

Studbook breeding programme

Clemmys guttata

(Spotted turtle)



Annual report 2016

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European
Studbook
Foundation

KvK nr. 41136106
www.studbooks.eu

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1. Introduction

After a successful studbook was managed in 2004, 2008 and 2009, the studbook for *Clemmys guttata* was reopened in October 2015. Unfortunately, the data for these studbooks was lost and therefore the data needed to be collected again. Three months after reopening the studbook, in December 2015, 103 animals were registered at 12 locations. Now, a year later, the number of registered animals more than doubled to 241 animals at 28 locations.

2. Population of wild *C. guttata* (*in situ*)

Clemmys guttata inhabits the Canadian provinces Southern Maine, Quebec, Ontario and the following States of the US: Florida, Georgia, Illinois, Indiana, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, West Virginia.



It is estimated that the population *Clemmys guttata* in this area has been declined by 50% in the last 25 years, much of this being irreversible through habitat loss and collection for the pet market. At remaining locations, habitat succession may be a challenge, while population recovery from past collection for pet trade and ongoing traffic and other accidental mortality, and re-colonization of any new sites with suitable habitat, is slow and constrained by subsidized predators and possibly climatic changes. The species meets the criteria for Endangered (A2cde+4ce [ver 3.1](#)) and was added to CITES Appendix II in March 2013.

Source: www.iucnredlist.org

3. Studbook population (*ex situ*)

As of December 31 2016, the registered studbook population consisted of 35.117.89 (241 animals in total). 239 of these animals are live specimens.

4. Locations

These 241 registered animals are being kept at 28 European locations: 17 in the Netherlands, 5 in Belgium, 2 in Denmark, 1 in the United Kingdom, 1 in Italy, 1 in Sweden and 1 in Slovakia.

5. Births

In 2016, 156 animals were born on 11 locations as far as known. From these new born animals in 2016, 46 of them were registered in the studbook.

6. Imports

No animals were imported in 2016 within Europe as of known. The table below* shows the number of legally exported animals from the United States between 1990 and 2005.

Year	Exported U.S.
1990	0
1991	0
1992	0
1993	3
1994	284
1995	247
1996	168
1997	559
1998	188
1999	41
2003	105
2004	48
2005	70
Total	1713

* Source: <https://cites.org/sites/default/files/eng/cop/11/prop/37.pdf>
<http://www.chelonian.org/ttn/archives/ttn4/pp8-13.shtml>

7. Deaths

Two of the registered animals died in 2016. One adult female and one juvenile. Both on different locations.

8. Breeding variation

Some of the studbook participants participated in a small project to share and compare data on breeding methods and results. The project started this year and I hope we can collect data for the upcoming years. If you wish to participate and contribute in it by sharing your information on your breeding methods and setup, please let me know!

9. Planning 2017

The goal for 2017 is to expand the number of participating holders, the number of registered animals and register the breeding results to obtain a more complete overview of the population in captivity. In addition, I would like to make and present an overview of the different bloodlines present in the studbook. 10.22 wild born animals are registered and some of the offspring (F1 and F2) is registered and can be traced.

January 2017,

Nick Cramer, Studbook keeper *Clemmys guttata*
