

**1999 INTERNATIONAL STUDBOOK**  
**CHEETAH (*Acinonyx jubatus*)**



**Studbook Keeper: Laurie Marker**

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**1999**  
**INTERNATIONAL CHEETAH**  
**(Acinonyx jubatus)**  
**STUDBOOK**

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# **SECTION A**

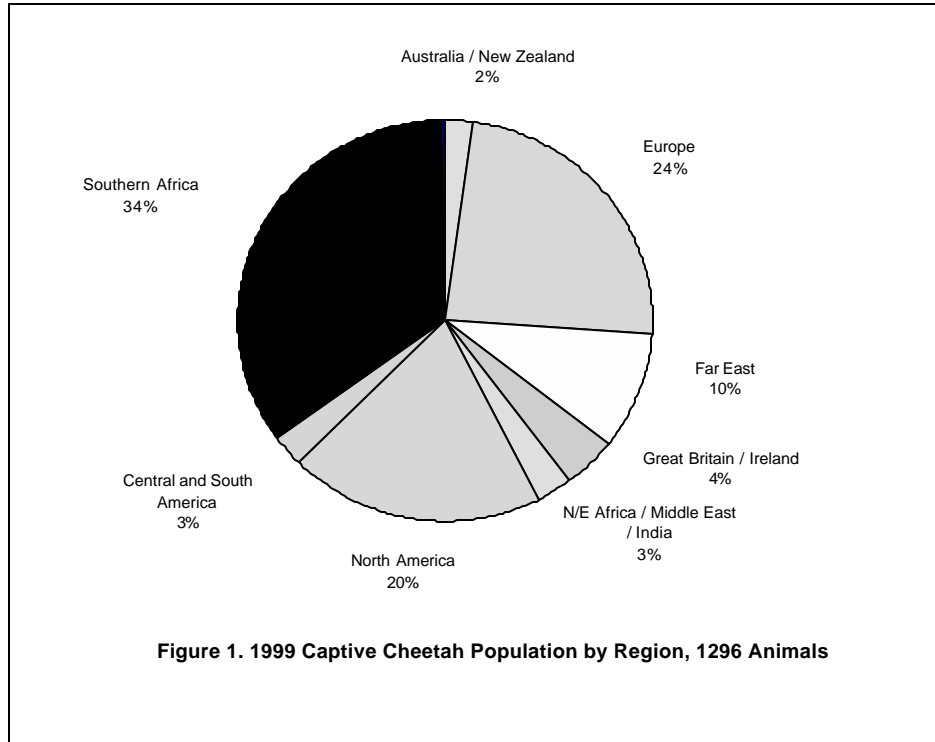
## **Introduction**

# INTRODUCTION

The *1999 International Cheetah Studbook* is the tenth edition of the world registry for captive cheetah. This edition of the International Cheetah Studbook combines all information available for the period January 1, 1999 to December 31, 1999.

The captive population on December 31, 1999 was 1296 (668.620.8) animals in 272 facilities in 51 countries. The captive population of cheetah live in eight geographical regions. Figure 1 shows the percentage of cheetah living in these regions as of the end of 1999. Table 1 is a breakdown of the eight regions by country and includes the number of facilities and the number of cheetah in each country at the end of 1999.

This edition of the Studbook includes the major changes in the captive population from January 1, 1999 through December 31, 1999 (Section B). Section C is a summary of the captive population of cheetah, by studbook number, at individual facilities as of December 31, 1999. The first column in Section C shows which of the bi-annual 1999 questionnaires had been returned by the facility concerned by April 2000 (either mid-year, end-of-year, both or none), to give an indication of how up-to-date the information used in the Studbook is. Also included in this edition are all additions (section D), births (section E), deaths (section F), and transfers (section G) during 1999. Section H includes general comments and deaths notes by individual studbook number. Section I is a listing of Multiple Sires and Dams, which are listed in the Sire and Dam column of the Studbook as “Mult”. Section J is a Studbook listing of all live animals as of December 31, 1999. Sections K and L include inbreeding coefficients for 1999 live animals. Section M includes articles submitted for publication in the *1999 International Cheetah Studbook*.



**Table 1 – 1999 Regional Groupings**

	<u>1999</u>	<u>Facilities</u>	<u>Total</u>	<u>M</u>	<u>F</u>	<u>U</u>
<b><u>Southern Africa</u></b>						
Namibia		27	146	86	60	0
South Africa		30	295	147	147	1
Zimbabwe		1	7	2	5	0
<b>1999 - 3 countries, 58 facilities, 448 (235.212.1) animals</b>						
<b><u>North America</u></b>						
Canada		6	35	14	21	0
United States		61	226	119	107	0
<b>1999 - 2 countries, 67 facilities, 261 (133.128.0) animals</b>						
<b><u>Europe</u></b>						
Austria		4	14	6	8	0
Belgium		5	14	7	7	0
Bulgaria		1	2	2	0	0
Czech Republic		3	15	3	9	3
Denmark		1	2	1	1	0
France		12	55	30	25	0
Germany		21	78	33	41	4
Italy		2	7	4	3	0
Netherlands		8	68	41	27	0
Poland		3	8	5	3	0
Portugal		3	11	4	7	0
Russia		2	11	6	5	0
Slovenia		1	1	1	0	0
Spain		4	7	3	4	0
Sweden		2	5	3	2	0
Switzerland		3	11	6	5	0
Uzbekistan		2	2	0	2	0
<b>1999 - 17 countries, 77 facilities, 311 (155.149.7) animals</b>						
<b><u>Far East</u></b>						
Burma		1	2	1	1	0
China		3	13	5	8	0
Indonesia		2	9	5	4	0
Japan		9	62	35	27	0
Malaysia		1	2	1	1	0
North Korea		2	2	1	1	0
Singapore		1	4	3	1	0
Sri Lanka		1	2	1	1	0
Taiwan		1	1	0	1	0
Thailand		4	27	13	14	0
<b>1999 – 10 countries, 25 facilities, 124 (65.59.0) animals</b>						
<b><u>Great Britain/Ireland</u></b>						
England		9	29	15	14	0
Ireland		1	17	7	10	0
Northern Ireland		1	3	2	1	0
Scotland		2	5	3	2	0
<b>1999 - 4 countries, 13 facilities, 54 (27.27.0) animals</b>						
<b><u>N/E Africa/Middle East/India</u></b>						
Ethiopia		1	1	1	0	0
India		1	3	2	1	0
Israel		2	4	4	0	0
Kenya		2	6	2	4	0
Morocco/N Africa		1	2	1	1	0
Qatar		1	2	1	1	0
Saudi Arabia		2	5	2	3	0
United Arab Emirates		3	6	3	3	0
Dubai		2	5	4	1	0
<b>1999 - 9 countries, 15 facilities, 34 (20.14.0) animals</b>						
<b><u>Central and South America</u></b>						
Argentina		1	2	1	1	0
Brazil		2	3	1	2	0
Cuba		1	3	2	1	0
Mexico		4	25	10	15	0
<b>1999 - 4 countries, 8 facilities, 33 (14.19.0)</b>						



<b>animals</b>					
<b><u>Australia/New Zealand</u></b>					
Australia	5	18	12	6	0
New Zealand	2	9	6	3	0
<b>1999 - 2 countries, 7 facilities, 27 (18.9.0)</b>					
<b>animals</b>					
<b><u>Other</u></b>					
Unknown location	2	4	1	3	0
<b>1999 Total - 51 countries, 272 facilities, 1296 (669.620.8) animals</b>					

From 1 January 1999 to 31 December 1999, 127 (64.54.9) new animals were registered (see Section E). These additions include historical information on animals not previously registered, newly imported wild-caught animals, and births during this period. Historic information was received pertaining to 26 (17.9) animals, 13 (8.5) of whom were wild-caught and 13 (9.4) were captive born. All 13 wild-caught animals were caught in Namibia, and these animals were imported to five private facilities in Namibia.

Thirteen (9.4) 'historic' births were reported, all of which occurred in 1998. The newly reported 1998 births were from Hoedspruit, La Palmyr and Mito Cho.

An overview of the major changes from 1999 are presented in Section B. In the 1999 summary, the 1998 column includes corrections that were reported after the publication of the *1997-1998 International Cheetah Studbook*; therefore, it differs from the totals published in the *1997-1998 International Cheetah Studbook*.

As it is only necessary to print a complete Studbook listing of all animals every five years and the last complete Studbook was in 1995, the next complete Studbook listing will be in the *2000 International Cheetah Studbook*.

## **1999 STUDBOOK INFORMATION**

The captive cheetah population on December 31, 1999 was 1296 (668.620.8) animals in 272 facilities in 51 countries. Of the 1296 animals, 73% or 951 (499.444.8) are captive-born and 27% or 345 (169.176.0) are wild-born (see Figure 2). This figure shows an increase by 26 in the number of captive-born animals in the population over 1998, and a decrease in the number of wild-born animals since 1998 (345 in 1999 vs. 364 in 1998).

Successful parentage was reported in 1999 with animals as young as 4 years old or as old as 11. The majority of successful breeding for both sexes occurs between 3 and 10 years of age. These data are relevant in assessing the age structure of the 1999 population. As shown in Figure 2, 60% or 780 animals (403.377) of the 1999 population are within the prime breeding age bracket ( $\geq 3 - \leq 10$  years of age). Of the animals in this age bracket, 24% or 186 (88.98) are wild-born. The percentage of sub-adult animals (0- $< 3$  years of age) is 23% or 299 (156.135.8) animals, of which 18%, 54 (29.25) animals are wild-born. Seventeen percent or 217 (109.108) animals are older than the usual breeding age ( $> 10$ ) of which 48% or 105 (52.53) are wild-born.

From January 1 to December 31, 1999, 101 (47.45) new animals were registered. These new additions do not include the historical information gathered during this period, which is summarized in the introduction, but include newly imported wild-caught animals and births in 1999. Of these newly registered animals, 6 (4.2) were wild-caught, of which 4 (3.1) came from Namibia, 1 (0.1) came from Botswana and 1 (1.0) came from Somalia. These animals were imported to two private facilities in Namibia and two private research and breeding facilities in South Africa

During 1999, 94 (43.42.9) cubs were born in 28 litters at 15 facilities in 8 countries (see Section E). Table 2 lists these litters of cubs and facilities. These births represent almost exactly the same productivity as 1998, when 95 cubs were born. Of the 94 cubs born, 8 (2.1.5) died under 1 month of age, which represents an 8.5% infant mortality. 1 (0.1.0) cub died between one month and six months of age. Total cub deaths under six months of age was 9 (2.2.5), which represents a 9.5% cub mortality, almost a third of the cub mortality in 1998, when it was 26%.

**Table 2 –1999 Births By Facility**

<b>Facility</b>	<b>No. Litters</b>	<b>No. Cubs</b>	<b>No. cub Deaths &lt;1mo</b>	<b>No. breeding M/F</b>
*Jaderberg, Germany	1	4 (0.0.4)	0 (0.0.0)	1.1
*Luther, USA	1	3 (1.2.0)	0 (0.0.0)	1.1
*Vienna, Austria	1	2 (1.1.0)	0 (0.0.0)	1.1
Hilvarenbeek, Netherlands	3	12 (7.5.0)	0 (0.0.0)	2.3
Hoedspruit, SA	2	4 (2.2.0)	0 (0.0.0)	2.2
La Palmyr, France	1	3 (2.1.0)	0 (0.0.0)	1.1
Marwell, Great Britain	1	8 (5.3.0)	0 (0.0.0)	1.1
Mito Cho, Japan	1	3 (3.0.0)	0 (0.0.0)	1.1
Nurnberg, Germany	1	3 (0.3.0)	0 (0.0.0)	1.1
Oudtshoorn, SA	3	11 (4.4.3)	3 (0.0.3)	3.2
Phoenix, USA	1	2 (0.1.1)	2 (0.1.1)	1.1
Pret DW, SA	8	25 (9.16.0)	1 (1.0.0)	4.8
SD WAP, USA	1	2 (0.1.1)	1 (0.0.1)	1.1
Shirahama, Japan	2	10 (8.2.0)	1 (1.0.0)	1.2
Wass BRC, Netherlands	1	2 (1.1.0)	0 (0.0.0)	1.1
<b>15 facilities</b>		<b>94 (43.42.9)</b>	<b>8 (2.1.5)</b>	<b>22.27</b>

\* indicates first-time reproductive success

On a facility basis, 6% (15) of the 272 facilities that held cheetah in 1999 had reproductive success. As shown in Table 2, 80% (12) of those facilities had previous reproductive success, and 20% (3) of the facilities had success for the first time in 1999. There were 22 males and 26 females that were reproductively active during the year. The age distribution of successful breeders in 1999 is presented in Figure 3, and the age distribution of all breeding animals alive at the end of 1999 is presented in Figure 4. This data is relevant in assessing the age structure of the 1999 population presented in Figure 2. At the end of 1999 there were 180 (83.97) proven breeders alive in the captive population. During 1999, only 48 (22.26) animals, 4% of the captive population, successfully bred and 21% of these (10) were wild-caught animals.

Of the 1296 cheetah alive in the 1999 population, 180 (83.97) animals are proven breeders or animals that have bred at least once. This number permits the computation of the effective breeding size ( $N_e$ ) for the 1999 population using the formula:

$$N_e = \frac{4 \times M \times F}{M + F} = 178.9$$

Where M is the number of breeding males and F is the number of breeding females. This value ( $N_e$ ) is equivalent to 14% of the captive population.

Deaths reported in 1999 totaled 74 (36.33.5), including cub deaths (see Section F). Figure 5 shows the age at death of captive-born and wild-caught cheetah by sex in 1999. Of the animals that died, 47% or 35 (21.14) animals were within the prime breeding age group ( $\geq 3$ - $\leq 10$  years of age); 15% or 11 (2.4.5) animals were under 3 years of age, of which 91% or 10 (2.3.5) were under 1 year old; and 38% or 28 (13.15) were over 10 years of age.

During 1999, 62 known facilities transferred animals either into or out of their facilities. Thirty-two facilities transferred 100 (53.47) cheetahs to 45 facilities (see Section G). A further eight animals were wild-caught and went to unknown locations before being transferred into another four facilities in 1999. There are 17 new facilities holding cheetah, and 11 facilities which are no longer holding cheetah. Since the end of 1998, there has been an increase of 26 animals in the world's captive cheetah population.

## CONCLUSION

The relative success of the world's captive cheetah population over the past few years indicates that an increased reproductive success throughout the world's cheetah facilities can be achieved through a cooperative management program. This will become even more important to work towards as the availability of importing wild cheetahs into captive facilities declines.

There will always be some wild-caught cheetahs that cannot be released back into the wild. It is the responsibility of the world's zoos to cooperate in maximizing the breeding success of these important wild founders, as set out in the goals of the World Zoo Strategy. However, as the main goal of the world's zoos is to manage the captive cheetah population without the need for wild-caught animals, the development and collaboration of successful regional breeding programs is critical in order to contribute to the sustainability of the captive population worldwide.

For this reason, a Global Master Planning meeting is scheduled for October 2000 in conjunction with and facilitated by the IUCN SSC's Conservation and Breeding Specialist Group (CBSG). This Global Master Plan will begin the process of international cooperation in *in-situ* and *ex-situ* cheetah management. It is highly recommended that a representative from as many cheetah facilities as possible attend this Global Master Planning meeting.

As the free-ranging population of cheetah continues to decline and a large amount of genetic diversity of the remaining populations is lost, the captive and wild populations should be managed in cooperation. The development of a Global Master Plan will be a critical component for the long-term future of the species.

