

STUDBOOK

GEOCHELONE ELEGANS

ANNUAL REPORT 2004



Foto: P. Bulsing

STUDBOOK *GEOCHELONE ELEGANS*
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1. INTRODUCTION AND ACTIVITIES IN 2004

The number of *Geochelone elegans* entered into the studbook has again seen a significant increase in 2004. Unfortunately this was not due to births but mainly through two confiscations, namely one in Hong Kong (again) (44 animals, to be called 'Hong Kong II group hereafter) and one in the Netherlands (eight animals). Furthermore, a new studbook participant presented four star tortoises. The number of deaths compared to the growth has been limited to nine. A short report will follow on the above mentioned confiscations and also a short note on the sad events concerning the rescue operation of the 'Hong Kong I group'.

'HONG KONG I GROUP'

As predicted in the annual report of 2003, there were unfortunately more deaths within this group. Luckily it was only one animal. On December 31, 2004 in spite of the care taken at the rescue homes, only eleven of the 38 *G. elegans*, which arrived on October 2002 at Amsterdam Airport, were still alive. These tortoises are at the moment located at four locations (two in the Netherlands with five animals and two in Germany with six animals). There are still star tortoises from the 'Hong Kong I group' who did not gain any or hardly any weight. Therefore, it is realistic to think that they will die too. Luckily, the success with the 'Hong Kong II group' (see next paragraph) softens this blow somewhat.

'HONG KONG II GROUP'

On March 4, 2004, I was called by Henk Zwartepoorte (chairman of the ESF and the Turtle Survival Alliance – Europe) about 307 confiscated *G. elegans* in Hong Kong. They were of the same type as the animals of the 'Hong Kong I group', again very young and the Turtle Survival Alliance Europe (to be called TSA hereafter) took the fate of these animals to heart once again. This organisation found several zoos interested and was trying to place as many star tortoises as possible at serious and experienced private houses through the ESF. A quick action from me yielded fourteen addresses where 77 animals could be housed on a contract basis. Due to these commitments, it became possible for the TSA to bring 153 *G. elegans* to Europe.



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As with the 'Hong Kong I group', it took a very long time before the necessary Cites-documents for import and export were granted. That is a pity, especially because this was a rescue operation and to increase the chances of survival, quick action was needed. Due to the late granting of the documents, the animals only arrived on June 9, 2004 at Amsterdam Airport (that is three months after notification!!). All participants were informed in time about the time of arrival of their animals and they were asked to collect them the same night or in some cases the next day at Zwartepoorte. Rotterdam Zoo promised first shelter for some participating zoos.

To the amazement of the representatives of the ESF and the TSA who were present at Amsterdam Airport, there were not 153 animals in the tempex boxes as was affirmed by Hong Kong only the day before, but only 112 *G. elegans*. This last number accorded nevertheless with the documents which came with the transport. It remains a puzzle why only a day before there was talk of 153 tortoises. We can only assume that a number of animals did not survive. As a consequence the dividing had to be reconsidered at Amsterdam Airport and those participants had to be called who were 'left out of the deal' by the redistribution.

Ultimately, 44 animals were housed at eleven private locations in the Netherlands, Germany and the U.K. and were entered into the studbook. As with the 'Hong Kong I group', they were placed on a contract basis and remain property of the ESF. None of the *G. elegans* that were transferred to the participating zoos were entered into the studbook. What a pity! Experience tells us that coordinated contacts can reduce the number of deaths in a rescue operation! The fact that the ESF is a private initiative is undoubtedly the reason behind the decision not to offer the animals for registration into the studbook and the European Association of Zoos and Aquaria (EAZA) has a policy not to participate in such initiatives. Luckily there are European zoos which can see the usefulness of the ESF and have entered their animals into the ESF-studbooks.



Foto: P. Bulsing

Here, I would like to thank the group of tortoise keepers, and I assume I am speaking also for the boards of the ESF and TSA, who took part in the rescue operation. Although the chance of a high mortality rate (see the 'Hong Kong I group') was considerable and in the knowledge that they will never be the owner of the tortoises, they nevertheless took the costs of transportation and of getting the permits upon them.

