

Studbook

Cuora flavomarginata



Mark Klerks

Year report 2005-2006

Studbook report Cuora flavomarginata

Introduction and activities until August 2006

It has been a while since the last studbook-report was published. In between there have been some activities although the studbook seems to be very stable in number of participants. Recent location data has been sent to participants. Response to the contents was very low but they only had to respond when the data presented were incorrect. Data in SPARKS were corrected/adjusted with the use of the software programme stamboek(studbook). Minor errors were found. In 2006 I have given a presentation about the breeding of Cuora flavomarginata for a group of Lacerta Hengelo (Dutch Herpetological Society). The studbook also cooperated for the part concerning Cuora flavomarginata of the article about the genus Cuora and studbookpopulation published in the Radiata magazine. (Autheurs noemen?)

Recently Henk Zwartepoorte gave a presentation in the USA about the Cuora studbook population in Europe for the TSA/IUCN TFTSG conference in St.Louis/USA. Studbookdata were delivered for that.

The breeding archive of the Dutch Turtle and Tortoise Society mentioned improved breeding results in the Trionyx magazine of Cuora flavomarginata although numbers reported are still quit low. This is, to my opinion, one of the most difficult aspects of managing a studbook. How can you keep participants motivated so that they deliver the right data and on a regular base?. Although Cuora flavomarginata is an attractive species neither interested keepers have contacted the studbook, nor is there a waitinglist.

The studbookcoordinator also joined the IUCN/SSC **Tortoise and Freshwater Turtle Specialist Group**. This way better understanding of conservation efforts became available.

Plans for the future

- a) Move and improve the website of the studbook
- b) More frequent contact with participants
- c) Try to stimulate keepers outside the studbook to participate
- d) Make contact with specialists abroad to gain knowledge about morphological and genetical differences within the species
- e) Publish an annual report
- f) Publish about the studbook in other magazines besides Trionyx
- g) Make a new and improved caresheet

Locations.

Currently there are 18 locations. Most keepers are Dutch because of the historical origin of the ESF but also keepers from Belgium, Germany, Italy are present.

Studbook population.

The studbook population is very stable. This also proves that this species can be held in captivity for long periods when adapted to captive conditions.

But another reason is that many keepers do not participate within the studbook.

Total current population is 138 (44.53.41).

30 animals are captive bred by participants which already makes 21% of the population.

For a detailed overview please see the report appendix I.

Births.

Births are not unusual. The breeding also seems to improve but still general problems occur. Problems like fungus, death of the hatchling shortly after hatching, low hatching ratio versus number of eggs, eggs being eaten by adults have a lowering effect on the success. Also breeding seems to fluctuate. Where some locations once have bred large numbers, now the breeding is low. Also locations which bred last year didn't this year. But in general things are improving. This might also be related to the fact that Cuora is getting rare. Animals are kept at better informed locations and many breeders know each other.

Imports/ New animals

One male animal was imported from Sweden. This animal is semi-adult
Another semi-adult animal (female) was offered to the studbook after it was found wandering near a pond in the Netherlands. Unfortunately it is not clear whether it is a captive bred or wild caught animal. Size would suggest captive bred but morphologically it might be wild-caught. This animal is added to a breeding group in Belgium.

Deaths.

Number of deaths is still low. 2006 had no reported dead animals.

A point to consider might be juvenile deaths shortly after hatching. Some animals die within a few hours or days after hatching. Participants do not always report these animals but only the live ones. But these kind of data would give more insight in the breeding biology of *Cuora flavomarginata*.

In 2006 6 hatchlings at three locations are reported. It is assumed that not all are reported or are lost for follow up because of a non-participating new owner.

Breeders are encouraged to supply data before moving animals to new keepers.