**SECTION B**  
**SUMMARY OF CHANGES IN THE 1999 CAPTIVE POPULATION**



FACILITY	1998			IMPORTS WILD			TRANSFERS IN			TRANSFERS OUT			BIRTHS			DEATHS			TOTAL 1999			TOTALS
	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	
Guangzhou, China	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	5
Hamamatsu, Japan	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Hannover, Germany	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Hanssen, Namibia	23	15	0	3	2	0	1	0	0	0	0	0	0	0	1	0	0	25	17	0	42	
HartBeesp, South Africa	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
Havana, Cuba	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	
Heidelbrg, Germany	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Heimstadt, Namibia	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	
Hein, Namibia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Hemmingsfd, Canada	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1
Herberstn, Austria	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
Hern, South Africa	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5
Heuberger, Switzerland	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2
Hilvarenb, Netherlands	5	6	0	0	0	0	0	0	0	0	0	7	5	0	0	0	0	12	11	0	23	23
Himeji, Japan	2	4	0	0	0	0	1	0	0	0	1	0	0	0	1	0	3	2	0	0	0	5
Hodenhagen, Germany	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	4	2	0	0	0	6
Hoedsprui, South Africa	54	44	1	0	0	0	5	6	0	7	3	0	2	2	0	3	1	51	48	1	100	100
Hogle, USA	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Honolulu, USA	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3
Houston, USA	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Huizen FD, Netherlands	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Hunt, Korea	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Hogle, USA	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
J. Hop, Netherlands	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Jackson, USA	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Jacksonvl, USA	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Jaderberg, Germany	2	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	2	1	4	0	0	7
Jakarta, Indonesia	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4
Jersey, United Kingdom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jerusalem, Israel	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Johannesburg, South Africa	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	4
Kansas City USA	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3
Katowice, Poland	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Kessing, Great Britain	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1
Kluckner, Namibia	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	6
Knoxville, USA	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4
Koegl, Namibia	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Koln, Germany	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	2
Korat	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4
Kotze, Namibia	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Kraaifont, Republic of South Africa	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	0	0	8
Krefeld, Germany	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	7
Krieg, Germany	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Kuala Lumpur	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Kunchab, Thailand	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	10
La Fleche, France	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
La Palmyr, France	5	8	0	0	0	0	1	0	0	3	1	0	2	1	0	0	5	8	0	0	0	13
Landau, Germany	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Langley, Canada	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	6
Lettenbau, Namibia	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3	0	0	0	10
Lisbon, Portugal	4	5	0	0	0	0	0	0	0	2	2	0	0	0	1	0	1	3	0	0	0	4
Lodz, Poland	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
Longleat, Great Britain	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Louisville, USA	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Lung, Namibia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Luther, USA	3	3	0	0	0	0	0	0	0	0	1	0	1	2	0	0	4	4	0	0	0	8
Madrid Z, Spain	2	2	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	1
Maia, Portugal	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3
Mito Cho, Japan	3	6	0	0	0	0	0	0	0	0	0	3	0	0	1	0	6	5	0	0	0	11
Montgomery, USA	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	4
Montpellier, France	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	2
Mort, unknown location	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Moscow, Russia	2	4	0	0	0	0	1	1	0	0	0	0	0	0	0	0	3	5	0	0	0	8
Mulhouse, France	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Munich, Germany	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3
Munster, Germany	4	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	3	0	0	0	6
Nadermann, Germany	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Nair Orph, Kenya	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Nashville Zoo, USA	2	0	0	0	0	0	1	3	0	1	0	0	0	0	1	0	1	3	0	0	0	4
Nel, Namibia	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	10
Neuwied, Germany	2	3	0	0	0	0	4	4	0	0	0	0	0	0	0	0	6	7	0	0	0	13
Norditali, Italy	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	5
Nurnberg, Germany	1	1	0	0	0	0	0	0	0	0	0	0	0	3	0	1	1	3	0	0	0	4
NY Bronx, USA	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4
NZP-Wash, USA	4	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	3	0	0	0	6
Ochs, Germany	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
Oklahoma, USA	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	6
Olefson, Namibia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Olmense, Belgium	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3
Olomouc, Czech Republic	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Orana, New Zealand	5	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	3	0	0	0	7
Orizaba, Mexico	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0	5
Outshorn, South Africa	21	12	0	0	0	0	2	0	0	0	0											

FACILITY	1998			IMPORTS WILD			TRANSFERS IN			TRANSFERS OUT			BIRTHS			DEATHS			TOTAL 1999			TOTALS
	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	
Palm Des USA	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	3	
Paris Zoo, France	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0	7	
Peaugres, France	5	6	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	4	5	0	9	
Peking, People's Republic of China	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Perth, Australia	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	
Philadelphia, USA	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Phoenix, USA	4	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	4	1	0	5
Pittsburg, USA	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Planckndl, Belgium	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
PolarPark, Canada	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	
Pontscorf, France	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	3	2	0	5	
Praha, Czech Republic	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6	
Pret DW, South Africa	40	40	0	0	1	0	0	0	0	5	5	0	9	16	0	7	3	37	49	0	86	
Pret Lich, South Africa	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
Pret Pot, South Africa	8	8	0	0	0	0	0	0	0	6	8	0	0	0	0	0	0	2	0	0	2	
Pretoria, South Africa	0	5	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	1	3	0	4	
Providence, USA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Pugh, South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pyongyang, North Korea	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Queens PK, South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rabat, Morocco	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Ramat Gan, Israel	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
Rangoon, Burma	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Redwood, USA	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
Reimann, Namibia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Reynou	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	2	
Rio Grande, USA	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4	
Riyadh, Kingdom of Saudi Arabia	3	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3	0	5	
Rockton, Canada	7	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	6	5	0	11	
Rohraue, Austria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Roma, Italy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rostock, Germany	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0	3	
Saarbruck, Germany	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Salzburg, Austria	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	6	
San Antonio, USA	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
Sandiego Zoo, USA	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
Sanford, USA	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	
Sao Paulo, Brazil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Schaeffer, Namibia	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5	0	0	5	
Schmidt, Namibia	0	0	0	1	0	0	2	4	0	0	0	0	0	0	0	0	0	3	4	0	7	
Schoemann, South Africa	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
SD-Wap, USA	8	5	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	7	5	0	12	
Selwo, Spain	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	2	
Serranova, Italy	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Sharjah, UAE	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Shirahama, Japan	11	5	0	0	0	0	0	1	0	1	0	0	8	2	0	3	0	15	8	0	23	
Sigean, France	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Singapore, Singapore	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	
Slovenia, Slovenia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Soest, Netherlands	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	8	
Sofia, Bulgaria	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
Springfield, USA	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Sri Lanka	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
St. Louis, USA	2	4	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	3	3	0	6	
Steenkamp, South Africa	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
Stellenbo, South Africa	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5	
Steyn, Namibia	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	
Stralsund, Germany	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stuttgart, Germany	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Suffolk, Great Britain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Suttoncrf, South Africa	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	10	
Taipei, Taiwan	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Tashkent, Uzbekistan	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Thornybush, South Africa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Tijunana, Mexico	6	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	0	18	
Tobe, Japan	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	
Tobu, Japan	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	
Tokyotama, Japan	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	2	0	6	
Toluca, Mexico	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Tomioka, Japan	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	3	
Toronto, Canada	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	6	0	10	
Tsaobis, Namibia	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	5	
Tswala, South Africa	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3	
Tula, Russia	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	
Tulsa, USA	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	
Twycross, Great Britain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unknown from Fuengirol	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	
Unknown from Oudtshoorn	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Unknown in China	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	3	3	0	6	
Usakos, Namibia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
Vaartz, Namibia	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
Vandemerw, Namibia	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	10	
Verbessel, Belgium	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4	
Videbaek, Denmark	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	

FACILITY	1998			IMPORTS WILD			TRANSFERS IN			TRANSFERS OUT			BIRTHS			DEATHS			TOTAL 1999			TOTALS
	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	M	F	?	
Vienna, Austria	2	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	3	2	0	5
Voigts, Namibia	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	4
Vonleizi, Namibia	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Vonseydli, Namibia	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	2	0	4
Warsaw, Poland	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	3
Wass BR C, Netherlands	12	18	0	0	0	0	5	1	0	9	11	0	1	1	0	0	2	0	9	7	0	16
Wellington, New Zealand	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
Werribee, Australia	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Westerloo, Belgium	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Whipsnade, Great Britain	2	2	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	1	4	0	5
Whyte, South Africa	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Windsor, Great Britain	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Winston, USA	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0	9
Worms M, Namibia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Wuppertal, Germany	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	3	0	5
Yoshikawa, Japan	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	0	7
Yulee, USA	7	11	0	0	0	0	1	0	0	1	3	0	0	0	0	1	0	0	7	7	0	14
Zahn, Namibia	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Zoo Animal, Netherlands	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Zoolandia, Spain	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
<b>TOTALS</b>	<b>633</b>	<b>592</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>64</b>	<b>52</b>	<b>0</b>	<b>60</b>	<b>52</b>	<b>0</b>	<b>38</b>	<b>39</b>	<b>9</b>	<b>36</b>	<b>32</b>	<b>5</b>	<b>643</b>	<b>604</b>	<b>8</b>	<b>1255</b>



FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
None	ACTON Tippi Hedren 6867 Soledad Canyon Road Acton CA 93510 USA	0	1	0				3025			
Both	ADELAIDE Adelaide Zoo Frome Road Adelaide South Australia 5000	5	3	0	3555 3710	3709 3715	3708	3559 3590	3729		
End	AL AIN Al/Ain Zoo and Aquarium P.O. Box 1204 Al/Ain United Arab Emirates	1	1	0		4045		4046			
None	ALBANY Grants Zoo Albany NY USA	0	2	0				2243	2661		
None	ALMAKTOUM H.H. General Shaikh Mohamed Bin Rashid Al Maktoum Dubai United Arab Emirates	1	1	0	3292			3311			
None	ALTENFELD Wildpark Altenfelden A-4121 Atzeberg 8 Austria	0	1	0				3462			
End	AMERSFOOR Dierenpark Amersfoort Zoo Barchman Wuytierslaan 224,3819 Amersfoort AC Netherlands	3	4	0	1908	3136	3138	2195 3926	3897	3923	
None	AMMAN Karl and Katherine Amman P.O. Box 437 Nanyuki Kenya	1	3	0	3235			2952	3243	3244	
None	ARMES Jay J. Armes 1717 Montana Avenue El Paso TX 79902 USA	1	1	0	384			406			
Both	ARNHEM Burger's Zoo and Safari Schelmsweg 85 6816 SH Arnhem Netherlands	6	3	0	2250 3540	2429 3541	3539 3542	2430	2857	3500	

	FACILITY	TOTAL ANIMALS			MALES		FEMALES		UNKNOW
None	AUBURN D.Simas Wild About Cats P.O.Box 9182 Auburn, CA 95604 USA	1	1	0	3966		3967		
Mid	AUDUBON Audubon Park and Zoological Gardens 6500 Magazine Street, P.O. Box 4327 New Orleans LA 70178 USA	1	2	0	2235		555	2991	
None	AUGSBURG Augsburg Zoologishcher Garten Brehmplatz 1 D-8900 Augsburg Germany	2	1	0	3862	3863	2143		
None	AYWAILLE Monde Sauvage Safari SPRL Fange deDeigne 3 4920 Deigne-Aywaille Belgium	2	2	0	1576	3629	1700	3468	
Mid	BALTIMORE Baltimore Zoo Driud Hill Park Baltimore MD, 21217 USA	1	1	0	1883		2800		
None	BANGKOK Dusit Zoo 71 Rama V. Road Dusit Bangkok 10300 Thailand	1	1	0	3087		3115		
Mid	BANHAM Banham Zoo The Grove Banham Norfolk NR162HE Great Britain	0	1	0			2214		
End	BARCELONA Parque Zoologic De Barcelona Parque de la Cuitadella Barcelona 8003 Spain	1	2	0	2500		2847	2848	
None	BARTY PO Box 2686 Windhoek Namibia	0	1	0			4016		
Mid	BATONROUG Greater Baton Rouge Zoo P.O. Box 60 Baker LA 70704-0060 USA	1	1	0	3760		4141		
Mid	BATTLE CR Binder Park Zoo 7400 Division Drive Battle Creek	2	3	0	1962	2193	2152	2162	3667

	FACILITY	TOTAL ANIMALS			MALES		FEMALES			UNKNOW
	MI 49017 USA									
Mid	BELFAST Belfast Zoological Gardens Antrim Road Belfast BT36 7PN Northern Ireland	2	1	0	2701	3563	3723			
None	BEURKLER Alte Landrassse 29 8802 Kilchberg Switzerland	1	1	0	3607		3613			
Both	BIRMINGHAM Birmingham Zoo 2630 Cahaba Road Birmingham Alabama 25223 USA	1	2	0	1963		2567	2892		
None	BOGOR Taman Safari Indonesia J L Raya Poncak Sisarua Bogar 16750 Indonesia	2	3	0	3711	3712	3560	3718	3728	
Both	BORAS Boras Djurpark AB POB 502, S-503-13 Boras Sweden	2	2	0	1650	1651	1652	3688		
None	BRAVA Sociedade Agricola da Brava Estrada de Alfragide km 1.5 Apartado 7556-2720 Alfragide Portugal	2	2		3093	3796	3793	3795		
None	BUENOSAIR Buenos Aires Zoo Republica De La India 2900 1425 Capital Federa Buenos Aires Argentina	1	1	0	3325		2887			
None	BUKHARA Bukhara Breeding Station 706100 Uzbekistan Kagan GSP Ecocenter "Dgejean" Sol da Towa N. Uzbekistan	0	1	0			1591			
None	BULAWAYO Chipingali Wildlife Orphanage P.O. Box 1057 Bulawayo Zimbabwe	2	5	0	2406	2407	2408	2409	2410	
							2411	2412		
Both	CALDWELL Caldwell Zoo P.O. Box 4280 Tyler TX 75712 USA	1	5	0	2359		1940	2163	3004	
							3307	3398		
None	CAPE MAY Cape May County Park Zoo	0	2	0			2437	2440		

	<b>FACILITY</b>	<b>TOTAL ANIMALS</b>			<b>MALES</b>			<b>FEMALES</b>			<b>UNKNOW</b>
	Route 9 and Pine Lane Cape May Court House NJ 08210 USA										
None	CCF Cheetah Conservation Fund P.O. Box 1755 Otjiwarongo Namibia	6	4	0	3457	4025	4127	2838	3861	4021	
					4128	4129	4130	4022			
None	CERZA Les Felinis d' Auneau 28700 Auneau France	2	1	0	3921	3924		3929			
Mid	CHAMPREP Hotel Mahe F-50800 Champrepus France	4	0	0	3753	3754					
					3762	3763					
None	CHESTER Chester Zoo Caughhall Road Upton by Chester CH27LH Cheshire Great Britain	1	1	0	1666			1557			
None	CHICAGOLP Lincoln Park Zoo 2200 North Cannon Drive Chicago IL 60614 USA	2	0	0	1896	1901					
Mid	CINCINNAT Cincinnati Zoological Gardens 3400 Vine Street Cincinnati OH 45220 USA	3	3	0	3522	3803	4006	595	2234	2976	
None	CLEVELAND Cleveland Metroparks Zoo 3900 Brookside Drive Cleveland OH 44109 USA	2	2	0	1761	3019		249	2206		
None	COETZEE Mr. And Mrs. Coetzee P.O. Box 271 Otavi Namibia	2	0	0	2873	2874					
Both	COLCHESTER Colchester Zoo Stanway Hall, Colchester Essex CO3 5SL Great Britain	3	2	0	1665	1890	2192	1637	3425		
None	COLUMBUS Columbus Zoological Gardens 9990 Riverside Drive, Box 400 Powell OH 43065 USA	2	3	0	518	1905		1826	1833	3666	

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
Mid	DALLAS Dallas Zoo 621 East Clarendon Dr Dallas TX 75203 USA	3	0	0	3028	3029	3030				
Mid	DE PENHA Beto Carreiro World R. Inacio Franciso De Souza 1597 Balnerio de Penha - SC Brazil 88315000	0	2	0				2889	3113		
None	DELHI National Zoological Park New Delhi Mathura Road New Dehli 110003 India	2	1	0	1726	1779		1783			
None	DICKERSON Dickerson Park Zoo 3043 North Fort Springfield MO, '65803 USA	2	4	0	567	4009		522 4011	1899	3679	
End	DIETTERLE Ms. Dietterle P.O. Box 285 Okahandja Namibia	1	1	0	3574			3899			
None	DISNEY K Disney's Animal Kingdom P.O. Box 10,000 Lake Buena Vista FL 32830-1000 USA	3	5	0	3758	3844	3845	1939 3846	1941	3761	
None	DOHO ZOO Doho Zoological Park POB 820 Doha State of Qatar	1	1	0	1410			1412			
Mid	DORTMUND Tierpark, Dortmund Mergelteichstr 80 44225 Dortmund Germany	1	2	0	1936			2125	2511		
None	DUBAI Animal World P.O. Box 4664 Dubai United Arab Emirates	2	0	0	3625	3904					
None	DUBAI Dubai Municipality Zoo Dubai POB 1189 Dubai United Arab Emirates	2	1	0	3551	3639		3640			
Mid	DUBBO Western Plains Zoo POB 831 Dubbo NSW 2830 Australia	2	2	0	582	1721		556	2439		