I am happy to say that all 44 'Hong Kong II group' animals were still alive on December 31, 2004 and that they were almost all in good or reasonable condition. Only easily treatable worm infections were reported. This gives us hope that the larger part of these star tortoises will survive.

From zoos that participated in the 'Hong Kong II project', some deaths have been reported to the TSA. Because no attention was paid to the condition of the animals on distribution, a tribute must be paid to the private participants for their results up to now. Presumably, the cause of this success must be ascribed to the fact that private participants, mainly through their much smaller collections, can pay more attention to their animals and that they are cared for by one person. Deviant behaviour will be spotted earlier, which makes it possible to give some extra care at an earlier stage.

Naturally, as studbook keeper, I am very happy with this achievement. With a content feeling I have reported this to the TSA. The high mortality rate among the 'Hong Kong I group' made me sometimes doubt the usefulness of such rescue actions. But the success with the 'Hong Kong II group' proves for the moment that they can be very worthwhile.

After the above mentioned rescue actions, many hundreds of *G. elegans* were confiscated in Asia. As far as we know, the majority has been released in the wild again. Seeing the bad condition of the 'Hong Kong I group' for instance, I wonder if they are not taking a big risk, however well meant. Due to stress, the tortoises could be seriously infected by bacteria, viruses, worms and other parasites, which can endanger the population in the wild. But what else could they do? It is impossible to get all these animals adopted again and again by zoos and private keepers through the TSA and the ESF. It is a very serious situation which threatens the existence of the species in the wild and will require extra protection.

It is no wrong assumption when we assume that only a fraction of all illegal transports are intercepted. There must be a lively trade in this species and it seems to be mainly about small and very small animals. I never heard of 'farms' where this species is bred on a large scale. So it is likely that this are all animals from the wild. I have seen articles which indicate that the smuggled star tortoises were mainly or solely meant for the (pet)market in Asia. But it must be feared that a large part is going to Europe. I know from hearsay (I never go to such animal markets myself) that a relatively large number of small star tortoises of the 'Hong Kong I and II type' are on offer at reptile markets in the Netherlands, Germany and Belgium. According to the sellers these are animals bred in Europe. If that is the case –which I sincerely doubt- then breeding with *G. elegans* in captivity is going very well. Why do these big breeders not report their animals? For a well functioning studbook it is important to know the different bloodlines. Their experience could contribute to the optimisation of the care for *G. elegans* and the improvement of breeding results in captivity. I sincerely hope that my doubts are groundless, because if we want to take the keeping of tortoises serious, such practices have no place here!

CONFISCATIONS IN THE NETHERLANDS

Eight *G. elegans* were confiscated in our country by the AID in April. They were part of a larger group tortoises of three different species. Judging by their exterior, they received the wrong treatment for a long time, so these were not animals recently caught in the wild. On May 25, I received a request from LASER-IBG at Diemen (after this bureau had a consultation with board of the ESF) to enter eight animals into the studbook. Because the time I had to find serious and experienced addresses was limited, I took care of them myself at first. On receiving the animals it appeared that their condition was not great. After a period of rest and good care, this turned out better than expected. Ultimately, they were housed at two locations in the Netherlands in August 2004 on a contract basis. On December 31, 2004, they were still doing well. As with the animals from the 'Hong Kong I and II group', they will remain property of the studbook.

2. STUDBOOK POPULATION

On December 31, 2004 186 animals (19-20-147) were registered in the studbook. At that date, 145 were alive (18-18-109).

3. LOCATIONS

There were 23 locations registered in the studbook on December 31, 2004. On three locations no animals were kept anymore at that moment. The other 20 locations, among which one foreign zoo, are established in the Netherlands (13), Belgium (2), Germany (3), France (1) and the U.K. (1).