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Location: LOC_00001

ID	Location	Date	Local identification	Housename	Breeder	Gender	Birth	Sire	Mother
000001	LOC_00001	~01/02/1980	UNK	HZ0130		male	01/02/1980	WILD	WILD
000002	LOC_00001	~03/08/1981	UNK	HZ0131		male	~03/08/1981	WILD	WILD
000003	LOC_00001	~27/07/1982	UNK	HZ0134		female	~27/07/1982	WILD	WILD
000004	LOC_00001	~03/08/1981	UNK	HZ0132		male	~03/08/1981	WILD	WILD
000005	LOC_00001	27/07/1982	UNK	HZ0133		male	~27/07/1982	WILD	WILD
000006	LOC_00001	~02/04/1983	UNK	HZ0135		male	~02/04/1983	WILD	WILD
000007	LOC_00001	10/07/1984	UNK	HZ0138	HZ	female	10/07/1984	000005	000003
000008	LOC_00001	~22/08/1984	UNK	HZ0139		female	~22/08/1984	WILD	WILD
000009	LOC_00001	09/08/1985	UNK	HZ0214	HZ	female	09/08/1985	000005	000003
000010	LOC_00001	02/04/1983		HZ0136		female	02/04/1983	WILD	WILD
	LOC_00001	01/01/1994	HZ0136						
000011	LOC_00001	03/06/1984	HZ0137	HZ0137	HZ	female	03/06/1984	000005	000003
000157	LOC_00001	29/05/2006	HZ0155	HZ0155	HZ	unk	29/05/2006	MULT	000003

Location: LOC_00002

ID	Location	Date	Local identification	Breeder	Gender	Birth	Sire	Mother
120	LOC_00002	23/04/1906		MK	onbekend	23/04/2006	MULT	000034
000033	LOC_00007	01/01/1985	UNK		female	01/01/1985	WILD	WILD
	LOC_00002	24/11/1998	UNK					
000034	LOC_00007	01/01/1985	UNK		female	01/01/1985	WILD	WILD
	LOC_00002	24/11/1998	UNK					
000043	LOC_00002	23/06/1996	UNK		male	~23/06/1996	WILD	WILD
000046	LOC_00002	23/06/1996	UNK		male	~02/11/1990	WILD	WILD
	LOC_00002	01/08/2003	H???					
000056	LOC_00001	~07/02/1998	UNK		female	~07/02/1998	WILD	WILD
	LOC_00002	27/05/1998	UNK					
000061	LOC_00001	~01/09/1998	UNK		female	~01/09/1990	WILD	WILD
	LOC_00002	~01/10/1998	UNK					
000062	LOC_00001	~01/09/1998	UNK		male	~01/09/1990	WILD	WILD
	LOC_00002	~01/10/1998	UNK					
000122	LOC_00002	26/02/2006		MK	onbekend	26/02/2006	MULT	000034
000123	LOC_00002	26/04/2006		MK	onbekend	26/02/2006	MULT	000034
000124	LOC_00002	26/04/2006		MK	onbekend	24/04/2006	MULT	000034
000148	LOC_00002	01/01/2003		MK	female	~01/01/2003	UNK	UNK
000149	LOC_00002	30/07/2006		MK	female	01/01/2003	UNK	UNK
000150	LOC_00002	30/07/2006		MK	female	01/01/2003	UNK	UNK
000151	LOC_00001	01/01/2005	Dier u		male	~01/01/2000	WILD	WILD
	LOC_00002	01/01/2005	DIER D					

Location: LOC_00003

ID	Location	Date	Local identification	Breeder	Gender	Birth	Sire	Mother
000035	LOC_00007	01/01/1987	UNK		female	~01/01/1987	WILD	WILD
	LOC_00008	01/12/1998	UNK					
	LOC_00007	~14/05/2005						
	LOC_00003	~14/05/2006						
000036	LOC_00007	01/01/1987	UNK		male	~01/01/1987	WILD	WILD
	LOC_00008	01/12/1998	UNK					
	LOC_00007	~14/05/2005						
	LOC_00003	~14/05/2006						