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW		
Both	DVURKRALV Zoo Kralove 544 01 Dvur Kralove n.l. Czech Republic	1	4	3	2572			1469	1771	2512	3065	4012	4013
Both	EBERSWALD Tierpark Eberswalde Am Wasserfall 16224 Eberswalde - Finowl DDR - 1300 Germany	1	1	0	2247			2255					
None	EGERER WAE Egerer P.O.Box 40394 Auspanplatz Windhoek Namibia	1	1	0	4098			4099					
None	EDINBURGH Edinburgh Zoo, The Royal Zoological Society of Scotland Edinburgh EH12 6TS Scotland	1	1	0	2368			3155					
None	EICHBERG Zoologische Station Eichberg Kaphof CH 9453 Eichberg Switzerland	4	3	0	3308	3309	3549	3326	3550	3553	3554		
None	ESKILSTUN Parken Zoo Box 7071 63007 Eskilstuna Sweden	2	1	0	2199	2459		2452					
None	ETHIOPIA Cheetah in Ethiopia Khartoum Ethiopia	1	0	0	3399								
Both	EVANSVILLE Mesker Park Zoo 2421 Bement Avenue Evansville IN 47720-5500 USA	0	1	0				3678					
None	FARJESTAD Olands Djurpark 38860 Farjestaden Sweden	1	1	0	1773			1762					
None	FERNDALE International Animal Exchange 130 East Nine Mile Road Ferndale MI 48220-1700 USA	1	0	0	3014								
None	FONTAINE Zoo de Doue Fontaine 49700 Doue la Fontand France	3	2	0	1683	3284	3638	3486	2454				
Both	FORTWORTH Fort Worth Zoo Park 1989 Colonial Parkway Fort Worth	0	1	0				513					

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	TX 76110 USA										
None	FOSSILRIM Fossil Rim Wildlife Center Route 1, Box 203 Glen Rose TX 76043 USA	5	6	0	505 2231	506 2232	1774	432 2233	504 2468	572 3527	
None	FOTA Fota Wildlife Park Carrigtwohill County Cork Ireland	7	10	0	1880 2191 3049	1878 2559	1985 2647	1669 2562 3054 3156	1893 2649 3055	2366 2728 3056	
Mid	FT WAYNE Ft. Wayne Children's Zoo 3411 Sherman Boulevard Ft. Wayne IN 46808 USA	1	0	0	1904						
None	FUG German and Maja Fug P.O. Box 306 Okahandja Namibia	1	1	0	3575			3637			
None	GEBAUER Hofmieste/Gebauer P.O. Box 170 Omaruru Namibia	1	2	0	3176			3177	3178		
None	GHAZZA R. Ghiazza P.O. Box 176 Skeerpoort 0232 South Africa	5	7		3556 3837	3558 4093	3603	3557 3605 3838	3561 3713	3591 3714	
None	GLASGOW Glasgow Zoo Calderpark, Uddingston, Glasgow G71 7RZ Scotland	2	1	0	1685	2108		1737			
None	GREULICH Hans Greulich Zum Kaarbach 4 32549 Bad Oeyhausen Germany	0	2	0				2487	3279		
None	GUADALJR Guadajara Zoo Allende 267 Col. Clavenio Mexico	1	0	0	1707						
None	GUANGZHOU Guangzhou Pangu Xangtiang Safari World Shi Guang Road Panyu City Guangzhou China	1	4	0	2858			3052 3627	3588	3610	
None	HAMAMATSU Hamamatsu Muncipal Zoo 199 Kanzanji-cho Hamamatsu-City Shizuoka 431-12	1	1	0	2173			2237			

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	Japan										
Mid	HANNOVER Zoologischer Garten Hannover Adenauer Allee 3 30175 Hannover 1 Germany	1	1	0	1990			1500			
Both	HANSSEN Hanssen / Africat Foundation P.O. Box 793 Otjiwarongo Namibia	25	17	0	2588 3041 3388 3643 3877 3884 3887 4019 4085	2730 3048 3406 3644 3880 3885 3890 4044 4085	2820 3261 3407 3645 3881 3886 4018 4084	2591 3262 3409 3699 3883 4043	2729 3393 3646 3879 3888 4083	2830 3408 3694 3882 3889	
None	HARTBEESP Hartebeespoortdam Snake and Animal Park P.O. Box 109 Hartebeespoort 0216 Transvaal South Africa	2	2	0	2788	2791		2789	2792		
None	HAVANA Parque Zoologico Nacional Carretera Varona KM 3 1/2 Apdo 8008, Zona 8, Boyero Ciudad De La Habana Cuba	2	1	0	2150	2624		2608			
Mid	HEIMSTADT P.O. Box 422 Outjo Namibia	3	1	0	3855	3856	4003	4004			
Mid	HEMMINGFD Parc Safari Africa 850 Route 202 Hemmingford Quebec Canada JOL 1HO	1	0	0	458						
Both	HERBERSTN Tierpark Herberstein Buchberg 2 8222 St. Johann Herberstein Austria	1	1	0	2249			2501			
None	HERN Krugersdorp Rhino & Game Reserve Mr. Ed Hern P.O. Box 180 Krugersdorp 1740 South Africa	0	5	0				2902 3391	3362 3392	3363	
Mid	HEUBERGER Peter U. Heuberger CH-4589 Oberransern Switzerland	1	1	0	2159			2160			
Both	HILVARENB Safari Park Beekse Bergen 5081 N5 Hilvarenbeek Netherlands	12	11	0	1456 3917 4062 4067	3495 3918 4063 4071	3496 4061 4066 4072	1552 3426 4064 4070	3045 3919 4068 4073	3424 3920 4069	
Both	HIMEJI Himeji Central Park	3	2	0	3745 3932	3906		3748	3907		



FACILITY		TOTAL ANIMALS			MALES			FEMALES		UNKNOW	
	1436-1 Kotani, Toyotomi-Town Himeji-City Hyogo-pref. 679-21 Japan										
None	HODENHAGN Serengati Safari Park Postfach 31 29691 Hodenhagen Germany	4	2	0	2846 3901	3577 4049		3105 3584			
End	HOEDSPRUI Hoedspruit Cheetah Project 294 Canopus Str. Waterkloof Ridge Pretoria 0181 South Africa	51	48	1	2161 2396 2441 2545 2637 2705 3124 3342 3717 3767 3807 3812 3815 3952 3956 4092 4096	2365 2398 2475 2552 2697 2814 3333 3382 3731 3776 3808 3813 3946 3954 3957 4094 4117	2378 2399 2543 2636 2704 3005 3336 3594 3739 3806 3809 3814 3951 3955 3959 4095 4118	1577 2400 2553 2638 2816 3332 3344 3355 3358 3700 3720 3794 3942 3945 3960 4097	2154 2401 2633 2706 2962 3335 3351 3356 3360 3706 3727 3810 3943 3950 3961 4119	2363 2544 2634 2746 2963 3337 3353 3357 3418 3707 3770 3811 3944 3958 4090 4147	3805
None	HOGLE Utah's Hogle Zoo 2600 E. Sunnyside Ave Salt Lake City Utah USA	2	0	0	3245	3246					
Mid	HONOLULU Honolulu Zoo 151 Kapahulu Ave Honolulu HI 96815-4096 USA	1	2	0	3013			3015 3016			
None	HOUSTON Houston Zoological Gardens 1513 North Macgregor Houston TX 77030 USA	5	0	0	3008 3011	3009 3012	3010				
None	HUIZEN FD Endangered Animal Foundation Driftweg 124 (de Kuil) 1272 AC Huizen (N.H.) Netherlands	3	0	0	2481	3461	2536				
None	HUNT Brian Hunt Korea	0	1	0				3730			
None	J. HOP Int. Zoo Consultants Youberstraat 24 3851 DM Ermelo, Gelderland Netherlands	1	0	0	1137						
None	JACKSON Jackson Zoological Park 2918 W. Capital Street Jackson	1	1	0	545			2207			

	FACILITY MS 39209 USA	TOTAL ANIMALS			MALES		FEMALES			UNKNOW	
Both	JACKSONVL Jacksonville Zoo 8605 Zoo Road Jacksonville FL 32218-5799 USA	2	0	0	2445	2446					
Mid	JADERBERG Tiergartenstrasse 69 D-26349 Jaderberg, Germany	2	1	4	2853	2855	3696		4079	4080	
None	JAKARTA Jakarta Zoological Gardens Kebun Binatang Ragunan Jl. Harsono Rm-Pasar Minggu Jarkarta 12550 Indonesia	3	1	0	1780	1781	3223	2519			
Both	JERUSALEM The Tisch Family Zoological Gardens In Jerusalem P.O. Box 898 Jerusalem 91008 Israel	2	0	0	2665	2843					
End	JOHANSBRG Johannesburg Zoological Gardens Jan Smuts Avenue, Parkview 2193 Johannesburg South Africa	2	2	0	3702	3719	3684	3704			
Mid	KANSASCTY Kansas City Zoological Gardens 6700 Zoo Drive Kansas City MO 64132 USA	1	2	0	2877		2879	3167			
Mid	KATOWICE Sloski Ogrod Zoologiczny P.O. Box 385 40-954 Katowice Poland	1	1	0	2653		2654				
None	KESSINGLAND Suffolk Wildlife Park Whites Lane Kessingland, nr Lowestoft Suffolk NR 33 7TF United Kingdom	1	0	0	2807						
None	KLUCKNER P.O. Box 21079 Windhoek Namibia	3	3	0	3475	3477	3680	3482	3681	3682	
Mid	KNOXVILLE Knoxville Zoo P.O. Box 6040 Knoxville TN 37914-0400 USA	2	2	0	528	3299	3300	3301			
None	KOEGL Mrs. Wally Koegl	3	0	0	2953	2954	2955				

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	Farm Ameib P.O. Box 266 Usakos Namibia										
Both	KOLN Ag Zoologischer Garten Koln Riehler Strasse 173 50735 Koln Germany	0	2	0			1483	1484			
None	KORAT Nakornratchasima Zoo Nakornratchasima-Pakthongchaf Rd10 Amphor Meung Nakornratchisima Province 3000 Thailand	2	2	0	3370	3371	2307	3372			
Mid	KOTZE E. Kotze P.O. Box 290 Okahandja Namibia	1	1	0	3853		3854				
None	KRAAIFONT Tygerberg Zoo Park P.O. Box 524 Kraaifontein 7569 Republic of South Africa	5	3	0	3159 3386	3184 3636	3185	2613	2615	3387	
Mid	KREFELD Krefelder Zoo Verdinger Strabe 377 47800 Krefeld Germany	3	4	0	1604	1675	3483	1605 3487	1927	1928	
Mid	KRIEG Erick Krieg Metzgerei Wursterei Enlenweg 6 CH 342 Ch 3422 Kirchberg Switzerland	1	1	0	2110			3183			
None	KUALA LUMPUR Zoo Negara Hulu Kelang Amtang 68000 Selangor Malaysia	1	1	0	3953			3947			
None	KUNCHANB Safari Park & Resort Co, Ltd 40/2 Mookumpholoi District Kunchanburi Thailand 71160	5	5	0	2457 3063	2573 3082	3062	3084 3343	3338 3352	3339	
None	LA FLECHE Parc Zoologique du Tertre Rouge La Fleche Sarthe France	1	1	0	2695			2369			
None	LA PALMYR Parc Zoologique De La Palmyre La Palmyre 17570 Les Mathes France	5	8	0	1755 4058	3722 4059	3755	1463 3286 3757	2850 3501 4060	3285 3756	
None	LANDAU Zoolgischer Garden Landau	1	1	0	2346			3120			

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	zh. Hern Dr. Heckel Hindenburgstr 12-14 76829 Landau Germany										
None	LANGLEY Mountain View Farms Breeding Ctr Suite 1030 Vancouver, British Columbia V6C 2W2 Canada	2	4	0	3536	3705		3420 3597	3595	3596	
None	LETTENBAU Lettenbauer P.O. Box 68 Dordabis Namibia	7	3	0	3187 3190 3203	3188 3201	3189 3202		3193	3194	3200
Both	LISBON Jardim Zoologico de Lisboa Estrada de Benfica 158-160 1500, Lisboa Portugal	1	3	0	3792			1477 3797	3732		
Both	LODZ Miejski Ogród Zoologiczny W. Łodzi 94-303 Łódź Konstantynowska 8/10 Poland	2	1	0	3489	3491		1654			
None	LONGLEAT Lions of Longleat Safari Park Warminster Wilts (BA 127 nJ) Great Britain	1	0	0	1724						
Mid	LOUISVILL Louisville Zoo 1100 Trevilian Way, Box 37250 Louisville KY 40233 USA	2	0	0	2435	2436					
None	LUNG PO Box 419 Otjiwarongo Namibia	1	0	0	4017						
Mid	LUTHER Oakhill Center 19800 East Coffee Creek Road Luther OK 73054 USA	4	4	0	2204 4139	2205	3459	2224 4140	2878	3460	
Both	MADRID Z Madrid - Zoo de la Casa de Campo Casa de Campo S/N 28011 Madrid Spain	1	0	0	3583						
None	MAIA Jardin Zoological de Maia 4470 Maia Portugal	1	2	0	3175			1478	3174		
Mid	MANHATTAN Sunset Zoo 2333 Oak Street	1	0	0	536						

	FACILITY	TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	Manhattan Kansas 66502 USA										
None	MARWELL Marwell Zoological Park Colden Common, Nr. Winchester, Hants Hampshire S021 1JH Great Britain	6	4	0	2355	4158	4159	2703	4163	4164	
					4160	4161	4162	4165			
End	MELBOURNE Royal Melbourne Zoological Gardens P.O. Box 74 Parkville Victoria 3052 Australia	2	0	0	1776	1777					
Mid	MEMPHIS Memphis Zoo 2000 Galloway Avenue Memphis TN 38112 USA	2	2	0	2721	2722		2898	3546		
None	METRORICH Metro Richmond Zoo 8300 Beaver Ridge Road Moseley VA 23210 USA	3	0	0	3312	3313					
					3018						
Both	MILWAUKEE Milwaukee Couty Zoo 10001 W. Bluemound Road Milwaukee WI 53226 USA	3	0	0	2802	2803	2804				
None	MIAMI Miami Metrozoo 12400 SW 152nd Street Miami FL 33177-1499 USA	1	1	0	3988			3786			
Mid	MITO CHO Akiyoshidai National Zoological Pk 1212 Shimizu, Mitou-Town Mine Yamaguchi-pref 754-0302 Japan	6	5	0	1446	2275	3478	1449	3479	3480	
					4142	4143	4144	3481	4087		
Mid	MONTGOMRY Montgomery Zoo P.O. Box Zebra Montgomery AL 36109-3133 USA	2	2	0	2447	2448		2801	3675		
End	MONTPELLI Parc Zoologique Henri De Lunaret Avenue d'Agropolis 34090 Montpellier France	1	1	0	3133			1711			
None	MORT Unknown location	0	1	0				1862			
None	MOSCOW	3	5	0	2523	2524	3287	1658	1659	2526	

FACILITY		TOTAL ANIMALS			MALES			FEMALES		UNKNOW
	Moscow Zoo B. Gruzinskaya, 1 123242 Moscow Russia						2641	3589		
End	MULHOUSE Mulhouse Zoo 1 Avenue de la 9e DIC 68100 Mulhouse France	1	1	0	3497			3766		
None	MUNICH Munchener Tierpark Hellabrun AG Tierparkstr 30 81543 Munchen Germany	1	2	0	2766			2495	3135	
None	MUNSTER Allwetter Zoo Munster GmbH Westfalischer Zoological Garten Sentruper Strabe 315-48161 Munster Germany	3	3	0	1992	3066	3562	1989	3119	3724
None	NADERMANN Tierpark Nadermann D 33129 Delbruck / Schoning Germany	0	1	0				786		
None	NAIR ORPH Kenya National Pks Animal Orphanage & Zoo P.O. Box 42076 Nairobi Kenya	1	1	0	3096			3379		
Mid	NASHVILLZ Nashville Zoo Grasmere 3777 Nolensville Rd. Nashville TN, 37211 USA	1	3	0	2655			1902	1907	2920
None	NEL Tollie Nel P.O. Box 60 Kamanjab Namibia	5	5	0	3206 4027	3251 4028	3252	3208 3253	3209 3254	3212
None	NEUWEIDRH Zoo Neuwied Waldstrabe 160 D5656 Neuwied Germany	6	7	0	1918 3900	2347 3928	3476 4005	1874 3903 4008	1875 3922	1924 3927
End	NORDITALI Zoo Sierra Mascava Via Cornelle 16 24030 Valbrembo (BG) Italy	3	2	0	3275	3466	2451	2453	3663	
Mid	NURNBERG Nurnberg Tiergarten AM Tiergarten 30 90480 Nurnberg Germany	1	3	0	3145			2773	4051	4052
Both	NY BRONX Int. Wildlife Conservation Park 185th St. and Southern Blvd Bronx Park	3	1	0	606	2227	2228	2229		