4. BIRTHS

No births were reported in 2004. It is known to me, however, that animals were born at several locations (in the Netherlands and Germany). Although the existence of a studbook is known to these breeders, there are no participants, unfortunately. Because of this, their data, like amount of eggs, egg laying frequency, weight and shape of the eggs and data to determine the turning temperature, will remain unknown. All data which might be very important for the preservation and the well-being of the species in captivity. But I am not striving to incorporate all owners of *G. elegans*. In participating there should be some measure of motivation.

The fact that many keepers breed their *G. elegans* annually (especially in Germany), gives me much hope for the future. The larger part of the studbook animals is yet too young to breed. Also, the announcement on the website of reptile-zoo IGUANA that a third generation *G. elegans* has been born on June 18, 2004, shows that the species can be well kept in captivity when serious care is taken and it will breed under such conditions.

What I was writing in the paragraph above goes for IGUANA too. It is a pity that this zoo, in spite of many requests from me, does not want to participate with their *G. elegans* in the studbook. With so much experience they would be a welcome contribution to the welfare and the breeding of the star tortoise in captivity.

5. DEATHS

Nine studbook animals died in 2004. One of them belonged to the 'Hong Kong I group', which consists of only eleven animals at the moment (see for more information item 1 of this report); seven star tortoises (belonging to a group of 60 *G. elegans* confiscated in France) died in a French zoo and one animal went to heaven at a private participant.

6. TRANSFERS

Fourteen transfers took place in 2004. Two cases were related to a redistribution of animals of the 'Hong Kong I group'. Eight of the remaining animals were *G. elegans* confiscated by the AID. Before transfer to their current locations, they were taken into care by me at first. The remaining four tortoises were part of the 'Hong Kong II group'. The British participant who took care of them, had transferred them to another British keeper, without prior knowledge to the studbook keeper (and also the ESF, who is the legal owner of the animals). No malice was intended, but the misunderstanding shows that it can be hard for the ESF to keep a grip on their animals. In my opinion, this case deserves some attention from the board of the ESF.

7. DISCUSSION

I am disappointed that I have to take a lot of trouble to get information from studbook participants. This mainly concerns keepers of ESF-animals. They do not stick to the agreement by contract to inform the studbook keeper about the well-being of their animals before the end of every year and in case of problems earlier. Therefore, I would ask them hereby to send these data digitally or by post on time and out of their own initiative from now on.

This low level of contact between the two parties got me thinking if I want/have to be a studbook keeper for long. It is evident that you need two active parties for a good level of communication. This is the reason why I am asking myself if I am active enough as studbook keeper in relation to the participants.

The annual reports show hopefully, that the voluntary function of studbook keeper takes up a lot of time. Time, which in my case, has to be found in the hours between a fulltime job and the necessary sleep. Hours which are also claimed by my family and the care for my animals. That is why I feel that I cannot commit myself fully to the task I took upon me in 2002. But if I do and I am unable to motivate my participants sufficiently, I have to ask myself if I am failing in this task. Therefore, I will reconsider my continuation as studbook keeper in 2005. If there are any participants who would like to relieve me from this task, I would like to hear from them.

Finally a remark related to the things I said before: reporting your animals is in your own interest and not in that of a studbook holder!

Peter Bulsing
Studbook keeper *Geochelone elegans*

RECOMMENDED LITERATURE AND WEBSITES

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www.kundert.ch/schildkroete/stern1.htm
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INDIAN STAR TORTOISE Studbook (*Geochelone elegans*)

