

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 Fish and Aquatic Invertebrate TAG

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TAG Report (by Heather Koldeway)

Zebra shark (*Stegostoma fasciatum*) ESB (by Max Janse)

Blue spotted stingray (*Taeniura lymma*) ESB (by Nuria Baylina)



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

TAG chair:	Heather Koldewey, London	heather.koldewey@zsl.org
TAG vice-chair:	Joao Falcato, Lisboa-ocea Isabel Koch, Stuttgart Paul van de Sande, Euac_ne	jfalcato@oceanario.pt isabel.koch@wilhelmina.de pcyper@telenet.be
TAG members:	Daniel Abed-Navandi (Wien-aqua) Pablo Areitio (Valencia-ocea) Nuria Baylina (Lisboa-ocea) Eugene Bruins (Amsterdam) Samuel Furrer (Zurich) Richard Gibson (Chester) Claudia Gili (Genova) Colin Grist (Chester) Max Janse (Arnhem) Rachel Jones (London) Philippe Jouk (Antwerpen) Michael Laterveer (Rotterdam) Dirk Petersen (Rotterdam) Fabian Schmidt (Leipzig) Gerard Visser (Rotterdam) Anton Weissenbacher (Wien-zoo) Noam Werner (Jerusalem) Marion Wille (Non-eaza institutions) Brian Zimmerman (London)	
Current EEPs:		
Current ESBs:	Zebra shark (<i>Stegostoma fasciatum</i>) Blue-spotted stingray (<i>Taeniura lymma</i>)	
TAG meeting:	Date of last meeting: 17 September 2008 Last meeting hosted at Antwerpen Zoo (Royal Zoological Society of Antwerp).	
Regional Collection Plan:	Has a RCP been published? No Next edition to be published in 2010.	
Publications:	Janse, M. (2008). Zebra shark, <i>Stegastoma fasciatum</i> , studbook Leewis, R., Janse, M. (2008). Advances in Coral Husbandry in Public Aquariums. Public Aquarium Husbandry Series, Volume 2.	

2. Information on developments during 2007 - 2008

- A mid-year FAITAG (Fish and Aquatic Invertebrate TAG) meeting focussing on RCP development was held from 18th – 20th May 2008, hosted by Rotterdam Zoo.
- The International Aquarium Conference was held in Shanghai in October 2008 with many European participants presenting papers and participating in a post-conference tour. A sustainable acquisition workshop was held during the conference.
- A husbandry questionnaire was completed for blue-spotted stingray.
- FAITAG members worked with EPMAG to develop population management tools for priority species for colony management (seahorses, livebearers).
- The Coralzoo project progressed with workshops, research projects and husbandry guidelines. More information can be found on: www.coralzoo.org
- SECORE (Sexual Coral Reproduction) goes from strength to strength, with a workshop held in Puerto Rico involving FAITAG members and run by Rotterdam Zoo. All information, publications and webcasts are accessible on their website www.secure.org

3. TAG goals for 2009

1. Publish studbook for the blue-spotted stingray.
2. Publish husbandry guidelines for zebra shark.
3. Establish colony management protocols with EPMAG.
4. Publish first RCP.
5. Establish new ESBs and monitoring programmes for priority species identified through RCP process.



Zebra shark

ESB Annual Report 2007 - 2008



1. Programme information

Zebra shark

Stegostoma Fasciatum

ESB established in 2007.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

Additional comments

- To create an overview of the current living population.
- To keep track on the death and the causes of death.
- To compile and distribute husbandry information.
- To start getting breeding results within the European population (most important!).

2. Programme personnel

European Studbook Keeper

Max Janse (Arnhem)

3. Publications

Studbook

Recent edition: 2008

Next edition: 2010

Husbandry guidelines

Not yet published.

4. Status

Status and developments over the year 2007 - 2008

Zebra shark
Stegostoma Fasciatum

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		ARNHEM	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.0.0	1.1.0
*		BERLIN-ZOO	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
*		BREST	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.0.0	1.1.0
*		GENOVA	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
*		GOTEBORG-UNI	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.1.0	0.0.0
*		HAMBURG	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
*		LISBOA-OCEA	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
		Total (7)	3.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	2.2.0	0.0.0	1.1.0	4.6.0
*		Non-EAZA Institutions	10.9.0	0.0.0 (0.0.0)	0.0.0	0.0.0	5.3.0	3.0.0	0.1.0	12.11.0

Summary

The number of participants have been rising steadily in the last years towards 25 public aquaria. The number of living zebra sharks within the studbook is 16.17. A few aquaria outside of Europe have bred this species. In Europe only Arnhem has bred once with one animal surviving only 6 weeks. Further no young zebra sharks have been born in Europe. In the last years more couples are formed. All animals within this studbook originate from the wild. From the living population 24 animals originate from Australia, of which 21 came from Cairns. One animal came from Taiwan and the rest (n=8) the origin is unknown. Since 2008 two aquaria have produced non-fertile eggs. A preliminary length weight relationship has been described as a tool to be used for feeding management. Also a preliminary length age relationship has been constructed to be able to learn more about the age of the animals when they came in. Both relationships need more data in the future. The captive age distribution is described for the historic and living population. The living population shows an even distribution to a maximum age of 11 years.



Blue-spotted stingray

ESB Annual Report 2007 - 2008



1. Programme information

Blue-spotted stingray

Taeniura Lymma

ESB established in 2007.

2. Programme personnel

European Studbook Keeper

Nuria Baylina (Lisboa-ocea)

3. Publications

Studbook

Recent edition: Not yet published.

Next edition: N/A

Husbandry guidelines

Not yet published.

4. Status

Status and developments over the year 2007 - 2008

Blue-spotted stingray

Taeniura Lymma

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		ARNHEM	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
*		BREST	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
*		EMMEN	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
*		LISBOA-OCEA	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	1.0.0	0.4.0
*		VALENCIA-OCEA	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 (5)	4.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	1.0.0	3.7.0
*		Non-EAZA Institutions	3.12.0	1.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	4.13.0

Summary

This programme started in 2007 and is one of the two first fish breeding programmes in Europe.

At the end of 2008 there were 27 animals in Europe distributed amongst 11 institutions (6 non-EAZA institutions).

There are two aquaria in Europe (The Deep and Oceanario de Lisboa) that have bred this species and 8 animals were born in Europe until now but the survival rate of the young is low. During 2008 two animals were born at The Deep (UK).

Notes

Non-EAZA Institutions are:

- Aquarium La Rochelle (France)
- Haus der Natur (Austria)
- Marineland (France)
- Sea Life Centre Scheveningen (The Netherlands)
- The Deep (United Kingdom)
- Sea Life Centre Helsinki (Finland)