	FACILITY	TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	NY 10460 USA										
Both	NZP - WASH National Zoo Smithsonian Institution Washington DC 20008 USA	3	3	0	2659	3303	3304	1748	2203	3003	
None	OCHS Klaus Ochs Haldenstr. 1, 7539 Kampfelbach - Ers Germany	1	1	0	1690			1694			
None	OKLAHOMA Oklahoma City Zoo 2101 NE 50th Oklahoma City OK 73111 USA	2	4	0	397	2444		330	2809	2810 2811	
None	OLMENSE Olmense Zoo Budenberg 45 2481 Olmen Belgium	2	1	0	3276	3277		2548			
Both	OLOMOUC Zoologicka Zahrada Olomouc 78351 olomouc-Svaty Kopecek Czech Republic	0	1	0				4007			
Both	ORANA Orana Park Wildlife Trust P.O. Box 5130, Papanui Christchurch New Zealand	4	3	0	3168 3914	3169	3170	3512	3912	3913	
None	ORIZABA Mexico Orizaba 215 Col. Roma Sur D.F. 06160 Mexico	2	3	0	2149	2151		2044	2057	2106	
None	OUTSHORN Cango Ranch and Cheetah Land P.O. Box 559 Oustshoorn 6620 South Africa	24	18	0	2305 2881 3602 3817 3828 3831 3841 4148	2663 3088 3604 3822 3829 3833 3843 4150	2794 3231 3661 3827 3830 3836 4091 4151	1829 2888 3783 3834 3840 4152	2666 3606 3784 3835 3842 4153	2670 3662 3832 3839 4149 4154	
None	PAIGNTON Paignton Zoological & Bot. Gardens Totnes Road, Paignton Devon TQ4 7EU Great Britain	1	1	0	1782			1582			
Both	PALM DES The Living Desert 47-900 Portola Avenue Palm Desert CA 92260 USA	2	1	0	3322	3323		3324			
None	PARADISE EXOTICS	1	1	0	2886			2667			

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	A. Goodwin Paradise Exotics Qualicum Beach B.C. Canada										
None	PARIS ZOO Parc Zoologique De Paris 53 Avenue de Saint Maurice F-75012 Paris France	4	3	0	1813 3283	1863	2011	1756	1815	3725	
Both	PEAUGRES Safari De Peugres 07340 Peaugres France	4	5	0	3102 3670	3154	3498	2186 3673	3182 3543	3618	
None	PEKING Peking Zoological Gardens 137 Xi Zhi Men Wai Street Beijing People's Republic of China	1	1	0	1661			417			
None	PERTH Perth Zoo 20 Labauchere Rd South Perth Australia	0	1	0				3963			
Both	PHILADELP Philadelphia Zoo 3400 West Girard Avenue Philadelphia PA 19104-1196 USA	0	1	0				2223			
Mid	PHOENIX Phoenix Zoo 455 N. Galvin Pkwy Phoenix AZ 85008-3431 USA	4	1	0	2895 3305	2897	3302	3306			
Mid	PITTSBURG Pittsburgh Zoo P.O. Box 5250, Hill Road Pittsburgh PA 15206-1178 USA	1	1	0	2799			3020			
Mid	PLANCKNDL Wild Animal Park Planckendael Leuvenseeteenweg 582-B-2812 Muisen, Meckelem Belgium	1	1	0	2854			2842			
None	POLARPK Polar Park 51419 Range Road, 223 Sherwood Park Alberta T8C 1H4 Canada	0	5	0				2144 2301	2291 2489	2294	
End	PONTSCORF Parc Zoologique de Pont-Scorff 56620 Pont-Scorff France	3	2	0	1411	1879	4047	1817	4065		
Mid	PRAHA Zoologicka Zahrada v Praze	2	4	0	2676	3341		3219 3401	3851	3852	



FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	U Trajskehu Zamku 3/120 17100 Phraha 7-Troja Czech Republic										
End	PRET DW Cheetah Breeding Center P.O. Box 16 DeWildt 0251 South Africa	37	49	0	2477	2635	2774	2133	2480	2619	
					3057	3070	3288	2775	2790	2795	
					3410	3421	3422	2796	2989	3058	
					3447	3585	3608	3213	3214	3265	
					3609	3622	3632	3385	3403	3405	
					3633	3964	3965	3413	3423	3428	
					3971	3972	3974	3586	3587	3630	
					3975	3980	3981	3634	3635	3642	
					3985	3986	3987	3687	3750	3782	
					3989	3992	3993	3787	3968	3969	
					3994	3995	4108	3970	3982	3983	
					4109	4111	4112	3984	3990	3991	
					4120			4088	4103	4106	
								4110	4113	4114	
								4115	4116	4121	
								4122	4123	4125	
								4126			
None	PRETORIA LICH Lichtenburg Breeding Center c/o National Zoo of South Africa P.O. Box 754 Pretoria, 0001 South Africa	2	0	0	2632	2763					
None	PRET POT Potgietersrus c/o National Zoo of South Africa P.O. Box 754 Pretoria, 0001 South Africa	2	0	0	2109	2127					
None	PRETORIA National Zoological Gardens Boom St P.O. Box 754 Pretoria, 0001 South Africa	1	3	0	2485			2765	2772	2778	
Both	PROVIDNCE Roger Williams Park Zoo 1000 Elmwood Avenue Providence RI 02907-3600 USA	1	0	0	2719						
None	PYONGYANG Pyongyang Central Zoo Main Department, Te Son San Gesondon, Region Teson Pyongyang North Korea	1	0	0	1308						
Mid	RABAT Parc Zoologique National De Rabat BP 4142-12000 Temara Morocco	1	1	0	1623			1624			
End	RAMAT GAN Zoological Center Tel Aviv Ramat Gan Ltd National Park P.O. Box 984 Ramat Gan 52109 Israel	2	0	0	3567	3490					
None	RANGOON Rangoon Zoological Gardens	1	1	0	2662			2664			

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	Lake Road Kandugalay, Po, Rangoon Burma										
Mid	REDWOOD Marine World/ Africa USA 1000 Fairgrounds Vallejo CA 94589 USA	0	2	0			2978	2980			
None	REIMANN Mr. Reimann P.O. Box 601 Gobabis Namibia	0	1	0			3191				
None	REYNOU Parc du Reynou Domaine du Reynou 87110 Le Vigen France	1	1	0	3925		3930				
None	RIO GRAND Rio Grand Zoological Park 903 Tenth St. SW Albuquerque NM 87102 USA	1	3	0	583		1903	2419	3530		
Mid	RIYADH Riyadh Zoological Garden P.O. Box 27055 Riyadh 11417 Kingdom of Saudi Arabia	2	3	0	3537	3626	3611	3623	3751		
Both	ROCKTON African Lion Safari & Game Farm Ltd R.R. 1, Cambridge Ontario Canada N1R 5S2	6	5	0	1947 3164	2876 3165	3163 3435	2465 3789	2668 3790	3437	
Both	ROSTOCK Zoologischer Garten Rostock G GmbH Rennbahnalle 21 Rostock 18059 Germany	2	1	0	2248	3329	3330				
Both	SAARBRUCK Zoologischer Garten Saarbrucken Graf-Stauffenberg-Strasse W-66121 Saarbrucken 3 Germany	0	1	0			3038				
Both	SACRAMNTO Sacramento Zoo 3930 West Land Park Drive Sacramento CA 95822 USA	1	2	0	2218		2421	2424			
None	SAFARIWOR Safari World Public 99 Ramindra 1 Winburi, Minburi, Bangkok 10510 Thailand	5	6	0	2581 2958	2582 2964	2584	2956 2965	2959 2966	2960 2967	
None	SALZBURG Salzburger Tiergarten	2	4	0	2819	3671	1775 3672	1921	2196		

FACILITY		TOTAL ANIMALS			MALES		FEMALES			UNKNOW
	Hellbrun A-5081 ANIF Austria									
None	SAN ANTON San Antonio Zoological Gardens 3903 N. St. Mary's Street San Antonio TX 78212 USA	2	0	0	1884	2891				
None	SANDIEGOZ San Diego Zoo P.O. Box 551 San Diego CA 92112-0551 USA	2	0	0	3024	3676				
Both	SANFORD Central Florida Zoo P.O. Box 470309 Lake Monroe FL 32747-0309 USA	3	0	0	2566	2893	2894			
None	SAO PAULO Sao Paulo Zoo Park Avda Miguel Stefano 4241 04301-905 Sao Paulo Brazil	1	0	0	3291					
None	SCHAEFER Mr. T. Schaefer Namibia	5	0	0	4029 4036	4030 4037	4035			
None	SCHMIDT Mr. C. Schmidt P.O.Box 11864 Klein-Windhoeck Namibia	3	4	0	4033 4131	4034	4031 4039	4032	4038	
Both	SCHOEMAN Tweefontein Nature Reserve Ms. Corrie Schoeman P.O. Box 207 Theunissen 9410 South Africa	1	1	0	2904		3361			
None	SD - WAP San Diego Wild Animal Park 15500 San Pasqual Valley Road Escondido CA '92027-9614 USA	7	5	0	1900 2733 2914	2418 2734	2422 2735	1898 2915	2425 4056	2736
None	SELWO Autovia Costa Del Sol, KM 162'5 Las Lomas Del Monte 29680 Estepona Malaga Spain	1	1	0	3582		2556			
None	SERRANOVA F.A.O. Mr. Marziale Loreto Parco Faunistico Serranova Italy	1	1	0	2252		2502			

	<b>FACILITY</b>	<b>TOTAL ANIMALS</b>			<b>MALES</b>			<b>FEMALES</b>			<b>UNKNOW</b>
None	SHARJAH United Arab Emirates	1	1	0	3566			3569			
Both	SHIRAHAMA Adventure World Shirahama, Nishimuro-gun Wakayama 649-22 Japan	15	8	0	2852	2969	3412	2872	3274	3404	
					3532	3933	3934	3452	3533	3935	
					3938	3939	4074	4078	4136		
					4075	4076	4077				
					4132	4133	4134				
Mid	SIGEAN Reserve Africaine De Sigean RNG 11130 Sigean France	1	0	0	2251						
Both	SINGAPORE Singapore Zoological Gardens 80 Mandai Lake Road Singapore 2572 Singapore	3	1	0	1966	2940	3073	3080			
Mid	SLOVENIA Renata Caks Petrovce 222 63301 Petrouce Republika Slovenia	1	0	0	3137						
None	SOEST G. Van Den Brink Laan 52A, 3766 Av Soest Netherlands	7	1	0	2688	2689	2690	2882			
					2691	2866	2867				
					2880						
None	SOFIA Sofia Zoological Garden Kv. Hladilnika P.O. Box 67 Sofia 1407 Bulgaria	2	0	0	3117	3118					
Both	SPRINGFIE Henson Robison Zoo 1100 East Lake Dr. Springfield IL 62707 USA	1	0	0	1938						
None	SRI LANK National Zoological Gardens of Sri Lanka Anagarika Dharmapala Mawatha POB 3 Dehiwala Sri Lanka	1	1	0	2371			3083			
Both	ST LOUIS St. Louis Zoological Park Forest Park St. Louis MO 63110 USA	3	3	0	575	576		1889	2141	2686	
					2220						
None	STEENKAMP Mr. H. P. Steenkamp P.O. Box 66289 Riesbeck 9469 South Africa	2	0	0	2622	2629					
None	STELLENBO Anni Beckhelling Victoria Junction (109/211) Preswich Street	3	2	0	2306	3573	3802	3685	3804		

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	Capetown 8000 South Africa										
Mid	STUTT GART Zoologisch-Botanischer Garten Postfach 501227 Stuttgart 70342 Germany	1	1	0	1760			1922			
None	SUTTONCRF Sutton Crocodile Farm P.O. Box 16 Rondebult, 1423 South Africa	5	5	0	1827 2281	1828 2286	2280	1812 2289	1830 2290	2288	
None	TAIPEI Taipei Zoological Garden 30 Hsin Kuang Road Sec. 2 Taipei Taiwan 11628 R.O.C. Taiwan	0	1	0				2184			
None	TASHKENT Tashkent Zoogoven, 2320, Djakhon Abidora Str Tashkent 700053 Uzbekistan	0	1	0				1653			
None	THORNYBUS Thornybush Lodge and Game Reserve P.O. Box 169 Hoedspruit 1380 South Africa	1	0	0	3777						
None	TIJUANA Hipodromo Zoo Park Tijuana B.C. Mexico	6	12	0	1583 2456	1681 2570	2370 2674	1581 2380 2458 2678	1585 2442 2574 2699	2379 2443 2677 3006	
End	TOBE Ehime Prefectural Tobe Zoo Uehara-machi 260 Tobe-cho, Iyo-gun, Ehime Japan	2	1	0	1857	2413		2176			
End	TOBU Tobu Zoological Park 110 Suka, Miyashiro-town Saitama-pref 345 Japan	1	1	0	2928			1633			
Both	TOKYOTAMA Tama Zoological Park 7-1-1 Hodokubo, Hino-Shi Tokyo 191-0042 Japan	4	2	0	2626 3076	2851	2870	2627	2628		
End	TOLEDO Toledo Zoological Gardens 2700 Broadway Avenue, P.O. Box 4010 Toledo OH '43609 USA	2	0	0	590	591					
None	TOLUCA Zoo Zaconga De Natur Fauna Cepana F, Allende sur 124 Toloca Mexico C.P. 50.000 Towen Mexico Puerta, A355 Mexico	1	0	0	605						
Both	TOMIOKA	1	2	0		2580		2415	2533		

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
	Gunma Safari World 1 Okamoto, Tomoika Gunma 370-23 Japan										
Both	TORONTO Metropolitan Toronto Zoo 361A Old Finch Ave Scarborough Ontario M1B 5K7 Canada	4	6	0	2715 3721	2717	3436	2242 3438	2707 3450	3064 3791	
None	TSAOBIS Tsaobis Leopard Park P.O. Box 143 Karibib Namibia	3	2	0	2268	3069	3571	2264	3289		
None	TSWALA Tswalo Private Desert Reserve Mr. Stephen Boler P.O. Box 10810 Kuruman 8460 South Africa	2	1	0	3768	3769		3778			
None	TULA Tula Zoo Circus N. Rudneva 2720 Tula Index 300012 Russia	3	0	0	1333	1398	2404				
Mid	TULSA Tulsa Zoological Park 5701 E. 36th Street North Tulsa OK 74115 USA	3	0	0	3544	3545	3547				
None	Unknown in China	3	3	0	4100	4102	4105	4089	4101	4104	
None	Unknown from Fuengirol	1	2	0	3092			2986	3095		
None	Unknown from Oudtshorn	1	0	0	3821						
None	USAKOS Usakos Hotel Gauss Str. Erf 19 P.O. Box 129 Usakos Namibia	1	0	0	2587						
None	VAARTZ, J P.O. Box 870 Windhoek Namibia	2	2		4020	4023		4024	4026		
None	VANDERMERW Nick Van de Merwe P.O. Box 548 Gobabis 9000 Namibia	5	5	0	2818 2826	2822 3042	2823	2824 3039	2827 3043	2828	
None	VERBESSEL Dirk Verbesselt 1840 Londerzeel Belgium	2	2	0	3179	3484		3181	3485		
None	VIDEBAEEK Jyllands Mini Zoo 6920 Videbaek Haunstrup Denmark	1	1	0	3232			3114			

	<b>FACILITY</b>	<b>TOTAL ANIMALS</b>			<b>MALES</b>			<b>FEMALES</b>			<b>UNKNOW</b>
Both	VIENNA Tiergarten Schonbrunner Gesellschaft M.B.H. Maxingstraube 13b A-1130 Wien Austria	3	2	0	3147	3148	4145	3240	4146		
None	VOIGTS Mr. and Mrs. H. Voigts P.O. Box 12 Maltahohe Namibia	2	2	0	3037	3255		3036	3256		
None	VON LEIPS D E. Von Leipzig P.O. Box 17 Omitara Namibia	1	1	0	3656			3660			
None	VONSEYDLI Mr. And Mrs. H.S. von Seydlitz P.O. Box 382 Okmaruru Namibia	2	2	0	2839	3892		2840	3891		
Both	WARSAW Ogrod Zoologiczny-Warszawa 03-461 Warszawa Ratuszowa 1/3 Polska Poland	2	1	0	3668	3669		3902			
End	WASS BR C Wassenaar Wildlife Breeding Centre Raaphorslaan 28, 2245 bj Wassenaar (01751-78028) Netherlands	9	7	0	1619	2510	3741	1993	2256	2503	
					3742	3779	3895	3121	3624	3898	
					3896	4048	4137	4138			
End	WELLINGTN Wellington Zoo Newtown Park P.O. Box 2199 Wellington 2 New Zealand	2	0	0	1958	1959					
Mid	WERRIBEE Victoria's Open Range Zoo at Werribee P.O. Box 460 Werribee 3030 Victoria Australia	3	0	0	3519	3520	3521				
None	WESTERLOO Zoopark Corten Paddekens 1, 2260 Westerlo Belgium	0	1	0				3463			
Both	WHIPSNAD E The Zoological Society of London Whipsnade Park Dunstable Bedfordshire LU6 2LF Great Britain	1	4	0	2367			2188	2190	2702	
								2806			
None	WHYTE Broadlands P.O. Box 49 Kirkwood 6120 South Africa	1	1	0	3448			3449			
None	WINDSOR Windsor Safari Park Winkfield Road, Windsor Berkshire SL4 4AY	1	1	0	1573			1895			

