.0	8.9.0	7.8.1	3.2.2	8.15.21	38.45.3
		Non-EAZA Institutions (10)	8.11.1	1.0.0 (0.0.0)	0.0.0	0.0.0	8.4.0	4.4.0	3.3.0	10.8.1

Summary

Brief overview.

Over the last two years there has been an increase in holders for this species, and there are more institutions interested in holding this species as and when pairs become available.

The population has remained stable, with several holders achieving breeding success during the last year.

Several birds have entered the population through private individuals; origins for some of these individuals are still trying to be located.

Work is still underway to clean up gaps in origins for several individuals in the population, until this information is located analysis of the population is difficult.



Red-crested turaco

ESB Annual Report 2007 - 2008



A potential genetic issue has arisen with a few birds in the population, this is under scrutiny and when the necessary evidence is found recommendations will be made to prevent any further problems.

Breeding success rate – although improved still only a hand full of collections are having success - further investigation required.

Poorly represented bloodlines that are not achieving breeding success will be assessed with a view to improving breeding opportunities.



Toco toucan
ESB Annual Report 2007 - 2008



1. Programme information

Toco toucan

Ramphastos toco

ESB established in 1998.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

European Studbook Keeper

John Ellis (London)

3. Publications

Studbook

Recent edition: 1997

Next edition: 2009

Husbandry guidelines

Not yet published.

4. Status

Status and developments over the year 2007 - 2008

Toco toucan
Ramphastos toco

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		AALBORG	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
		ATHINAI	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.1.0
		AVINTES	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
*		BANHAM	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.0.0	1.0.0	0.0.0	0.0.0
*		BARCELONA-ZOO	0.0.0	0.0.0 (0.0.0)	0.0.1	0.0.0	0.0.0	0.0.0	0.0.0	0.0.1
*		BENIDORM	2.2.0	0.0.0 (0.0.0)	0.0.0	1.1.0	0.0.0	0.0.0	0.0.0	1.1.0
*		BESANCON	0.0.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.1.0	0.0.0	0.0.0	1.1.0
		BLACKPOOL	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0	0.0.0
		BROXBOURNE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		CAMBRON-CASTEAU	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
		DUDLEY	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		DVUR-KRALOVE	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
*		ESTEPONA	0.0.1	0.0.0 (0.0.0)	1.1.0	0.0.0	0.0.0	0.0.0	0.1.0	1.0.1
		FUENGIROLA	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		HAYLE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		KOLN	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0	1.1.0
		KREFELD	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.1.0
		LA-FLECHE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		LEIPZIG	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0	1.1.0
		LIBEREC	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		LIGNANO	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.1.0
*		LINTON	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		LISBOA-ZOO	3.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	2.1.0
		LONDON	4.3.0	2.0.5 (0.0.4)	0.0.0	1.0.0	0.0.0	0.0.0	1.1.1	4.2.0
*		MADRID-FAUNIA	2.1.1	0.0.1 (0.0.0)	0.0.0	0.0.1	0.0.0	0.0.0	0.0.0	2.1.1
*		MALTON	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		MOSKVA	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0	1.1.0
		NEWCHURCH	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		NOVOSIBIRSK	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.0.0	1.1.0
		PAIGNTON	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.0.0
		PLEUGUENEUC	1.1.0	0.0.0 (0.0.0)	0.0.0	1.0.0	1.1.0	0.0.0	0.1.0	1.1.0
		RHENEN	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		ROTTERDAM	2.3.0	4.1.1 (0.0.1)	2.0.0	0.0.0	0.2.0	0.0.0	3.1.0	5.5.0
		SANTILLANA	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
*		VILLARS-DOBES	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.2.0	0.1.0	0.0.0	1.1.0
		WALSRODE	2.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.0.0
		WARSZAWA	1.1.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.1.0	0.0.0
		WHIPSNADDE	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
		WUPPERTAL	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.1.0	0.1.0	1.1.0
		ZLIN	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		Total (40)	39.29.2	6.1.7 (0.0.5)	4.1.1	4.1.1	6.12.0	1.2.0	10.8.1	40.32.3

Summary

There is still limited breeding within the population, mainly in two collections whose blood lines are now well represented within the studbook. Work is continuing in pairing single birds. The population still has a high male imbalance.