000044	LOC_00002 LOC_00003	23/06/1996 ~01/08/2002	UNK UNK		male	~01/01/1990	WILD	WILD
000045	LOC_00002 LOC_00003	02/11/1996 ~01/09/2002	UNK UNK		male	~02/11/1996	WILD	WILD
000063	LOC_00003	~01/01/2000	UNK		female	~01/01/1990	WILD	WILD
000064	LOC_00003	~01/01/2000	UNK		female	~01/01/1990	WILD	WILD
000065	LOC_00003	~01/01/2000	UNK		female	~01/01/1990	WILD	WILD
000066	LOC_00003	~01/01/2000	UNK		male	~01/01/1990	WILD	WILD
000067	LOC_00017 LOC_00003	~01/01/2000 ~01/01/2003	UNK UNK		onbekend	~01/01/1980	UNK	UNK
000068	LOC_00017 LOC_00003	~01/01/2000 ~01/01/2003	UNK UNK		onbekend	~01/01/2000	UNK	UNK
000069	LOC_00002 LOC_00017 LOC_00003	15/04/2000 ~01/08/2000 ~01/01/2003	UNK UNK UNK	MK	onbekend	15/04/2000	MULT	000033
000070	LOC_00002 LOC_00017 LOC_00003	15/04/2000 ~01/09/2000 ~01/01/2003	UNK UNK UNK	MK	onbekend	15/04/2000	MULT	000033
000073	LOC_00003	24/08/2003	UNK	FB	onbekend	24/08/2003	UNK	UNK
000074	LOC_00003	24/08/2003	UNK	FB	onbekend	24/08/2003	UNK	UNK
000075	LOC_00003	12/01/2003	UNK	FB	onbekend	12/01/2003	UNK	UNK
000076	LOC_00003	12/01/2003	UNK	FB	onbekend	12/01/2003	UNK	UNK
000081	LOC_00003	24/08/2003	UNK	FB	onbekend	24/08/2003	UNK	UNK
000082	LOC_00003	24/08/2004	UNK	FB	onbekend	24/08/2003	UNK	UNK
000090	LOC_00003	24/08/2003	UNK	FB	onbekend	12/01/2003	UNK	UNK
000144	LOC_00002 LOC_00003	21/04/2000 ~01/01/2004		MK	onbekend	21/04/2000	MULT	MULT

Location: LOC_00004

ID	Location	Date	Local identification	Breeder	Gender	Birth	Sire	Mother
000132	LOC_00001 LOC_00004	29/06/2002 21/01/2004	HZ0827	HZ	onbekend	29/06/2002	UNKN	UNKN

Location: LOC_00005

ID	Location	Date	Local identification	Breeder	Gender	Birth	Sire	Mother
000014	LOC_00005	10/04/1996	UNK		male	~01/01/1990	WILD	WILD
000018	LOC_00005	01/01/1990	UNK		male	01/01/1990	WILD	WILD
000019	LOC_00005	01/01/1990	UNK		female	~01/01/2000	WILD	WILD
000133	LOC_00001 LOC_00005	08/07/2004 23/10/2004	HZ0968	HZ	onbekend	08/07/2004	UNKN	UNKN
000134	LOC_00001 LOC_00005	13/07/2004 23/10/2004	HZ0969	HZ	onbekend	13/07/2004	UNKN	UNKN
000135	LOC_00005	~07/06/2004		GV Tilburg	onbekend	~27/06/2004	MULT	000019
000136	LOC_00005	20/04/2006		GV Tilburg	onbekend	20/04/2006	MULT	000019
000137	LOC_00005	20/04/2006		GV Tilburg	onbekend	20/04/2006	MULT	000019

Location: LOC_00006

ID	Location	Date	Local identification	Gender	Birth	Sire	Mother
000023	LOC_00001 LOC_00006	01/01/1994 06/07/1994	UNK UNK	female	01/01/1994	000002	000007
000024	LOC_00001 LOC_00006	19/04/1992 06/07/1992	UNK UNK	onbekend	19/04/1992	000002	000010

000025	LOC_00006	01/01/1994	UNK	male	~01/01/1990	WILD	WILD
000026	LOC_00006	01/01/1994	UNK	female	~01/01/1990	WILD	WILD
000027	LOC_00006	06/07/1993	UNK	onbekend	06/07/1993	000025	000026
000028	LOC_00006	13/06/1994	UNK	onbekend	13/06/1994	000025	000026
000029	LOC_00006	26/07/1994	UNK	onbekend	26/07/1994	000025	000026
000041	LOC_00006	08/05/1996	UNK	male	~08/05/1996	WILD	WILD
000042	LOC_00006	08/05/1996	UNK	female	~08/05/1996	WILD	WILD

Location: LOC_00009

ID	Location	Date	Local identification	Gender	Birth	Sire	Mother
000037	LOC_00007	12/03/1989	UNK	female	12/03/1989	UNK	000033
	LOC_00009	17/03/1997	UNK				
000038	LOC_00007	12/03/1989	UNK	female	12/03/1989	UNK	000033
	LOC_00009	17/03/1997	UNK				