FACILITY		TOTAL ANIMALS			MALES			FEMALES			UNKNOW
Great Britain											
Mid	WINSTON Wildlife Safari P.O. Box 1600 Winston OR 97496 USA	3	6	0	2352	3314	3318	2241	3153	3316	
								3415	3915	3916	
None	WORMS M Mrs. Worms P.O. Box 290 Omaruru Namibia	1	0	0	3548						
Both	WUPPERTAL Zoologischer Garten Wuppertal Hubertusallee 30 42117 Wuppertal Germany	2	3	0	1919	3146		1923	2472	2486	
None	YOSHIKAWA Yoshikawa Animal Trading Co. 3-11-4 Nakayamate-dori, Chuo-ku, Kobe-city Hyogo-pref. 650 Japan	2	5	0	868	2051		869	870	871	
								2050	2140		
Both	YULEE White Oak Conservation Center 726 Owens Rd Yulee FL 32097 USA	7	7	0	357	2918	2974	405	508	2124	
					2982	3340	3976	2977	2983	3978	
					3977			3979			
None	ZAHN Rudi Zahn P.O. Box 120 Outjo Namibia	1	1	0	3615			3617			
None	ZOOANIMAL J. Ren P.O. Box 18636 The Hague Netherlands	0	1	0				1102			
None	ZOOLANDIA Zoolandia El Ramal 35 La Oratava Tenerife, Islas Canarias Spain	0	1	0				2618			
<b>Grand Total</b>		<b>668</b>	<b>620</b>	<b>8</b>							



## **SECTION D**

### **1999 Additions**

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4037	M	~ May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1161	Capture	Parent				00014486CCT
					CCF	18 Feb 1999	1161	Transfer					
					SCHAEFFER	14 Jul 1999	1161	Loan to					
4038	F	~ May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1160	Capture	Parent				00014479A9T
					CCF	18 Feb 1999	1160	Transfer					
					SCHMIT	14 May 1999	1160	Loan to					
4039	F	~ 1 May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1159	Capture	Parent				0001432C3AT
					CCF	18 Feb 1999	1159	Transfer					
					SCHMIDT	14 May 1999	1159	Loan to					
4042	F	15 Jan 1998	WILD	WILD	NAMIBIA	~ Aug 1998	NONE	Capture	Parent		SELKIE		00014392F4T
					HANSSSEN	27 Aug 1998	AJ279	Transfer					
4043	F	15 Feb 1998	WILD	WILD	NAMIBIA	~ Oct 1999	NONE	Capture	Parent		ALYS		
					HANSSSEN	14 Oct 1999	AJ295	Transfer					
4044	M	15 Aug 1998	WILD	WILD	NAMIBIA	~ May 1999	NONE	Capture	Parent		MEASLES		
					HANSSSEN	1 Jun 1999	AJ1/99	Transfer					
4045	M	~ Mar 1998	UNK	UNK	AL AIN	~ 1999	UNK	Transfer	Unknown				
4046	F	~ Mar 1998	UNK	UNK	AL AIN	~ 1999	UNK	Transfer	Unknown				
4047	M	22 Mar 1998	1755	2850	LA PALMYR	22 Mar 1998	2301	Birth	Parent			ZLP25	
					PONTSCORF	14 Jan 1999	UNK	Loan to					
4048	M	22 Mar 1998	1755	2850	LA PALMYR	22 Mar 1998	2303	Birth	Parent			ZLP26	
					WASS BR C	16 Apr 1999	UNK	Loan to					
4049	M	22 Mar 1998	1755	2850	LA PALMYR	22 Mar 1998	2304	Birth	Parent			ZLP27	
					HODENHAGN	4 Jun 1999	UNK	Loan to					
4050	M	22 Mar 1998	1755	2850	LA PALMYR	22 Mar 1998	2305	Birth	Parent			ZLP28	
4051	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999	UNK	Birth	Parent		ETOSHCA	TGN6	1CE-B4D5
4052	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999	UNK	Birth	Parent		OTAWI	TGN7	1CE-B9A4
4053	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999	UNK	Birth	Parent			TGN8	
						29 Jan 1999		Death					
4054	F	8 Apr 1999	2897	3306	PHOENIX	8 Apr 1999	8877	Birth	Hand			PH11	
						15 Apr 1999		Death					
4055	?	8 Apr 1999	2897	3306	PHOENIX	8 Apr 1999	8878	Birth	Unknown			PH12	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
						10 Apr 1999		Death					
4056	F	10 Apr 1999	2914	2425	SD-WAP	10 Apr 1999	TTBKO3	Birth	Unknown		BINDURA	SD107	
4057	?	10 Apr 1999	2914	2425	SD-WAP	10 Apr 1999 10 Apr 1999	NONE	Birth Death	Unknown			SD108	
4058	M	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2548	Birth	Parent			ZLP30	12FB98F
4059	M	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2550	Birth	Parent		MUSCLOR	ZLP31	134ED57
4060	F	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2549	Birth	Parent		MUSCELETTEZLP32		13513E5
4061	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99016	Birth	Unknown		FUNDI	BB43	0001CF6088
4062	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99017	Birth	Unknown		YAMIKANI	BB44	000143EE8B
4063	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99018	Birth	Unknown		PAKA	BB45	0001CEB2C2
4064	F	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99015	Birth	Unknown		MOJA	BB46	000144C3B7
4065	F	22 Mar 1998	1755	2850	LA PALMYR PONTSCORF	22 Mar 1998 14 Jan 1999	2302 UNK	Birth Loan to	Parent			ZLP29	
4066	M	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99022	Birth	Unknown		JASIRI	BB47	0001432BAA
4067	M	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99025	Birth	Unknown			BB48	0001CEDB57
4068	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99023	Birth	Unknown		LULU	BB49	000143CF39
4069	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99024	Birth	Unknown		SITA-JOHANBB50		0001CE617B
4070	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99026	Birth	Unknown		SEVIANA	BB51	0001CDC29B
4071	M	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99020	Birth	Unknown		MVULANA	BB52	0001DA7A82
4072	M	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99021	Birth	Unknown		MALAIKA	BB53	0001CE0995
4073	F	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99019	Birth	Unknown		MSICHANA	BB54	0001CED877
4074	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	370	Birth	Parent		RAY	AW96	
4075	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	371	Birth	Parent		ALTO	AW97	
4076	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	372	Birth	Parent		AXCEL	AW98	
4077	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	373	Birth	Parent		TYLER	AW99	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4078	F	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	374	Birth	Parent		EVE	AW100	
4079	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG1	Birth	Unknown			JBG1	
4080	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG2	Birth	Unknown			JBG2	
4081	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG3	Birth	Unknown			JBG3	
4082	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG4	Birth	Unknown			JBG4	
4083	F	~ Apr 1999	WILD	WILD	NAMIBIA HANSSEN	~ Oct 1999 ~ 1 Oct 1999	AJ29/9 AJ2999	Capture Transfer	Parent		RAFIKI		
4084	M	~ May 1999	WILD	WILD	NAMIBIA	~ Jul 1999	AJ1499	Capture	Hand		TARKA		
4085	M	~ Aug 1998	WILD	WILD	NAMIBIA HANSSEN	~ Jun 1999 1 Jun 1999	AJ1299 AJ1299	Capture Transfer	Parent		KNERSES		
4086	F	19 Nov 1998	2275	3481	MITO CHO	19 Nov 1998 2 Jun 1999	UNK	Birth Death	Hand		TANNA	AKI14	
4087	F	19 Nov 1998	2275	3481	MITO CHO	19 Nov 1998	UNK	Birth	Parent			AKI15	
4088	F	1 Oct 1998	WILD	WILD	BOTSWANA PRET DW	~ Jan 1999 29 Sep 1999	UNK FB357	Capture Transfer	Parent				
4089	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA339 UNK	Birth Transfer	Parent			DEW527	
4090	F	~ Nov 1998	WILD	WILD	SOMALIA ABU DUBAI HOEDSPRUI	~ 1999 ~ 1999 30 Mar 1999	UNK UNK UNK	Capture Transfer Transfer	Unknown		RONELIE		
4091	M	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand		SHAKA	CC98	
4092	M	3 Dec 1998	2552	3950	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown			PAMPOENTJIHOE148	
4093	M	3 Dec 1998	2552	3950	HOEDSPRUI GHIAZZA	3 Dec 1998 ~ 1 Jun 1999	UNK UNK	Birth Transfer	Unknown			PAMPOENTJIHOE149	
4094	M	3 Dec 1998	2552	3950	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown			PAMPOENTJIHOE150	
4095	M	3 Dec 1998	2552	3950	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown			PAMPOENTJIHOE151	
4096	M	29 Dec 1998	2543	2706	HOEDSPRUI	29 Dec 1998	UNK	Birth	Unknown		MARTIN	HOE146	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4097	F	29 Dec 1998	2543	2706	HOEDSPRUI	29 Dec 1998	UNK	Birth	Unknown		MARTINA	HOE147	
4098	M	~ Apr 1998	WILD	WILD	NAMIBIA EGERTON	~ Dec 1998 ~ Dec 1998	NONE NONE	Capture Transfer	Parent				
4099	F	~ Apr 1998	WILD	WILD	NAMIBIA EGERER	~ Dec 1998 ~ Dec 1998	NONE NONE	Capture Transfer	Parent				
4100	M	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA340 UNK	Birth Transfer	Parent			DEW522	
4101	F	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA341 UNK	Birth Transfer	Parent			DEW523	
4102	M	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA336 UNK	Birth Transfer	Parent			DEW524	
4103	F	9 Apr 1999	2635	2989	PRET DW	9 Apr 1999	FA337	Birth	Parent			DEW525	
4104	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA338 UNK	Birth Transfer	Parent			DEW526	
4105	M	20 Apr 1999	2635	3265	PRET DW CHINA	20 Apr 1999 3 Dec 1999	MA342 UNK	Birth Transfer	Parent			DEW528	
4106	F	20 Apr 1999	2635	3265	PRET DW	20 Apr 1999	FA343	Birth	Parent			DEW529	
4107	F	20 Apr 1999	2635	3265	PRET DW	20 Apr 1999 30 Sep 1999	FA344	Birth Death	Parent			DEW530	
4108	M	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	MA345	Birth	Parent			DEW531	
4109	M	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	ME047	Birth	Hand			DEW532	
4110	F	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	FA346	Birth	Parent			DEW533	
4111	M	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	MA347	Birth	Parent			DEW534	
4112	M	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	MA348	Birth	Parent			DEW535	
4113	F	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	FA349	Birth	Parent			DEW536	
4114	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA350	Birth	Hand			DEW537	
4115	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA351	Birth	Hand			DEW538	
4116	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA352	Birth	Hand			DEW539	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4117	M	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown			HOE152	
4118	M	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown			HOE153	
4119	F	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown			HOE154	
4120	M	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	MA353	Birth	Parent			DEW540	
4121	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA354	Birth	Parent			DEW541	
4122	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA355	Birth	Parent			DEW542	
4123	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA356	Birth	Parent			DEW543	
4124	M	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999 10 Oct 1999	MA358	Birth Death	Hand			DEW544	
4125	F	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999	FA359	Birth	Hand			DEW545	
4126	F	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999	FA360	Birth	Hand			DEW546	
4127	M	~ Sep 1998	WILD	WILD	NAMIBIA MEYER CCF	~ Dec 1998 ~ Dec 1998 11 Nov 1999	NONE NONE 1185	Capture Transfer Transfer	Parent		GUY		
4128	M	~ Mar 1997	WILD	WILD	NAMIBIA UNKNOWN STEYN CCF	~ Dec 1997 ~ Dec 1997 ~ May 1998 27 Sep 1999	NONE NONE NONE 1178	Capture Transfer Transfer Transfer	Parent		JEFF		000IC63AEET
4129	M	~ Mar 1997	WILD	WILD	NAMIBIA UNKNOWN STEYN CCF	~ Dec 1997 ~ Dec 1997 ~ May 1998 27 Sep 1999	UNK NONE NONE 1179	Capture Transfer Transfer Transfer	Parent		MATTI		000IBEA6OET
4130	M	~ Mar 1997	WILD	WILD	NAMIBIA UNKNOWN STEYN CCF	~ Dec 1997 ~ Dec 1997 ~ May 1998 27 Sep 1999	UNK NONE NONE 1180	Capture Transfer Transfer Transfer	Parent		DON		000IC03ES2T
4131	M	~ 1995	WILD	WILD	NAMIBIA SCHMIDT	~ Jan 1999 ~ Jan 1999	NONE NONE	Capture Transfer	Parent				
4132	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	375	Birth	Parent		BIONDY	AW101	
4133	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	376	Birth	Parent		RALF	AW102	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4134	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	377	Birth	Parent		DAISUKE	AW103	
4135	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999 1 Oct 1999	379	Birth Death	Parent			AW104	
4136	F	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	378	Birth	Parent		MIRA	AW105	
4137	M	7 Oct 1999	2510	2503	WASS BR C	7 Oct 1999	UNK	Birth	Parent		MACHO	WAS139	
4138	F	7 Oct 1999	2510	2503	WASS BR C	7 Oct 1999	UNK	Birth	Parent		MISSY	WAS140	
4139	M	18 Oct 1999	2204	3460	LUTHER	18 Oct 1999	999919	Birth	Parent		MWANA	OAK1	
4140	F	18 Oct 1999	2204	3460	LUTHER	18 Oct 1999	999920	Birth	Parent		NTOMBI	OAK2	
4141	F	18 Oct 1999	2204	3460	LUTHER BATONROUG	18 Oct 1999 9 Nov 1999	999921 UNK	Birth Transfer	Parent			OAK3	
4142	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent			AKI16	
4143	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent			AKI17	
4144	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent			AKI18	
4145	M	26 Oct 1999	3148	3240	VIENNA	26 Oct 1999	UNK	Birth	Parent			VZ1	
4146	F	26 Oct 1999	3148	3240	VIENNA	26 Oct 1999	UNK	Birth	Parent			VZ2	
4147	F	30 Nov 1999	2521	3353	HOEDSPRUI	30 Nov 1999	NONE	Birth	Unknown				
4148	M	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand		SHAWU	CC99	
4149	F	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand		TESSA	CC100	
4150	M	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		HARLEY	CC101	001C548E8T
4151	M	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		PUMBA	CC102	0001DDDA9ET
4152	F	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		CAL	CC103	0001C56B31T
4153	F	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		DADA	CC104	0001C632EFT
4154	F	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999	UNK	Birth	Hand		GOGGLES	CC105	0001C07E01T
4155	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death	Unknown				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4156	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death	Unknown				
4157	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death	Unknown				
4158	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4553	Birth	Parent		JOSHI		0001CEAD12
4159	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4554	Birth	Parent		SISKO		0001CDEC4B
4160	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4555	Birth	Parent		CHUMBA		0001CDDE4C
4161	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4556	Birth	Parent		M29		0001CDE04B
4162	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4557	Birth	Parent		M30		0001CDDA24
4163	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4558	Birth	Parent		KIZA		0001CDDFAD
4164	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4559	Birth	Parent		NAMPA		0001CEACCC
4165	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4586	Birth	Parent		XANA		000200640C



