

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 Monotreme and Marsupial TAG

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Brush-tailed rock wallaby (*Petrogale penicillata*) ESB (by David Gill) (No report available)



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

TAG chair:	Udo Ganslosser, Greifswald-uni_NE	udo@ganslosser.de
TAG vice-chair:	Peter Dillingham, Blackpool	peter.dillingham@blackpoolzoo.org.uk
TAG members:	Esmeralda Dols (Epe) Wolfgang Dressen (Krefeld) David S. Gill (Dalton-furness) Ewa Trzesowska (Poznan) Achim Winkler (Duisburg)	
Current EEPs:	Brush-tailed bettong (<i>Bettongia penicillata</i>) Goodfellow's tree kangaroo (<i>Dendrolagus goodfellowi</i>) Matschie's tree kangaroo (<i>Dendrolagus matschiei</i>) Common wombat (<i>Vombatus ursinus</i>)	
Current ESBs:	Kowari (<i>Dasyuroides byrnei</i>) Agile wallaby (<i>Macropus agilis</i>) Tammur wallaby (<i>Macropus eugenii</i>) Western grey kangaroo (<i>Macropus fuliginosus</i>) Great grey kangaroo (<i>Macropus giganteus</i>) Red kangaroo (<i>Macropus rufus</i>) Brush-tailed rock wallaby (<i>Petrogale penicillata</i>) Swamp wallaby (<i>Wallabia bicolor</i>)	
TAG meeting:	Date of last meeting: 19 September 2008 Last meeting hosted at Antwerpen Zoo (Royal Zoological Society of Antwerp).	
Regional Collection Plan:	Has a RCP been published? Yes Next edition to be published in 2010.	
Publications:	Not specified.	

2. Information on developments during 2007 - 2008

- Adapt the first version of the RCP (Australasian animals) to the new standard RCP format.
- Start to establish conservation links with tree-kangaroo and koala projects.
- Start MON-P for yellow-footed rock wallaby following to the first imports from zoos in the United States.
- Husbandry guidelines for some species have been completed and included on the EAZA website.

3. TAG goals for 2009

- Broaden and intensify the TAG's links with conservation.
- Finish the RCP for South American species.
- Start to establish a research profile and priorities.
- Draft further husbandry guidelines for recommended taxa.



Kowari

ESB Annual Report 2007 - 2008



1. Programme information

Kowari

Dasyuroides byrnei

ESB established in 2006.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

European Studbook Keeper

Ewa Trzesowska (Poznan)

3. Publications

Studbook

Recent edition: 1998

Next edition: 2010

Husbandry guidelines

Published in 2000.

4. Status

Status and developments over the year 2007 - 2008

Kowari

Dasyuroides byrnei

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		FRANKFURT	1.2.0	6.6.0 (0.0.0)	1.2.0	0.0.0	0.0.0	2.2.0	1.4.0	5.4.0
		MARWELL	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	0.0.0
		POZNAN	8.6.0	3.4.0 (0.0.0)	0.0.0	1.2.0	0.0.0	2.2.0	4.3.0	4.3.0
		Total (3)	9.9.0	9.10.0 (0.0.0)	1.2.0	1.2.0	0.0.0	4.4.0	5.8.0	9.7.0
		Non-EAZA Institutions	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	4.4.0	0.0.0	2.2.0	2.2.0

Summary

The population is extremely small. No animals are kept outside the EAZA region. The main goal is to breed as many animals as possible.



Common wombat

EEP Annual Report 2007 - 2008



1. Programme information

Common wombat

Vombatus ursinus

EEP established in 2004.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Achim Winkler (Duisburg)

3. Activities

Species Committee

Last election: No election ever held.

Last meeting: 20 September 2008 Antwerpen

Conservation activities

Not specified.

Research activities

Research on reproductive biology of wombats.

4. Publications

Studbook

Recent edition: Not yet published.

Next edition: 2012

Husbandry guidelines

Not yet published.