Page 1

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
	Death-Date							
000001	M	00 000 1990	WILD	WILD	UNK	00 000 1991		UNK
	Capture							
	Transfer			XXX		00 000 1992	UNK	
	Transfer			001		23 Feb 1993	XX0053	
000002	M	00 000 1990	WILD	WILD	UNK	00 000 1991		UNK
	Transfer			XXX	00 000 1992		UNK	
	Transfer			001		23 Feb 1993	XX0054	
	Transfer					00 000 2000		
000003	Death F	00 000 2000	WILD	WILD	UNK	00 000 1991		UNK
	Transfer			XXX		00 000 1992		UNK
	Transfer			001		23 Feb 1993	XX0055	
000004	F	00 000 1990	WILD	WILD	UNK	00 000 1991		UNK
	Transfer			XXX	00 000 1992		UNK	
	Transfer			001		23 Feb 1993	XX0056	
000005	M	00 000 1995	UNK	UNK	XXX	00 000 1995		UNK
	Hatch			002	23 Nov 1996		UNK	Transfer
000006	F	00 000 1995	UNK	UNK	XXX	00 000 1995		UNK
	Hatch			002	23 Nov 1996		UNK	
000007	?	21 Oct 1999	000005	000006	002	21 Oct 1999	UNK	Hatch
	Death	00 000 2000				00 000 2000		
000008	M Hatch	29 May 2000	000005	000006	002	29 May 2000		UNK
	UNK	Transfer				XXX	00 Oct 2003	
000009	?	26 Jun 2000	000005	000006	002	26 Jun 2000		UNK
000010	Hatch	21 Jun 2002	000005	000006	002	21 Jun 2002		UNK
	Hatch			003	11 Aug 2002	XX0071		Transfer
000011	?	22 Jun 2002	000005	000006	002	00 000 2002		
000012	Death ?	00 000 2002	000005	000006	002	28 Jun 2002		UNK
	Hatch	28 Jun 2002						
000013	?	00 000 2001	WILD	WILD	UNK	11 Aug 2002	XX0072	Transfer
	Capture					00 000 2002		UNK
	Transfer			HONG KONG	00 Aug 2002		UNK	
	Transfer			TSA/ESF	17 Oct 2002			UNK
	Transfer			003	17 Oct 2002	XX0073		Loan to
							11 Feb 2003	
000014	?	Death		11 Feb 2003				
	UNK	00 000 2001	UNK	UNK	UNK		00 000 2002	
	Capture							
	Transfer			HONG KONG	00 Aug 2002			UNK
	Transfer			TSA/ESF	17 Oct 2002			UNK
	Transfer			003	17 Oct 2002	XX0074		Loan to

Death

21 Mar 2003

21 Mar 2003

INDIAN STAR TORTOISE Studbook (*Geochelone elegans*)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
Death-Date								
000015	?	00 000 2001	WILD	WILD	UNK	00 000 2002	UNK	
	Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					003	17 Oct 2002	XX0075	Loan to
	Death	08 Nov 2002				08 Nov 2002		
000016	? UNK	00 000 2001	WILD		WILD Capture	UNK	00 000 2002	
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					003	17 Oct 2002	XX0076	Loan to
								02 Jul 2003
000017	? Capture	Death 00 000 2001	WILD	WILD	02 Jul 2003 UNK	00 000 2002	UNK	
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					004	17 Oct 2002	XX02020	Loan
	to					27 Oct 2002		
000018	? Capture	Death 00 000 2001	WILD	WILD	UNK	00 000 2002	UNK	
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					004	17 Oct 2002	XX02021	Loan
	to					16 Nov 2002		
000019	? Capture	Death 00 000 2001	WILD	WILD	UNK	00 000 2002	UNK	
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					004	17 Oct 2002	XX02018	Loan
	to					01 Jun 2003		
000020	? Capture	Death 00 000 2001	WILD	WILD	UNK	00 000 2002	UNK	
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					004	17 Oct 2002	XX02019	Loan
	to					05 Aug 2003		
000021	? Capture	Death 00 000 2001	WILD	WILD	05 Aug 2003 UNK	00 000 2002	UNK	
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					005	17 Oct 2002	0001	Loan
	to							

Death

13 Jan 2003

13 Jan 2003

INDIAN STAR TORTOISE Studbook (*Geochelone elegans*)