## **SECTION E**

### **1999 Births**

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4051	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999	UNK	Birth	Parent		ETOSHCA	TGN6	1CE-B4D5
4052	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999	UNK	Birth	Parent		OTAWI	TGN7	1CE-B9A4
4053	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999 29 Jan 1999	UNK	Birth Death	Parent			TGN8	
4054	F	8 Apr 1999	2897	3306	PHOENIX	8 Apr 1999 15 Apr 1999	8877	Birth Death	Hand			PH11	
4055	?	8 Apr 1999	2897	3306	PHOENIX	8 Apr 1999 10 Apr 1999	8878	Birth Death	Unknown			PH12	
4056	F	10 Apr 1999	2914	2425	SD-WAP	10 Apr 1999	TTBK03	Birth	Unknown		BINDURA	SD107	
4057	?	10 Apr 1999	2914	2425	SD-WAP	10 Apr 1999 10 Apr 1999	NONE	Birth Death	Unknown			SD108	
4058	M	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2548	Birth	Parent			ZLP30	12FB98F
4059	M	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2550	Birth	Parent		MUSCLOR	ZLP31	134ED57
4060	F	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2549	Birth	Parent		MUSCELETTEZLP32		13513E5
4061	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99016	Birth	Unknown		FUNDI	BB43	0001CF6088
4062	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99017	Birth	Unknown		YAMIKANI	BB44	000143EE8B
4063	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99018	Birth	Unknown		PAKA	BB45	0001CEB2C2
4064	F	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99015	Birth	Unknown		MOJA	BB46	000144C3B7
4066	M	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99022	Birth	Unknown		JASIRI	BB47	0001432BAA
4067	M	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99025	Birth	Unknown			BB48	0001CEDB57
4068	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99023	Birth	Unknown		LULU	BB49	000143CF39
4069	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99024	Birth	Unknown		SITA-JOHANBB50		0001CE617B
4070	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99026	Birth	Unknown		SEVIANA	BB51	0001CDC29B
4071	M	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99020	Birth	Unknown		MVULANA	BB52	0001DA7A82
4072	M	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99021	Birth	Unknown		MALAIKA	BB53	0001CE0995
4073	F	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99019	Birth	Unknown		MSICHANA	BB54	0001CED877

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4074	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	370	Birth	Parent		RAY	AW96	
4075	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	371	Birth	Parent		ALTO	AW97	
4076	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	372	Birth	Parent		AXCEL	AW98	
4077	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	373	Birth	Parent		TYLER	AW99	
4078	F	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	374	Birth	Parent		EVE	AW100	
4079	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG1	Birth	Unknown			JBG1	
4080	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG2	Birth	Unknown			JBG2	
4081	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG3	Birth	Unknown			JBG3	
4082	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG4	Birth	Unknown			JBG4	
4089	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA339 UNK	Birth Transfer	Parent			DEW527	
4091	M	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand		SHAKA	CC98	
4100	M	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA340 UNK	Birth Transfer	Parent			DEW522	
4101	F	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA341 UNK	Birth Transfer	Parent			DEW523	
4102	M	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA336 UNK	Birth Transfer	Parent			DEW524	
4103	F	9 Apr 1999	2635	2989	PRET DW	9 Apr 1999	FA337	Birth	Parent			DEW525	
4104	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA338 UNK	Birth Transfer	Parent			DEW526	
4105	M	20 Apr 1999	2635	3265	PRET DW CHINA	20 Apr 1999 3 Dec 1999	MA342 UNK	Birth Transfer	Parent			DEW528	
4106	F	20 Apr 1999	2635	3265	PRET DW	20 Apr 1999	FA343	Birth	Parent			DEW529	
4107	F	20 Apr 1999	2635	3265	PRET DW	20 Apr 1999 30 Sep 1999	FA344	Birth Death	Parent			DEW530	
4108	M	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	MA345	Birth	Parent			DEW531	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4109	M	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	ME047	Birth	Hand			DEW532	
4110	F	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	FA346	Birth	Parent			DEW533	
4111	M	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	MA347	Birth	Parent			DEW534	
4112	M	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	MA348	Birth	Parent			DEW535	
4113	F	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	FA349	Birth	Parent			DEW536	
4114	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA350	Birth	Hand			DEW537	
4115	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA351	Birth	Hand			DEW538	
4116	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA352	Birth	Hand			DEW539	
4117	M	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown			HOE152	
4118	M	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown			HOE153	
4119	F	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown			HOE154	
4120	M	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	MA353	Birth	Parent			DEW540	
4121	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA354	Birth	Parent			DEW541	
4122	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA355	Birth	Parent			DEW542	
4123	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA356	Birth	Parent			DEW543	
4124	M	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999 10 Oct 1999	MA358	Birth Death	Hand			DEW544	
4125	F	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999	FA359	Birth	Hand			DEW545	
4126	F	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999	FA360	Birth	Hand			DEW546	
4132	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	375	Birth	Parent		BIONDY	AW101	
4133	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	376	Birth	Parent		RALF	AW102	
4134	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	377	Birth	Parent		DAISUKE	AW103	
4135	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999 1 Oct 1999	379	Birth Death	Parent			AW104	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4136	F	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	378	Birth	Parent		MIRA	AW105	
4137	M	7 Oct 1999	2510	2503	WASS BR C	7 Oct 1999	UNK	Birth	Parent		MACHO	WAS139	
4138	F	7 Oct 1999	2510	2503	WASS BR C	7 Oct 1999	UNK	Birth	Parent		MISSY	WAS140	
4139	M	18 Oct 1999	2204	3460	LUTHER	18 Oct 1999	999919	Birth	Parent		MWANA	OAK1	
4140	F	18 Oct 1999	2204	3460	LUTHER	18 Oct 1999	999920	Birth	Parent		NTOMBI	OAK2	
4141	F	18 Oct 1999	2204	3460	LUTHER BATONROUG	18 Oct 1999 9 Nov 1999	999921 UNK	Birth Transfer	Parent			OAK3	
4142	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent			AKI16	
4143	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent			AKI17	
4144	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent			AKI18	
4145	M	26 Oct 1999	3148	3240	VIENNA	26 Oct 1999	UNK	Birth	Parent			VZ1	
4146	F	26 Oct 1999	3148	3240	VIENNA	26 Oct 1999	UNK	Birth	Parent			VZ2	
4147	F	30 Nov 1999	2521	3353	HOEDSPRUI	30 Nov 1999	NONE	Birth	Unknown				
4148	M	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand		SHAWU	CC99	
4149	F	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand		TESSA	CC100	
4150	M	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		HARLEY	CC101	0001C548E8T
4151	M	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		PUMBA	CC102	0001DDDA9ET
4152	F	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		CAL	CC103	0001C56B31T
4153	F	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand		DADA	CC104	0001C632EFT
4154	F	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999	UNK	Birth	Hand		GOGGLES	CC105	0001C07E01T
4155	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death	Unknown				
4156	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death	Unknown				
4157	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death	Unknown				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4158	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4553	Birth	Parent		JOSHI		0001CEAD12
4159	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4554	Birth	Parent		SISKO		0001CDEC4B
4160	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4555	Birth	Parent		CHUMBA		0001CDDE4C
4161	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4556	Birth	Parent		M29		0001CDE04B
4162	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4557	Birth	Parent		M30		0001CDDA24
4163	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4558	Birth	Parent		KIZA		0001CDDFAD
4164	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4559	Birth	Parent		NAMPA		0001CEACCC
4165	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4586	Birth	Parent		XANA		000200640C

## **SECTION F**

### **1999 Deaths**

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
460	F	~ 1984	WILD	WILD	NAMIBIA	~ Jun 1984	NONE	Capture	ONI				
					TORONTO	10 Oct 1985	20182	Transfer					
					ROCKTON	14 Aug 1987		Transfer					
					TORONTO	7 Mar 1991	20182	Transfer					
					HEMMINGFD	26 Jun 1996	UNK	Loan to					
						4 May 1999		Death					
584	M	29 Jul 1988	426	461	FOSSILRIM	29 Jul 1988	1030	Birth	SARGE		FR 25		
					YULEE	26 Apr 1990	90210	Transfer					
					DUBBO	18 Apr 1995	950077	Transfer					
						9 Feb 1999		Death					
585	F	29 Jul 1988	426	461	FOSSILRIM	29 Jul 1988	1031	Birth	MAGGIE		FR 26		
					PALM DES	6 Feb 1996	UNK	Loan to					
						18 Jun 1999		Death					
586	F	29 Jul 1988	426	461	FOSSILRIM	29 Jul 1988	1032	Birth	CHEENA		FR 27		
					CALDWELL	28 Feb 1990	001748	Transfer					
					WINSTON	20 Nov 1990	130033	Loan to					
					BOISE	6 May 1995		Loan to					
						10 Jun 1999		Death					
592	F	24 Mar 1984	1039	1745	PRET DW	24 Mar 1984	D92286	Birth	FB014	SAMDEW 240		D0917	
					TOLEDO	21 Sep 1988	880025	Transfer					
					BATTLE CR	30 Mar 1993	0452	Loan to					
					TOLEDO	3 Mar 1994	880025	Transfer					
						4 Nov 1999		Death					
1269	F	~ 1981	WILD	WILD	NAMIBIA	~ 1985	NONE	Capture	IKELA				
					BRNO	23 Oct 1985	B06___	Transfer					
						19 Feb 1999		Death					
1395	F	11 Apr 1983	351	344	PRET DW	11 Apr 1983	D92281	Birth	MARGRIT		DEW		
					BASEL	24 Sep 1986	2-10	Transfer					
						28 Apr 1999		Death					
1423	F	4 Apr 1983	493	495	VARADAY	4 Apr 1983	NONE	Birth	LARAH		DV		
					HOEDSPRUI	1 Jul 1989	FA014	Transfer					
						1 Oct 1999		Death					
1464	M	~ 1983	WILD	WILD	NAMIBIA	~ 1985	NONE	Capture	KERIO				
					DVURKRALV	21 Jun 1985	33	Transfer					
					PRAHA	10 Apr 1990	900111	Transfer					
					BRNO	27 Nov 1991		Transfer					



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					DVURKRALV	6 Aug 1992			Transfer				
						23 Jun 1999			Death				
1466	M	~ 1983	WILD	WILD	NAMIBIA	~ 1985	NONE		Capture	LUSO			
					DVURKRALV	7 Sep 1985	38		Transfer				
						23 Jun 1999			Death				
1470	F	~ 1984	WILD	WILD	NAMIBIA	~ 1985	NONE		Capture	GAIA			
					DVURKRALV	7 Sep 1985	40		Transfer				
						19 Oct 1999			Death				
1471	M	~ 1984	WILD	WILD	NAMIBIA	~ 1985	NONE		Capture	NURI			
					BRNO	23 Oct 1985			Transfer				
						6 Aug 1999			Death				
1473	M	~ 1984	WILD	WILD	NAMIBIA	~ 1986	NONE		Capture	2			
					LISBON	6 Nov 1986	44		Transfer				
						5 Jul 1999			Death				
1487	M	~ 1984	WILD	WILD	NAMIBIA	~ 1984	NONE		Capture	JONAS			
					HERBERSTN	~ 1984			Transfer				
					MUNICH	25 Jul 1986	058004		Transfer				
					HANNOVER	23 Aug 1990	V/446		Transfer				
					KOLN	19 Aug 1992	1520		Loan to				
						19 Nov 1999			Death				
1544	M	9 Nov 1984	347	356	WHIPNADE	9 Nov 1984			Birth	GRAHAM	WH 103		
					WUPPERTAL	6 Feb 1986	86002		Loan to				
						10 May 1999			Death				
1574	M	1 Mar 1985	347	350	WHIPNADE	1 Mar 1985			Birth	TAWCH	WH 109		
					JERSEY	6 Dec 1986	M1205		Loan to				
					RIYADH	5 Mar 1992	922786		Transfer				
						9 Jan 1999			Death				
1620	F	18 Sep 1985	848	1151	WASS BR C	18 Sep 1985			Birth	ZSA ZSA	WAS 37		
						10 Dec 1999			Death				
1639	F	~ 1986	WILD	WILD	NAMIBIA	~ 1986	NONE		Capture	LOSKOP		00013BD95D	
					JOHANSBRG	22 Sep 1986	115		Transfer				
						17 Nov 1999			Death				
1723	M	11 Jun 1987	1444	1230	DUBBO	11 Jun 1987	870010		Birth	KIBO	WPZ 6		
					ORANA	29 Oct 1988	529		Loan to				
						19 Feb 1999			Death				
1740	M	25 Sep 1987	952	1077	HUIZEN FD	25 Sep 1987	B110		Birth	SAMBURU	EAF 10		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					PEAUGRES	26 Mar 1991		C69	Transfer				
						28 Jun 1999			Death				
1754	F	~ 1988	WILD	WILD	NAMIBIA	~ 1988	NONE		Capture	SOMALIE			
					PONTSCORF	18 Oct 1988	PS4		Transfer				
						30 Aug 1999			Death				
1834	F	13 Apr 1988	1789	1037	OUDTSHORN	13 Apr 1988			Birth	ELASTIC	CC 29		
					COLUMBUS	23 Aug 1989	892107		Transfer				
					KNOXVILLE	31 Jul 1991	1463		Loan to				
					YULEE	6 Mar 1995	950308		Loan to				
						8 Oct 1999			Death				
1906	M	23 May 1989	591	592	TOLEDO	23 May 1989	890019		Birth	DEWEY	TOL 7	0001BAC6BA	
					FT WAYNE	23 Apr 1996	UNK		Transfer				
						24 May 1999			Death				
1949	F	27 Oct 1989	458	459	TORONTO	27 Oct 1989	25067		Birth	UNITA	TOR 9		
						29 Sep 1999			Death				
2117	M	~ Apr 1988	WILD	WILD	S.AFRICAR	~ Jun 1988	NONE		Capture	SPOOKIE			
					PRET DW	24 Aug 1988	D92148		Transfer				
						25 Sep 1999			Death				
2147	F	27 Mar 1989	1277	2063	PRET DW	27 Mar 1989	D92258		Birth	ASTA	DEW 322		
					BASEL	19 Mar 1990	2-14		Transfer				
					PEAUGRES	18 Jun 1998	UNK		Loan to				
						8 Apr 1999			Death				
2148	F	27 Mar 1989	1277	2063	PRET DW	27 Mar 1989	D92259		Birth	FA137	EDEDEW 323	00-0021-5A75	
					PRET POT	15 Feb 1991	D92259		Transfer				
					BATTLE CR	15 Apr 1992	2148		Transfer				
					BIRMINGHM	28 Sep 1998	98M033		Transfer				
						26 Jan 1999			Death				
2213	F	26 Apr 1990	827	1644	EDINBURGH	26 Apr 1990	90DB21		Birth	FASIMBA	ED 3		
					BANHAM	25 Jan 1992	BZ242		Transfer				
						7 May 1999			Death				
2385	M	~ 1981	UNK	UNK	VARADAY	~ 1981	NONE		Birth	PANTHERAH			
					HOEDSPRUI	1 Jul 1989	MA011		Transfer				
						19 Apr 1999			Death				
2427	M	3 Feb 1991	1857	1856	HIMEJI	3 Feb 1991	HC76		Birth	TOKIO	HCP 55		
					TOMIOKA	19 Dec 1991	HCP55		Transfer				
						30 Oct 1999			Death				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2469	M	27 Jun 1991	458	460	TORONTO ROCKTON	27 Jun 1991 7 May 1993 14 Apr 1999	26584 930003	Birth Transfer Death	MAGNUM		TOR 15		
2521	M	~ 1991	WILD	WILD	NAMIBIA HOEDSPRUI	~ Jun 1991 27 Oct 1991 9 Sep 1999	NONE	Capture Transfer Death	GABBY				
2527	F	~ Aug 1988	WILD	WILD	S.AFRICAR BONTIZOO MADRID Z	~ Aug 1988 ~ Aug 1988 20 Feb 1991 23 Aug 1999	NONE GU3	Capture Transfer Transfer Death	HEMBRA				
2577	M	24 Oct 1991	567	522	DICKERSON NZP-WASH	24 Oct 1991 24 Oct 1992 28 Jun 1999	3470 110842	Birth Transfer Death	RUMU		DPZ 2		
2590	F	~ Jul 1988	WILD	WILD	NAMIBIA HEIN	~ Jul 1988 ~20 Jul 1988 11 Nov 1999	NONE	Capture Transfer Death	MAGGIE				
2648	F	7 Sep 1991	1985	1986	FOTA BELFAST	7 Sep 1991 5 Jun 1994 21 Apr 1999	159 904	Birth Loan to Death	MINNIE		FWP 98	00-0008-412C	
2685	F	21 Feb 1992	385	370	ST LOUIS	21 Feb 1992 8 May 1999	920218	Birth Death	ASALI		ST 30		
2737	F	5 Jun 1992	2153	531	SD-WAP	5 Jun 1992 15 Jun 1999	692325	Birth Death	SAFIRI		SD 100		
2793	M	~ 1990	WILD	2790	NAMIBIA HEIN PRET DW OUDTSHORN	18 Mar 1992 19 Mar 1992 15 May 1992 15 Mar 1997 22 Jul 1999	NONE 808 D92515 NONE	Capture Transfer Transfer Transfer Death	TOOTH			21-5050	
2917	M	9 Dec 1992	365	1902	YULEE NASHVILLZ	9 Dec 1992 4 Mar 1995 15 Aug 1999	920443 940319	Birth Loan to Death	OTIS		WO 32		
2990	F	10 Apr 1993	1274	2071	PRET DW TOKYOTAMA	10 Apr 1993 21 Jun 1996 4 Jun 1999	D92562 UNK	Birth Transfer Death	KARIN		DEW 417		
3021	F	13 Apr 1993	1774	431	FOSSILRIM FORTWORTH	13 Apr 1993 13 Jul 1994	1082 1041	Birth Loan to	TAYLOR'SS		FR 67		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
						FT WAYNE 22 Jul 1996 6 Mar 1999		NONE	Loan to Death				
3059	F	~ 1 Jun 1993	WILD	WILD	TRANSVAAL PRET DW	8 Sep 1993 8 Sep 1993 20 Jan 1999		NONE D92587	Capture Transfer Death			13A-F512	
3068	F	16 Jul 1993	1992	1989	MUNSTER WASS BR C	16 Jul 1993 1 Dec 1994 11 Jul 1999	21070		Birth Transfer Death	ARUSHA	MUN 17		
3079	F	2 Aug 1993	2118	2619	PRET DW	2 Aug 1993 2 Aug 1999	D92579		Birth Death		DEW 424	13B-C400	
3089	M	18 Aug 1993	2278	1829	OUDTSHORN DE PENHA	18 Aug 1993 ~ Oct 1994 16 Mar 1999		NONE	Birth Transfer Death	KE-KI	CC 69		
3151	M	17 Nov 1993	469	2440	WINSTON SD-WAP	17 Nov 1993 17 Nov 1993 11 Apr 1999	930172 693706		Birth Ownership Death	QUIGLEY	WS 115		
3211	F	~ 1978	WILD	WILD	NAMIBIA HEIDELBRG	~ 1980 30 Jun 1980 4 Feb 1999		NONE 900171	Capture Transfer Death				
3225	F	20 Apr 1994	2413	1856	HIMEJI	20 Apr 1994 10 Jan 1999	HC97		Birth Death	MAI	HCP 73		
3239	F	9 May 1994	2127	2356	PRET DW PRETORIA VIENNA	9 May 1994 18 Nov 1994 1 Dec 1994 1 Jan 1999	D92606 904675 M832		Birth Transfer Transfer Death	FA251	DEW 433	000013BE0D4	
3247	M	15 Jun 1994	2528	1682	SHIRAHAMA	15 Jun 1994 16 Jul 1999	315		Birth Death	VIGARE	AW 73		
3264	M	22 Jun 1994	2117	2101	PRET DW	22 Jun 1994 11 May 1999	D92610		Birth Death	ME028	DEW 437	0000199FFA	
3319	M	8 Nov 1994	469	1886	WINSTON DICELY B	8 Nov 1994 21 Jan 1995 ~ Jan 1999	940231	NONE	Birth Transfer Death	SAMBURU	WS 125		
3350	M	21 Oct 1994	2521	1608	HOEDSPRUI	21 Oct 1994 ~ 1 Jul 1999			Birth Death	BENJAMIN	HOE 58		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3384	M	~ Jan 1993	WILD	WILD	NAMIBIA PRET DW	~ Jan 1995 14 Mar 1995 9 Jun 1999	NONE MA256	Capture Transfer Death					
3402	M	31 Mar 1995	2118	2795	PRET DW SHIRAHAMA	31 Mar 1995 19 Jun 1996 1 Jan 1999	MA258 UNK	Birth Transfer Death	VAN		DEW 439		
3446	M	5 Jul 1995	2117	2091	PRET DW	5 Jul 1995 29 Apr 1999	ME032	Birth Death			DEW 457		
3523	M	25 Oct 1995	541	513	FORTWORTH FRANKLINP	25 Oct 1995 2 Oct 1997 19 Feb 1999	1234 97A046	Birth Loan to Death	CARA'S MOO	FW22		0001DB6134	
3524	M	19 Oct 1995	541	2801	FORTWORTH FRANKLINP	19 Oct 1995 2 Oct 1997 4 Jul 1999	1223 97A047	Birth Loan to Death	BUD	FWZ3		00001DA75D	
3535	M	19 Aug 1995	2117	2113	PRET DW	19 Aug 1995 31 Aug 1999	M275	Birth Death			DEW 461		
3538	M	19 Aug 1995	2117	2113	PRET DW	19 Aug 1995 25 Oct 1999	K36	Birth Death			DEW 464		
3878	M	~ Jul 1986	WILD	WILD	NAMIBIA HANSSEN	~ 1997 17 Aug 1997 14 Apr 1999	AJ199 AJ199	Capture Transfer Death	ERINDI				
3893	M	~ 1993	WILD	WILD	NAMIBIA VONSEYDLI	2 Jul 1998 2 Jul 1998 ~ Jan 1999	NONE NONE	Capture Transfer Death	CHARLIE				
4053	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999 29 Jan 1999	UNK	Birth Death			TGN8		
4054	F	8 Apr 1999	2897	3306	PHOENIX	8 Apr 1999 15 Apr 1999	8877	Birth Death			PH11		
4055	?	8 Apr 1999	2897	3306	PHOENIX	8 Apr 1999 10 Apr 1999	8878	Birth Death			PH12		
4057	?	10 Apr 1999	2914	2425	SD-WAP	10 Apr 1999 10 Apr 1999	NONE	Birth Death			SD108		
4086	F	19 Nov 1998	2275	3481	MITO CHO	19 Nov 1998 2 Jun 1999	UNK	Birth Death	TANNA	AKI14			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4107	F	20 Apr 1999	2635	3265	PRET DW	20 Apr 1999 30 Sep 1999	FA344	Birth Death			DEW530		
4124	M	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999 10 Oct 1999	MA358	Birth Death			DEW544		
4135	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999 1 Oct 1999	379	Birth Death			AW104		
4155	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death					
4156	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999 ~11 Oct 1999	UNK	Birth Death					
4157	?	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999	UNK	Birth					