5. Status

Status and developments over the year 2007 - 2008

Common wombat

Vombatus ursinus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		DUISBURG	3.2.0	0.0.4 (0.0.4)	0.0.0	1.0.0	0.0.0	0.0.0	0.1.0	2.1.0
		HANNOVER	1.1.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.1.0
		MECHELEN	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
		Total (3)	5.4.0	0.0.4 (0.0.4)	1.0.0	1.0.0	0.0.0	0.0.0	0.1.0	5.3.0

Summary

Summary for 2007 and 2008:

The Common wombat EEP is a tiny breeding programme, which was initiated to guarantee the survival of this unique species in the European zoo scene, and to have an official status if and when new animals can be imported from Australia. New animals are desperately needed to strengthen the present population and to encourage breeding, which has not occurred in Europe for a number of years.

The oldest known wombat on record died in 2008 at Zoo Duisburg at the age of 34 years.

Problems:

- Very small population size.
- Small founder population.
- No recent breeding successes.



Common wombat

EEP Annual Report 2007 - 2008



-
- New animals required to strengthen the genetic base of the population.

Recommendations for the next year(s):

Potential breeding pairs have been established at the three holding institutions. Also in view of the fact that no breeding as so far occurred among these pairs, it would be desirable to import more animals from Australia to widen the gene pool and to establish more potential breeding pairs.



Brush-tailed bettong

EEP Annual Report 2007 - 2008



1. Programme information

Brush-tailed bettong

Bettongia penicillata

EEP established in 1994.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Esmeralda Dols (Epe)

3. Activities

Species Committee

Last election: No election ever held.

Last meeting:

Conservation activities

Not specified.

Research activities

Not specified.

4. Publications

Studbook

Recent edition: Not yet published.

Next edition: 2009

Husbandry guidelines

Not yet published.

5. Status

Status and developments over the year 2007 - 2008

Brush-tailed bettong

Bettongia penicillata

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		AMERSFOORT	1.3.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	1.1.0	1.2.0
		BERLIN-TIERPARK	3.6.0	7.5.0 (0.0.0)	0.0.0	0.0.0	0.0.0	4.0.0	2.3.0	4.8.0
		BRATISLAVA	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
		BRNO	1.2.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.3.0
		BUDAPEST	1.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.3.0
		CAMBRON-CASTEAU	2.3.0	0.2.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.5.0
		DALTON-FURNESS	1.6.0	2.7.2 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	2.8.1	2.5.1
		DORTMUND	2.2.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0	1.2.0
		DUISBURG	2.7.0	2.1.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.4.0	3.4.0
*	*	HLUBOKA-VLTAVOU	5.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	5.3.0
*		LEEUWARDEN	0.0.0	0.3.4 (0.0.0)	1.2.0	0.0.0	0.0.0	0.0.0	0.2.3	1.3.1
		LODZ	1.4.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	1.3.0
		OLOMOUC	0.1.0	3.1.0 (0.0.0)	3.3.2	1.0.0	1.0.0	1.0.0	1.2.0	4.3.2
		PLZEN	4.8.0	4.2.3 (0.0.0)	0.0.0	4.6.2	0.0.0	0.0.0	0.0.0	4.4.1
		PRAHA	3.6.0	0.1.0 (0.0.0)	0.0.0	2.2.0	0.0.0	0.0.0	0.1.0	1.4.0
		RAMAT-GAN	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
		RIGA	0.2.0	1.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	1.1.0	1.1.0
		ST-AIGNAN	3.0.0	0.0.0 (0.0.0)	3.3.0	2.0.0	0.0.0	0.0.0	4.2.0	0.1.0
		Total (18)	29.60.0	19.23.9 (0.0.0)	10.9.2	10.9.2	1.0.0	5.0.0	12.28.4	32.55.5



Brush-tailed bettong

EEP Annual Report 2007 - 2008



Summary

The population remained quite stable with 89 animals in the beginning of 2007 and 93 at the end of 2008. Transfers to non-EEP participants should be avoided despite the problem of too few participants to replace the surplus animals in a short period of time. In 2007 Leeuwarden has joined the EEP with a breeding group.

Inbreeding is still a major problem within the population. Exchanging non-related individuals from Japan and North America would be necessary in the future.

A problem for future recommendations is the high percentage of unknown parentage. One or both parents are often unknown which makes it difficult to replace surplus individuals and avoid inbreeding as much as possible.