Page 3

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
Death-Date								
000022	?	00 000 2001	WILD	WILD	UNK	00 000 2002		UNK
	Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					005	17 Oct 2002	UNK	Loan
to							00 Mar 2003	
000023	Death ?	00 000 2001	00 Mar 2003 WILD	WILD	UNK	00 000 2002		UNK
	Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					005	17 Oct 2002	UNK	Loan
to								
000024	?	00 000 2001	WILD	WILD	UNK	00 000 2002	UNK	
	Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					005	17 Oct 2002	UNK	Loan
to								
000025	?	00 000 2001	WILD	WILD	UNK	00 000 2002	UNK	
	Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					006	18 Oct 2002	704808	Loan
to								
000026	Death ?	00 000 2001	23 Nov 2002 WILD	WILD	UNK	00 000 2002		UNK
	Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					006	18 Oct 2002	704809	Loan
to								
000027	XX0081 Loan to ?	00 000 2001	WILD	WILD	UNK	00 000 2002		UNK
	Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					006	18 Oct 2002	704810	Loan
to								
000028	Death ?	00 000 2001	25 Oct 2002 WILD	WILD	UNK	00 000 2002		
	UNK Capture							
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					007	18 Oct 2002	UNK	Loan
to								
	Death						14 Mar 2003	
					14 Mar 2003			

000029	?	00 000 2001	WILD	WILD	UNK	00 000 2002
	UNK	Capture				
Transfer			HONG KONG		00 Aug 2002	UNK
Transfer			TSA/ESF		17 Oct 2002	UNK
Loan to			007		18 Oct 2002	UNK

INDIAN STAR TORTOISE Studbook (*Geochelone elegans*)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
Death-Date								
000030	?	00 000 2001		WILD	WILD	UNK	00 000 2002	
	UNK			Capture				
					HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							
					007	18 Oct 2002	UNK	
	Loan to							
000031	?	00 000 2001		WILD	WILD	UNK	00 000 2002	
	UNK			Capture				
					HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							
					007	18 Oct 2002	UNK	
	Loan to							
000032	?	00 000 2001		WILD	WILD	UNK	00 000 2002	
	UNK			Capture				
					HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							
					008	19 Oct 2002	UNK	Loan
to								
						23 Oct 2002		
000033	Death	23 Oct 2002		WILD	WILD	UNK	00 000 2002	
	?	00 000 2001		Capture				
	UNK				HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							
					008	19 Oct 2002	UNK	Loan
to								
000034	?	00 000 2001		WILD	WILD	UNK	00 000 2002	
	UNK			Capture				
					HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							
					008	19 Oct 2002	UNK	Loan
to								
000035	?	00 000 2001		WILD	WILD	UNK	00 000 2002	
	UNK			Capture				
					HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							
					008	19 Oct 2002	UNK	Loan
to								
000036	?	00 000 2001		WILD	WILD	UNK	00 000 2002	
	UNK			Capture				
					HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							
					009	19 Oct 2002	UNK	
	Loan to							
						26 Oct 2002		
000037	Death	26 Oct 2002		WILD	WILD	UNK	00 000 2002	
	?	00 000 2001		Capture				
	UNK				HONG KONG	00 Aug 2002	UNK	
	Transfer							
					TSA/ESF	17 Oct 2002	UNK	
	Transfer							

Loan to	009	19 Oct 2002	UNK
Death	31 Jan 2003		31 Jan 2003

INDIAN STAR TORTOISE Studbook (*Geochelone elegans*)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
Death-Date								
000038	?	00 000 2001	WILD		WILD	UNK	00 000 2002	
	UNK	Capture						
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Loan to				009	19 Oct 2002	UNK	
							11 Apr 2003	
000039	Death ?	00 000 2001	11 Apr 2003	WILD	WILD	UNK	00 000 2002	UNK
	Capture				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Transfer				010	21 Oct 2002	UNK	
	Loan to						18 Dec 2002	
000040	?	00 000 2001	Death	WILD	WILD	18 Dec 2002	00 000 2002	
	UNK	Capture				UNK		
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Loan to				010	21 Oct 2002	UNK	
							20 Jan 2003	
000041	?	Death	20 Jan 2003	WILD	WILD	UNK	00 000 2002	
	UNK	00 000 2001						
	Capture				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Transfer				010	21 Oct 2002	UNK	
	Loan to						25 Mar 2003	
000042	Death ?	00 000 2001	25 Mar 2003	WILD	WILD	UNK	00 000 2002	
	UNK	Capture			HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Transfer				010	21 Oct 2002	UNK	
	Loan to							
000043	?	00 000 2001	WILD		WILD	UNK	00 000 2002	
	UNK	Capture			HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Transfer				011	18 Oct 2002	V1	Loan
to							00 Mar 2003	
000044	?	Death	00 Mar 2003	WILD	WILD	UNK	00 000 2002	
	UNK	00 000 2001						
	Capture				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Transfer				011	18 Oct 2002	V2	Loan
to								