## **SECTION G**

### **1999 Transfers**

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
1619	M	18 Sep 1985	848	1151	WASS BR C	18 Sep 1985		Birth	ZOEF		WAS 36		
					AMERSFOOR	16 Mar 1994	M1294	Loan to					
					WASS BR C	14 Mar 1995		Transfer					
					AMERSFOOR	18 Jan 1996	UNK	Loan to					
					WASS BR C	17 Jun 1996	UNK	Loan to					
					AUNEAU	23 Aug 1998	UNK	Loan to					
					WASS BR C	10 May 1999	UNK	Loan to					
1774	M	14 Oct 1988	848	1381	WASS BR C	14 Oct 1988		Birth	KIAN		WAS 57		
					FOSSILRIM	13 Jun 1990	1050	Transfer					
					FORTWORTH	24 Jun 1998	1450	Loan to					
					FOSSILRIM	2 Feb 1999	1050	Loan to					
1862	F	~ 1985	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	TANYA				
					FREJUS	17 Nov 1988		Transfer					
					MONTPELLI	21 Aug 1995	UNK	Loan to					
					MORT	2 May 1999	UNK	Loan to					
1902	F	10 May 1989	390	375	SD-WAP	10 May 1989	689257	Birth	ETOSHA		SD 79		
					YULEE	19 Feb 1991	91203	Transfer					
					NASHVILLE	28 Sep 1999	1330	Transfer					
1905	M	23 May 1989	591	592	TOLEDO	23 May 1989	890018	Birth	PETE		TOL 6	0001BACBDE	
					FT WAYNE	23 Apr 1996	UNK	Transfer					
					COLUMBUS	21 Jan 1999	UNK	Transfer					
1907	F	23 May 1989	591	592	TOLEDO	23 May 1989	890020	Birth	LOUIE		TOL 8		
					KNOXVILLE	24 Sep 1990	1399	Transfer					
					YULEE	6 Mar 1995	950309	Loan to					
					NASHVILLE	25 Oct 1999	1410	Loan to					
1936	M	24 Sep 1989	MULT	1874	NEUWIEDRH	24 Sep 1989	NRZ10	Birth	BARUFU		NEU 10		
					STUTTGART	20 Feb 1992	4605	Loan to					
					HERBERSTN	17 Jun 1996	UNK	Transfer					
					WASS BR C	5 Jul 1997	UNK	Transfer					
					DORTMUND	24 Mar 1999	UNK	Loan to					
1962	M	24 Dec 1989	299	416	COLUMBUS	24 Dec 1989	892138	Birth	YATIMA		COL 85	00-0021-652A	
					MANHATTAN	17 Dec 1992	920017	Loan to					
					BATTLE CR	22 Jan 1999	98M57	Loan to					
2154	F	2 Jun 1989	983	2031	PRET DW	2 Jun 1989	D92086	Birth	FE008		DEW 329	25-C951	
					PRET POT	27 May 1993	P93043	Transfer					
					PRETORIA	2 Mar 1995		Transfer					
					PRET POT	12 May 1995		Transfer					
					PRETORIA	11 Aug 1995	EE008	Loan to					