Goodfellow's tree kangaroo

EEP Annual Report 2007 - 2008



1. Programme information

Goodfellow's tree kangaroo

Dendrolagus goodfellowi

EEP established in 1990.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Wolfgang Dressen (Krefeld)

3. Activities

Species Committee

Last election: 2006

Last meeting: 15 September 2007 Warszawa

Conservation activities

One in situ project was established within the last years: the "Tenkile Conservation Alliance" is based in Papua New Guinea's Torricelli mountains. The project's aim is to save the critically endangered tree kangaroo species of this area as the tenkile (*Dendrolagus scottae*), the Golden-mantled tree kangaroo (*D. goodfellowi pulcherimus*) and the Grizzled tree kangaroo (*D. inustus finschi*). Zoos Victoria, Australia, is the program's major supporter.

Research activities

Not specified.

4. Publications

Studbook

Recent edition: Not yet published.

Next edition: 2010

Husbandry guidelines

Published in 2007.

5. Status

Status and developments over the year 2007 - 2008

Goodfellow's tree kangaroo
Dendrolagus goodfellowi

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		BELFAST	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
*		DORTMUND	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
*		EPE	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
		FRANKFURT	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.1.0
		KREFELD	2.2.0	0.1.0 (0.0.0)	0.0.0	0.2.0	0.2.0	0.0.0	0.0.0	2.3.0
		ST-AIGNAN	2.2.0	1.1.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	3.2.0
		WALSRODE	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
		Total (7)	7.6.0	1.2.0 (0.0.0)	0.3.0	0.3.0	0.2.0	0.0.0	1.0.0	7.10.0

Summary

During the first International Tree Kangaroo Summit at the Atheron Tablelands, Queensland, Australia, in 2005 it was agreed to manage the zoo population on a global level. Whereas the North American regional collection plan designated the Matschie's tree kangaroo for SSP level management, it was determined to manage the Goodfellow's tree kangaroo in Europe, Australia, Asia and New Guinea and that it should be phased out of North America. Momentarily nine institutions from Australia, Europe, Asia and USA take part in the Goodfellow's tree kangaroo ISB. Following



Goodfellow's tree kangaroo

EEP Annual Report 2007 - 2008



the meeting's transfer recommendations five new animals from US and Australian zoos were shipped to Europe and new pairs were established with offspring deriving from the breeding pair at Krefeld Zoo.

After the dramatic decline of tree kangaroos in Europe during the 90ies the population of Goodfellow's tree kangaroos shows a definite growth since 2005 with 17 animals kept in seven European institutions by the end of 2008. Whereas the Krefeld pair is continuing to breed, one of the two pairs at Beauval has regular offspring. Unfortunately the Krefeld line is genetically overrepresented and further unrelated animals need to be imported from the SSP.

Good cooperation between all holders will be essential for the future of this species in EAZA zoos by following the recommendations of the International Studbook on a world-wide level.

Notes

The SSP Tree Kangaroo Husbandry Manual (edited by Jacque Blessington and Judie Steenberg) has been published in 2007 and was adopted for the EEP.



Matschie's tree kangaroo

EEP Annual Report 2007 - 2008



1. Programme information

Matschie's tree kangaroo

Dendrolagus matschiei

EEP established in 1990.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Wolfgang Dressen (Krefeld)

3. Activities

Species Committee

Last election: No election ever held.

Last meeting:

Conservation activities

Not specified.

Research activities

Not specified.

4. Publications

Studbook

Recent edition: Not yet published.

Next edition: 2010

Husbandry guidelines

Not yet published.

5. Status

Status and developments over the year 2007 - 2008

Matschie's tree kangaroo
Dendrolagus matschiei

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		DUISBURG	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
		KOLN	1.2.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
		ST-AIGNAN	2.1.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		Total (3)	4.4.0	0.0.0 (0.0.0)	1.0.0	1.0.0	0.0.0	0.0.0	1.1.0	3.3.0

Summary

The European population is small with little reproductive success. Based on previous discussions (see Goodfellow's tree kangaroo) more effort will be made to concentrate Matschie's tree kangaroo in North American zoos and concentrate Goodfellow's tree kangaroos in Australia, Asia and Europe. As several new European holders are interested in Goodfellow's tree kangaroos the little European population of Matschie's urgently needs to be managed within the ISB. Otherwise this species will be "phased out" in Europe.