Location: LOC_00010

ID	Location	Date	Local identification	Housename	Breeder	Gender	Birth	Sire	Mother
000057	LOC_00031	~07/01/1998		Maarten		male	~07/02/1998	WILD	WILD
	LOC_00001	~07/02/1998	HZ0549						
	LOC_00010	07/03/1998	Maarte						
000058	LOC_00031	~07/01/1998		Stan		female	~07/02/1998	WILD	WILD
	LOC_00001	~07/02/1998	HZ0549						
	LOC_00010	07/03/1998	Stan						
000077	LOC_00010	26/06/2003	FRITS2			female	~01/01/1990	WILD	WILD
000078	LOC_00010	26/06/2003	FRITS1			male	~01/01/1990	WILD	WILD
000079	LOC_00010	26/06/1903	UNK			male	~01/01/1990	WILD	WILD
	LOC_00010	01/01/2003	DOOD						
000138	LOC_00029	01/01/2003		BREEDINGLOAN	WILD	male	~01/01/1990	WILD	WILD
	LOC_00010	02/08/2003	kweekl	ESF					
000139	LOC_00029	~01/01/2003	kweekl	BREEDINGLOAN	WILD	male	~01/01/1990	WILD	WILD
	LOC_00010	~02/08/2003		ESF					
000140	LOC_00029	~01/01/2003		BREEDINGLOAN	WILD	female	~01/01/1990	WILD	WILD
	LOC_00010	~02/08/2003	kweekl	ESF					

Location: LOC_00011

ID	Location	Date	Local identification	Gender	Birth	Sire	Mother
000049	LOC_00011	01/01/1998	UNK	male	~01/01/1990	WILD	WILD
000050	LOC_00011	01/01/1998	UNK	male	~01/01/1998	WILD	WILD
000051	LOC_00011	01/01/1998	UNK	male	~01/01/1998	WILD	WILD
000052	LOC_00011	01/01/1998	UNK	female	~01/01/1990	WILD	WILD
000053	LOC_00011	01/01/1998	UNK	female	~01/01/1998	WILD	WILD
000054	LOC_00011	01/01/1998	UNK	female	~01/01/1998	WILD	WILD
000055	LOC_00011	01/09/1995	UNK	onbekend	01/09/1995	000049	000052
	LOC_00011	01/01/1998	UNK				

Location: LOC_00012

ID	Location	Date	Local identification	Gender	Birth	Sire	Mother
000017	LOC_00012	01/12/1994	UNK	male	~01/12/1994	WILD	WILD
000030	LOC_00012	14/11/1994	UNK	female	~14/11/1994	WILD	WILD

Location: LOC_00013

ID	Location	Date	Local identification	Gender	Birth	Sire	Mother
000022	LOC_00013	14/08/1994	UNK	male	01/01/1994	WILD	WILD
000031	LOC_00013	31/12/1994	UNK	male	31/12/1994	WILD	WILD
000032	LOC_00013	31/12/1994	UNK	female	31/12/1994	WILD	WILD
000039	LOC_00013	25/06/1995	UNK	onbekend	25/06/1995	000022	000032
000040	LOC_00013	14/07/1995	UNK	onbekend	14/07/1995	000022	000032

Location: LOC_00016

ID	Location	Date	Local identification	Gender	Birth	Sire	Mother
000012	LOC_00016	01/08/1998	UNK	female	~01/01/1990		
000013	LOC_00016	01/08/1998	UNK	female	01/01/1990		
000015	LOC_00016	01/08/1998	UNK	male	~01/01/1990	WILD	WILD
000016	LOC_00001	23/08/1998	UNK	female	23/08/1998	000003	000005
	LOC_00016	01/09/1998	UNK				
000059	LOC_00016	01/08/1998	UNK	male	01/01/1998	WILD	WILD
000060	LOC_00016	01/08/1998	UNK	female	01/01/1998	WILD	WILD

Location: LOC_00018

ID	Location	Date	Local identification	identificatie	Breeder	Gender	Birth	Sire	Mother
000071	LOC_00018	01/05/1999	UNK			female	~01/01/1990	WILD	WILD
000072	LOC_00018	01/05/1999	UNK			male	~01/01/1990	WILD	WILD
000145	LOC_00032	14/07/2006	LUCKY	Housename:lucky		female	~01/01/2000	UNK	UNK
	LOC_00002	14/07/2006							
	LOC_00018	23/07/2006							
000146	LOC_00018	~23/07/2000				female	~01/01/1990	WILD	WILD
000147	LOC_00018	~23/07/1990				male	~01/01/1990	WILD	WILD