Death

28 Feb 2003

28 Feb 2003

INDIAN STAR TORTOISE Studbook (*Geochelone elegans*)

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
Death-Date								
000045	?	00 000 2001	WILD		WILD	UNK	00 000 2002	
	UNK	Capture						
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					011	18 Oct 2002	V3	Loan
to							31 Dec 2002	
000046	?	Death 00 000 2001	WILD		31 Dec 2002 WILD	UNK	00 000 2002	
	UNK	Capture						
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					011	18 Oct 2002	V4	
	Loan to						26 Dec 2002	
000047	?	Death 00 000 2001	WILD		26 Dec 2002 WILD	UNK	00 000 2002	UNK
	UNK	Capture						
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					012	19 Oct 2002	UNK	Loan
to							09 Dec 2002	
000048	?	Death 00 000 2001	WILD		09 Dec 2002 WILD	UNK	00 000 2002	
	UNK	Capture						
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
	Loan to				012	19 Oct 2002	UNK	
							26 Jan 2003	
000049	Death ?	00 000 2001	26 Jan 2003 WILD		WILD	UNK	00 000 2002	
	UNK	Capture						
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					012	19 Oct 2002	UNK	Loan
to								
000050	?	00 000 2001	WILD		WILD	UNK	00 000 2002	
	UNK	Capture						
	Transfer				HONG KONG	00 Aug 2002	UNK	
	Transfer				TSA/ESF	17 Oct 2002	UNK	
					012	19 Oct 2002	UNK	Loan
to								
000051	?	17 Jul 1995	UNK		000003 001		17 Jul 1995	
	XX0345		Hatch		002	01 May 1996	UNK	Loan
to							00 000 1997	
000052	Death ?	00 000 1997	UNK		000003 001		20 Jul 1995	
	XX0346	20 Jul 1995	Hatch		002	01 May 1996	UNK	Loan
to								

			00 000 1997		
000053	Death		00 000 1997		
	?	31 Oct 1998	UNK	000003 001	31 Oct 1998
	XX0602		Hatch		
				01 Nov 1998	
	Death	01 Nov 1998			

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Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
Death-Date								
000054	?	12 Jul 2002		000001 Hatch	000003	001	12 Jul 2002	
	XX0828						15 Jun 2003	
	003							
	XX0080					Transfer		
000055	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000056	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000057	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000058	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000059	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000060	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000061	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000062	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000063	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000064	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000065	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000066	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000067	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000068	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000069	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer				013		02 Nov 2002	UNK
000070	UNK							
	?	00 000 1997	WILD	WILD	UNK		00 000 2002	UNK
	Transfer							

					013	02 Nov 2002	UNK
000071	UNK ? Transfer	00 000 1997	WILD	WILD	UNK	00 000 2002	UNK
					013	02 Nov 2002	UNK
000072	UNK ? Transfer	00 000 1997	WILD	WILD	UNK	00 000 2002	UNK
	UNK				013	02 Nov 2002	UNK

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
	Death-Date							
000073	? UNK	00 000 1997 Transfer		WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000074	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000075	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000076	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000077	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000078	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000079	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000081	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000082	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000083	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000084	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000085	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000086	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000087	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000088	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000089	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000090	UNK ? UNK	00 000 1997 Transfer		UNK WILD	WILD	UNK	00 000 2002	