Location: LOC_00022

ID	Location	Date	Gender	Birth	Sire	Mother
000091	LOC_00022	15/01/2005	male	~01/01/1980	UNK	UNK
000093	LOC_00022	15/01/2005	male	~01/01/1980	UNK	UNK
000094	LOC_00022	15/01/2005	male	~01/01/1980	UNK	UNK
000095	LOC_00022	15/01/2005	male	~01/01/1980	UNK	UNK
000096	LOC_00022	15/01/2005	male	~01/01/1995	UNK	UNK
000097	LOC_00022	15/01/2005	female	~01/01/1980	UNK	UNK
000099	LOC_00022	15/01/2005	female	~01/01/1980	UNK	UNK
000100	LOC_00022	15/01/2005	female	~01/01/1980	UNK	UNK
000101	LOC_00022	15/01/2005	female	~01/01/1980	UNK	UNK
000102	LOC_00022	15/01/2005	female	~01/01/1980	UNK	UNK
000103	LOC_00022	15/01/2005	female	~01/01/1980	UNK	UNK
000104	LOC_00022	15/01/2005	female	~01/01/1980	UNK	UNK
000105	LOC_00022	15/01/2005	female	~01/01/1995	UNK	UNK
000106	LOC_00022	15/01/2005	onbekend	~01/01/2002	UNK	UNK
000107	LOC_00022	15/01/2005	onbekend	~01/01/2002	UNK	UNK
000108	LOC_00022	15/01/2005	onbekend	~01/01/2002	UNK	UNK
000109	LOC_00022	15/01/2005	onbekend	~01/01/2002	UNK	UNK
000110	LOC_00022	15/01/2005	onbekend	~01/01/2002	UNK	UNK
000111	LOC_00022	26/01/2005	onbekend	~01/01/2002	UNK	UNK
000112	LOC_00022	15/01/2005	onbekend	~01/01/2003	UNK	UNK
000113	LOC_00022	15/01/2005	onbekend	~01/01/2004	UNK	UNK

Location: LOC_00024

ID	Location	Date	Breeder	Gender	Birth	Sire	Mother
000114	LOC_00024	26/07/2004		female	~01/01/1995	WILD	WILD
000115	LOC_00024	26/07/2004		female	~01/01/1995	WILD	WILD
000116	LOC_00024	15/10/1999		male	~01/01/1990	WILD	WILD
000117	LOC_00024	26/11/2003		male	~01/01/1995	WILD	WILD
000118	LOC_00024	10/07/2004	FB	onbekend	10/07/2004	000116	000114
000119	LOC_00024	06/09/2005	FI Osnabruck	onbekend	15/07/2005	000116	000114

Location: LOC_00027

ID	Location	Date	Local identification	Gender	Birth	Sire	Mother
000020	LOC_00014 LOC_00027	01/01/1994 ~18/08/2005	UNK	male	01/01/1994	WILD	WILD
000021	LOC_00014 LOC_00027	01/01/1994 ~18/08/2005	UNK	female	01/01/1994	WILD	WILD
000047	LOC_00014 LOC_00027	11/07/1997 ~18/03/2005	UNK	male	11/07/1997	WILD	WILD
000048	LOC_00014 LOC_00027	11/07/1997 18/03/2005	UNK	female	11/07/1997	WILD	WILD
000125	LOC_00027	~01/01/2000		male	~01/01/2000	WILD	WILD
000126	LOC_00027	~01/01/2000		male	~01/01/2005	WILD	WILD

Location: LOC_00028

ID	Location	Date	Housename	Breeder	Gender	Birth	Sire	Mother
000127	LOC_00028	23/11/1996	Rocco		male	~01/01/1990	WILD	WILD
000129	LOC_00028	23/11/1996	Mariangela		female	~01/01/1990	WILD	WILD
000131	LOC_00028	27/04/2006	Gaia		female	~01/01/1990	WILD	WILD

Location: LOC_00030

ID	Location	Date	Local identification	Housename	Breeder	Gender	Birth	Sire	Mother
000080	LOC_00002 LOC_00030	12/01/2003 20/11/2004		BREEDINGLOAN MKL	MK	onbekend	12/01/2003	MULT	UNKN
000142	LOC_00002 LOC_00030	12/01/2003 20/11/2004		BREEDINGLOAN MKL	MK	onbekend	12/01/2003	MULT	UNKN