					013	02 Nov 2002
000091	UNK ? UNK	00 000 1997 Transfer	UNK WILD	WILD	UNK	00 000 2002
					013	02 Nov 2002
000092	UNK ? UNK	00 000 1997 Transfer	UNK WILD	WILD	UNK	00 000 2002
	UNK		UNK		013	02 Nov 2002

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
	Death-Date							
000093	?	00 000 1997		WILD	WILD	UNK	00 000 2002	
	UNK	Transfer				013	02 Nov 2002	
000094	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000095	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000096	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000097	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000098	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000099	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000100	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000101	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000102	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000103	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000104	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000105	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000106	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000107	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000108	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
000109	UNK	00 000 1997		UNK	WILD	UNK	00 000 2002	
	?	Transfer				013	02 Nov 2002	
	UNK			UNK				

000110	?	00 000 1997	WILD	WILD	UNK	00 000 2002
	UNK	Transfer			013	02 Nov 2002
000111	UNK		UNK			
	?	00 000 1997	WILD	WILD	UNK	00 000 2002
	UNK	Transfer			013	02 Nov 2002
	UNK		UNK			

Stud #	Sex	Hatch Date	Sire	Dam	Location	Date	Local ID	Event
Death-Date								
000112	? UNK	00 000 1997 Transfer		WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000113	UNK ? UNK	UNK 00 000 1997 Transfer		WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000114	UNK ? UNK	UNK 00 000 1997 Transfer		WILD	WILD	UNK 013	00 000 2002 02 Nov 2002	
000115	UNK M UNK	UNK 00 000 0000 Capture		WILD	WILD	UNK UNK 00 000 1997	00 000 1996 UNK	
		Transfer			UNK	011 12 NOV 1997	GEM01	
000116	Transfer M UNK	00 000 0000 Capture		WILD	WILD	UNK UNK 00 000 1997	00 000 1996 UNK	
		Transfer			UNK	011 12 NOV 1997	GEM02	
000117	Transfer M UNK	00 000 0000 Capture		WILD	WILD	UNK UNK 00 000 1997	00 000 1996 UNK	
		Transfer			UNK	011 12 NOV 1997	GEM03	
000118	Transfer F UNK	00 000 0000 Capture		WILD	WILD	UNK UNK 00 000 1997	00 000 1996 UNK	
		Transfer			UNK	011 12 NOV 1997	GEF01	
000119	Transfer F UNK	00 000 0000 Capture		WILD	WILD	UNK UNK 00 000 1997	00 000 1996 UNK	
		Transfer			UNK	011 12 NOV 1997	GEF03	
000120	Transfer F UNK	00 000 0000 Capture		WILD	WILD	UNK UNK 00 000 1997	00 000 1996 UNK	
		Transfer			UNK	011 12 NOV 1997	GEF04	
000121	Transfer F UNK	00 000 0000 Capture		WILD	WILD	UNK UNK 00 000 1997	00 000 1996 UNK	
		Transfer			UNK	011 12 NOV 1997	GEF05	
000122	Transfer M UNK	00 000 1998 Hatch		UNK	UNK	UNK 010	00 000 1998 00 000 1999	
000123	UNK U UNK	Transfer 00 000 2002 Hatch		UNK	UNK	UNK 014	00 000 2002 14 MAR 2003	
000124	001 F UNK	Transfer 00 000 1998 Hatch		UNK	UNK	XXX 014	00 000 1998 20 MAR 2003	
000125	002 F UNK	Transfer 00 000 2000 Hatch		UNK	UNK	008	01 FEB 2000	

					002	00 NOV 2003
000126	D-ster	Transfer				
	F	00 000 0000	WILD	WILD	UNK	00 000 0000
	UNK	Capture				
				XXX	00 000 0000	
	UNK	Transfer				
				003	17 DEC 2003	
	XX0088		Transfer			

TOTALS: 7.10.109 (126)

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