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
						PRET POT	25 Mar 1997	NONE	Loan to				
						HOEDSPRUI	14 Feb 1999	UNK	Loan to				
2188	F	20 Jan 1990	1759	1686	FOTA	20 Jan 1990	139	Birth	CHARM	FWP 57		7F7F347662	
					TWYCROSS	20 Feb 1991	805	Loan to					
					EDINBURGH	26 Jan 1992	92AA02	Loan to					
					TWYCROSS	22 Mar 1994	805	Loan to					
					DALTON-IN	14 May 1997	UNK	Loan to					
					WHIPSNADE	5 Sep 1999	UNK	Loan to					
2190	F	20 Jan 1990	1759	1686	FOTA	20 Jan 1990	80	Birth	FWP 80	FWP 59		7F7F351330	
					TWYCROSS	20 Feb 1991	804	Loan to					
					MARWELL	1 Mar 1994	2518	Loan to					
					TWYCROSS	20 Jul 1994	804	Loan to					
					DALTON-IN	14 May 1997	UNK	Loan to					
					WHIPSNADE	5 Sep 1999	UNK	Loan to					
2214	F	26 Apr 1990	827	1644	EDINBURGH	26 Apr 1990	90DB22	Birth	UMKHOSI	ED 4			
					BANHAM	25 Jan 1992	BZ241	Transfer					
					KESSINGL	20 Sep 1999	UNK	Transfer					
					BANHAM	20 Oct 1999	BZ241	Loan to					
2220	M	3 May 1990	357	508	YULEE	3 May 1990	90311	Birth	RUKA	WO 17			
					DICKERSON	8 Nov 1991	3472	Loan to					
						15 May 1992	3472	Transfer					
					ST LOUIS	6 Oct 1999	UNK	Loan to					
2248	M	28 Nov 1990	1604	1605	KREFELD	28 Nov 1990	454	Birth	BEBE	KR 12		00002066A9	
					EBERSWALD	8 Oct 1991	385	Loan to					
					ROSTOCK	17 Dec 1999	UNK	Loan to					
2347	M	21 Aug 1990	1873	1875	NEUWIEDRH	21 Aug 1990	923777	Birth		NRZ 13			
					HEIDELBRG	4 Aug 1992	923777	Loan to					
					NEUWIED	20 Jul 1999	923777	Loan to					
2355	M	5 Mar 1990	2030	2071	PRET DW	5 Mar 1990	D92293	Birth	MA157	DEW 341			
					WHIPSNADE	3 Jan 1991	L1668	Transfer					
					MARWELL	18 Aug 1998	UNK	Transfer					
					WHIPSNADE	13 Nov 1998	L1668	Loan to					
					MARWELL	21 Jan 1999	UNK	Loan to					
2363	F	14 Apr 1990	2030	1278	PRET DW	14 Apr 1990	D92092	Birth	FE010	DEW 349		20-3EE2	
					PRET POT	27 May 1993	P93046	Transfer					
					PRETORIA	23 Nov 1993	904138	Transfer					
					PRET POT	23 Feb 1994	P93046	Transfer					
					HOEDSPRUI	16 Feb 1999	UNK	Loan to					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2365	M	21 Apr 1990	1277	2063	PRET DW	21 Apr 1990	D92295	Birth	MA159		DEW 351	20-3AEE	
					PRET POT	14 May 1993	P93065	Transfer					
					HOEDSPRUI	16 Feb 1999	UNK	Loan to					
2475	M	29 Mar 1991	1274	2028	PRET DW	29 Mar 1991	D92311	Birth	MA193		DEW 360	00-021-3258	
					PRET POT	27 May 1993	P93082	Transfer					
					PRETORIA	16 Oct 1996	NONE	Loan to					
					PRET POT	8 Jan 1997	NONE	Loan to					
					HOEDSPRUI	12 Feb 1999	UNK	Loan to					
2485	M	18 Apr 1991	2089	2091	PRET DW	18 Apr 1991	D92107	Birth	ME016		DEW 370	00-0020-2B86	
					PRET POT	27 May 1993	P93048	Transfer					
					PRETORIA	15 Feb 1999	UNK	Loan to					
2510	M	7 May 1991	1466	1470	DVURKRALV	7 May 1991	DK15	Birth	NAIRO		VC 15		
					WASS BR C	14 Dec 1994		Transfer					
					DORTMUND	4 Jun 1997	NONE	Transfer					
						14 Jun 1997	NONE	Loan to					
					WASS BR C	24 Mar 1999	UNK	Loan to					
2511	F	7 May 1991	1466	1470	DVURKRALV	7 May 1991	DK16	Birth	ARUA		VC 16		
					DORTMUND	17 Mar 1993	052007	Transfer					
					WASS BR C	1 Oct 1998	UNK	Transfer					
					DORTMUND	24 Mar 1999	UNK	Loan to					
2556	F	22 Jun 1991	2518	2527	MADRID Z	22 Jun 1991	GU8	Birth	WINNY		ZM 3		
					BARCELONA	25 Oct 1995	UNK	Loan to					
					MADRID Z	30 Oct 1997	NONE	Loan to					
					SELWO	21 Oct 1999	UNK	Loan to					
2633	F	~ Jul 1990	WILD	WILD	S.AFRICAR	15 Apr 1991	NONE	Capture	FA174		00-0024-DB32		
					PRET POT	23 Apr 1991	P93069	Transfer					
					HOEDSPRUI	15 Feb 1999	UNK	Loan to					
2634	F	~ Jul 1990	WILD	WILD	S.AFRICA	15 Apr 1991	NONE	Capture	FA173		00-001C-B9CC		
					PRET POT	23 Apr 1991	P93068	Transfer					
					HOEDSPRUI	15 Feb 1999	UNK	Loan to					
2636	M	~ Jul 1991	WILD	WILD	NAMIBIA	3 Aug 1991	NONE	Capture			00-0024-C9C3		
					PRET POT	5 Oct 1991	MA184	Transfer					
					HOEDSPRUI	15 Feb 1999	UNK	Loan to					
2637	M	~ Jul 1991	WILD	WILD	NAMIBIA	3 Aug 1991	NONE	Capture	MA182		00-0021-36BB		
					PRET POT	5 Oct 1991	MA182	Transfer					
					HOEDSPRUI	15 Feb 1999	UNK	Loan to					
2638	F	~ Jul 1991	WILD	WILD	NAMIBIA	3 Aug 1991	NONE	Capture			00-001F-DAA4		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
						PRET POT 5 Oct 1991	FA183		Transfer				
						HOEDSPRUI 16 Feb 1999	UNK		Loan to				
2655	M	8 Oct 1991	584		405	YULEE 8 Oct 1991	91333		Birth	HALLA	WO 28		
						NASHVILLE 28 Sep 1999	1332		Transfer				
2807	M	3 Aug 1992	1520		1736	WHIPSDADE 3 Aug 1992	L1888		Birth	MASAI	WH 132	0000218D67	
						EDINBURGH 13 Jun 1997	NONE		Transfer				
						BANHAM 9 Jun 1999	UNK		Loan to				
						KESSINGL 28 Sep 1999	UNK		Loan to				
2814	M	~ Mar 1992	WILD		WILD	S.AFRICAR ~ 1 Apr 1992	NONE		Capture	MA199		001B-F007	
						PRET POT 12 Apr 1992	P93084		Transfer				
						HOEDSPRUI 12 Feb 1999	UNK		Loan to				
2816	F	~ Mar 1992	WILD		WILD	S.AFRICAR ~ 1 Apr 1992	NONE		Capture	FA201		001B-C94B	
						PRET POT 12 Apr 1992	P93085		Transfer				
						HOEDSPRUI 16 Feb 1999	UNK		Loan to				
2918	M	9 Dec 1992	365		1902	YULEE 9 Dec 1992	920444		Birth	IVAN	WO 33		
						NASHVILLZ 4 Mar 1995	940320		Loan to				
						YULEE 29 Sep 1999	940320		Loan to				
2920	F	9 Dec 1992	365		1902	YULEE 9 Dec 1992	920446		Birth	MARIAH	WO 35		
						NASHVILLE 28 Sep 1999	1331		Transfer				
3093	M	19 Aug 1993	2517		2527	MADRID Z 19 Aug 1993	GU30		Birth	NADA	ZM 25		
						LISBON 12 Nov 1993	2815		Transfer				
						BRAVA 3 Feb 1999	UNK		Transfer				
3287	M	23 Sep 1994	2268		2264	TSAOBIS 23 Sep 1994			Birth	LAMU	TLP 3		
						PRET DW 28 Sep 1996	MB302		Transfer				
						MOSCOW 4 Mar 1999	UNK		Transfer				
3425	F	9 May 1995	2510		1620	WASS BR C 9 May 1995			Birth	XENA			
						COLCHESTR 26 Jun 1999	UNK		Loan to				
3452	F	~ 1993	WILD		WILD	NAMIBIA ~ Aug 1994	NONE		Capture				
						HIMEJI 23 Sep 1994	HC103		Transfer				
						SHIRAHAMA 21 Dec 1999	UNK		Loan to				
3500	F	28 Sep 1995	3102		2433	PEAUGRES 28 Sep 1995	C79		Birth	AGATHE	SDP6	244A07	
						ARNHEM 19 May 1999	5939		Transfer				
3543	F	25 Sep 1995	2250		2857	ARNHEM 25 Sep 1995	5189		Birth		B215		
						PEAUGRES 27 May 1999	UNK		Transfer				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3555	M	~ Dec 1995	2161	1011	HOEDSPRUI ADELAIDE	~ Dec 1995 24 Apr 1999	UNK	UNK	Birth Transfer		HOE 68		
3559	F	2 Jan 1996	2521	1423	HOEDSPRUI ADELAIDE	2 Jan 1996 24 Apr 1999	UNK	UNK	Birth Transfer		HOE 72		
3563	M	13 Jan 1996	1992	1989	MUNSTER BELFAST	13 Jan 1996 15 Apr 1999	21487 3524		Birth Transfer	KARSAI	MUN 22	0124C10C	
3582	M	15 Apr 1996	1755	1463	LA PALMYR MADRID Z SELWO	15 Apr 1996 29 Jan 1997 21 Oct 1999	1939 UNK UNK		Birth Transfer Loan to		LAP 17	00222AE8	
3589	F	13 Apr 1996	2118	2480	PRET DW MOSCOW	13 Apr 1996 4 Mar 1999	FA 285 UNK		Birth Transfer		DEW 469		
3590	F	21 Apr 1996	2697	1606	HOEDSPRUI ADELAIDE	21 Apr 1996 24 Apr 1999	UNK	UNK	Birth Transfer		HOE 75		
3678	F	6 Dec 1996	2220	522	DICKERSON EVANSVILLE	6 Dec 1996 9 Feb 1999	4599 199003		Birth Transfer		DPZ18		
3708	M	15 Sep 1996	2705	2553	HOEDSPRUI ADELAIDE	15 Sep 1996 24 Apr 1999	UNK	UNK	Birth Transfer		HOE84		
3709	M	15 Sep 1996	2705	2553	HOEDSPRUI ADELAIDE	15 Sep 1996 24 Apr 1999	UNK	UNK	Birth Transfer		HOE85		
3710	M	15 Sep 1996	2705	2553	HOEDSPRUI ADELAIDE	15 Sep 1996 24 Apr 1999	UNK	UNK	Birth Transfer		HOE86		
3715	M	18 Sep 1996	2385	2401	HOEDSPRUI ADELAIDE	18 Sep 1996 24 Apr 1999	UNK	UNK	Birth Transfer		HOE91		
3722	M	18 Dec 1996	2701	2461	BELFAST LA PALMYR	18 Dec 1996 12 Jan 1999	2568 UNK		Birth Transfer		B265	1BB B49F	
3729	F	6 Jan 1997	3005	2706	HOEDSPRUI ADELAIDE	6 Jan 1997 24 Apr 1999	UNK	UNK	Birth Transfer		HOE96		
3783	F	13 Jun 1996	WILD	WILD	UNKNOWN PRET POT OUDTSHORN	~ Jul 1996 13 Jul 1997 23 Jul 1999	UNK	P93422 UNK	Capture Transfer Loan to				
3784	F	1 Jun 1996	WILD	WILD	UNKNOWN PRET POT OUDTSHORN	~ Jun 1996 13 Jul 1997 23 Jul 1999	UNK	P93423 UNK	Capture Transfer Loan to				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3793	F	7 Aug 1997	3382	3332	HOEDSPRUI LISBON BRAVA	7 Aug 1997 17 Sep 1998 18 Jan 1999	UNK 6355 UNK	Birth Transfer Transfer			HOE110	000143E335T	
3795	F	7 Aug 1997	3382	3332	HOEDSPRUI LISBON BRAVA	7 Aug 1997 17 Sep 1998 18 Jan 1999	UNK 6357 UNK	Birth Transfer Transfer			HOE112	000143E6ATT	
3796	M	2 Sep 1997	2552	1423	HOEDSPRUI LISBON BRAVA	2 Sep 1997 17 Sep 1998 18 Jan 1999	UNK 6353 UNK	Birth Transfer Transfer			HOE113	000143AD4DT	
3895	M	15 May 1998	UNK	2195	AMERSFOOR WASS BR C	15 May 1998 29 Apr 1999	M1978 UNK	Birth Loan to	IDOLE		AM34		
3896	M	15 May 1998	UNK	2195	AMERSFOOR WASS BR C	15 May 1998 29 Apr 1999	M1979 UNK	Birth Loan to	INONGE		AM35		
3898	F	15 May 1998	UNK	2195	AMERSFOOR WASS BR C	15 May 1998 29 Nov 1999	M1981 UNK	Birth Transfer	IDHUNA		AM37		
3900	M	16 Oct 1997	1936	2256	WASS BR C NEUWIED	16 Oct 1997 15 Jan 1999	UNK UNK	Birth Transfer	GHALI		WAS 119		
3901	M	16 Oct 1997	1936	2256	WASS BR C HODENHAGN	16 Oct 1997 4 May 1999	UNK UNK	Birth Transfer	GUSII		WAS 120		
3903	F	16 Oct 1997	1936	2256	WASS BR C NEUWIED	16 Oct 1997 15 Jan 1999	UNK UNK	Birth Transfer	GUMBA		WAS 122		
3921	M	14 May 1998	1936	3068	WASS BR C ANEAU	14 May 1998 11 May 1999	UNK UNK	Birth Transfer	HAJAMBO		WAS125		
3922	F	14 May 1998	1936	3068	WASS BR C NEUWIED	14 May 1998 28 May 1999	UNK UNK	Birth Transfer	HAVITA		WAS126		
3923	F	14 May 1998	1936	3068	WASS BR C AMERSFOOR	14 May 1998 26 May 1999	UNK UNK	Birth Transfer	HIMA		WAS127		
3924	M	19 May 1998	1936	3121	WASS BR C ANEAU	19 May 1998 11 May 1999	UNK UNK	Birth Transfer	JIWAN		WAS128		
3925	M	19 May 1998	1936	3121	WASS BR C REYNOU	19 May 1998 14 Apr 1999	UNK UNK	Birth Transfer	JUCAR		WAS129		
3926	F	19 May 1998	1936	3121	WASS BR C	19 May 1998	UNK	Birth	JEMAJA		WAS130		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					AMERSFOOR	26 May 1999		UNK	Transfer				
3927	F	19 May 1998	1936	3121	WASS BR C NEUWIED	19 May 1998 28 May 1999		UNK UNK	Birth Transfer	JESSI	WAS131		
3928	M	22 May 1998	3484	2503	WASS BR C NEUWIED	22 May 1998 28 May 1999		UNK UNK	Birth Transfer	KUMI	WAS132		
3929	F	22 May 1998	3484	2503	WASS BR C ARNEAU	22 May 1998 11 May 1999		UN UNK	Birth Transfer	KAYLEE	WAS133		
3930	F	22 May 1998	3484	2503	WASS BR C REYNOU	22 May 1998 14 Apr 1999		UNK UNK	Birth Transfer	KENDA	WAS134		
3932	M	11 Feb 1998	3402	3274	SHIRAHAMA HIMEJI	11 Feb 1998 22 Dec 1999		359 359	Birth Loan to	KAHRIS	AW87		
3947	F	15 Apr 1998	2705	2553	HOEDSPRUI KUALA LUM	15 Apr 1998 1 Nov 1999		UNK UNK	Birth Transfer		HOE129		
3953	M	3 Dec 1998	2552	2401	HOEDSPRUI KUALA LUM	3 Dec 1998 1 Nov 1999		UNK UNK	Birth Transfer	OGIE	HOE130		
3963	F	7 Apr 1998	2635	2989	PRET DW PERTH	7 Apr 1998 27 Jan 1999	FA 311	UNK	Birth Transfer		DEW491		
3988	M	17 Oct 1998	2117	2480	PRET DW METROZOO	17 Oct 1998 14 May 1999	K44	UNK	Birth Transfer		DEW514		
4005	M	16 Oct 1998	1936	3068	WASS BR C NEUWIED	16 Oct 1998 30 Oct 1999		UNK UNK	Birth Transfer	LAIOS	WAS135		
4006	M	16 Oct 1998	1936	3068	WASS BR C CINCINNAT	16 Oct 1998 20 Oct 1999		UNK UNK	Birth Transfer	LEXUS	WAS136		
4007	F	16 Oct 1998	1936	3068	WASS BR C OLOMOUC	16 Oct 1998 20 Oct 1999		UNK UNK	Birth Transfer	LORI	WAS137		
4008	F	16 Oct 1998	1936	3068	WASS BR C NEUWIED	16 Oct 1998 30 Oct 1999		UNK UNK	Birth Transfer	LULU	WAS138		
4029	M	~ Apr 1998	WILD	WILD	NAMIBIA CCF SCHAEFFER	28 Oct 1998 5 Nov 1998 14 Jul 1999	1129 1129 1129		Capture Transfer Loan to			00014395ABT	
4030	M	~ Apr 1998	WILD	WILD	NAMIBIA CCF	28 Oct 1998 5 Nov 1998	1131 1131		Capture Transfer			0000F56251T	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
						SCHAEFFER	14 Jul 1999	1131	Loan to				
4031	F	~ Apr 1998	WILD	WILD	NAMIBIA	28 Oct 1998	1130	Capture				0001447BECT	
					CCF	5 Nov 1998	1130	Transfer					
					SCHMIDT	14 May 1999	1130	Loan to					
4032	F	~ Apr 1998	WILD	WILD	NAMIBIA	28 Oct 1998	1132	Capture				000143D5D1T	
					CCF	5 Nov 1998	1132	Transfer					
					SCHMIDT	14 May 1999	1132	Loan to					
4033	M	~ 1995	WILD	WILD	NAMIBIA	~ Jul 1998	1149	Capture					
					CCF	11 Dec 1998	1149	Transfer					
					SCHMIDT	14 May 1999	1149	Loan to					
4034	M	~ 1995	WILD	WILD	NAMIBIA	~ Jul 1998	1150	Capture					
					CCF	11 Dec 1998	1150	Transfer					
					SCHMIDT	14 May 1999	1150	Loan to					
4035	M	~ Jul 1998	WILD	WILD	NAMIBIA	28 Dec 1998	1151	Capture					
					CCF	3 Jan 1999	1151	Transfer					
					SCHAEFFER	14 Jul 1999	1151	Loan to					
4036	M	~ Jul 1998	WILD	WILD	NAMIBIA	28 Dec 1998	1152	Capture					
					CCF	3 Jan 1999	1152	Transfer					
					SCHAEFFER	14 Jul 1999	1152	Loan to					
4037	M	~ May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1161	Capture				00014486CCT	
					CCF	18 Feb 1999	1161	Transfer					
					SCHAEFFER	14 Jul 1999	1161	Loan to					
4038	F	~ May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1160	Capture				00014479A9T	
					CCF	18 Feb 1999	1160	Transfer					
					SCHMIT	14 May 1999	1160	Loan to					
4039	F	~ 1 May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1159	Capture				0001432C3AT	
					CCF	18 Feb 1999	1159	Transfer					
					SCHMIDT	14 May 1999	1159	Loan to					
4043	F	15 Feb 1998	WILD	WILD	NAMIBIA	~ Oct 1999	NONE	Capture	ALYS				
					HANSSSEN	14 Oct 1999	AJ295	Transfer					
4044	M	15 Aug 1998	WILD	WILD	NAMIBIA	~ May 1999	NONE	Capture	MEASLES				
					HANSSSEN	1 Jun 1999	AJ1/99	Transfer					
4045	M	~ Mar 1998	UNK	UNK	AL AIN	~ 1999	UNK	Transfer					
4046	F	~ Mar 1998	UNK	UNK	AL AIN	~ 1999	UNK	Transfer					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4047	M	22 Mar 1998	1755	2850	LA PALMYR PONTSCORF	22 Mar 1998 14 Jan 1999	2301 UNK	Birth Loan to			ZLP25		
4048	M	22 Mar 1998	1755	2850	LA PALMYR WASS BR C	22 Mar 1998 16 Apr 1999	2303 UNK	Birth Loan to			ZLP26		
4049	M	22 Mar 1998	1755	2850	LA PALMYR HODENHAGN	22 Mar 1998 4 Jun 1999	2304 UNK	Birth Loan to			ZLP27		
4065	F	22 Mar 1998	1755	2850	LA PALMYR PONTSCORF	22 Mar 1998 14 Jan 1999	2302 UNK	Birth Loan to			ZLP29		
4083	F	~ Apr 1999	WILD	WILD	NAMIBIA HANSSEN	~ Oct 1999 ~ Oct 1999	AJ2999 AJ2999	Capture Transfer	RAFIKI				
4084	M	~ May 1999	WILD	WILD	NAMIBIA HANSSEN	~ Jul 1999 ~ Jul 1999	AJ2199 AJ2199	Capture Transfer	TARKA				
4085	M	~ Aug 1998	WILD	WILD	NAMIBIA HANSSEN	~ Jun 1999 1 Jun 1999	AJ1299 AJ1299	Capture Transfer	KNERSES				
4088	F	1 Oct 1998	WILD	WILD	BOTSWANA PRET DW	~ Jan 1999 29 Sep 1999	UNK FB357	Capture Transfer					
4089	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA339 UNK	Birth Transfer			DEW527		
4090	F	~ Nov 1998	WILD	WILD	SOMALIA ABU DUBAI HOEDSPRUI	~ 1999 ~ 1999 30 Mar 1999	UNK UNK UNK	Capture Transfer Transfer	RONELIE				
4093	M	3 Dec 1998	2552	3950	HOEDSPRUI GIAZZA	3 Dec 1998 ~ 1 Jun 1999	UNK UNK	Birth Transfer	PAMPOENTJIHOE149				
4100	M	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA340 UNK	Birth Transfer			DEW522		
4101	F	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA341 UNK	Birth Transfer			DEW523		
4102	M	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA336 UNK	Birth Transfer			DEW524		
4104	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA338 UNK	Birth Transfer			DEW526		



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4105	M	20 Apr 1999	2635	3265	PRET DW CHINA	20 Apr 1999 3 Dec 1999	MA342 UNK	Birth Transfer			DEW528		
4127	M	~ Sep 1998	WILD	WILD	NAMIBIA MEYER CCF	~ Dec 1998 ~ Dec 1998 11 Nov 1999	NONE NONE 1185	Capture Transfer Transfer	GUY				
4128	M	~ Mar 1997	WILD	WILD	NAMIBIA UNKNOWN STEYN CCF	~ Dec 1997 ~ Dec 1997 ~ May 1998 27 Sep 1999	NONE NONE NONE 1178	Capture Transfer Transfer Transfer	JEFF			000IC63AEET	
4129	M	~ Mar 1997	WILD	WILD	NAMIBIA UNKNOWN STEYN CCF	~ Dec 1997 ~ Dec 1997 ~ May 1998 27 Sep 1999	UNK NONE NONE 1179	Capture Transfer Transfer Transfer	MATTI			000IBEA6OET	
4130	M	~ Mar 1997	WILD	WILD	NAMIBIA UNKNOWN STEYN CCF	~ Dec 1997 ~ Dec 1997 ~ May 1998 27 Sep 1999	UNK NONE NONE 1180	Capture Transfer Transfer Transfer	DON			000IC03ES2T	
4131	M	~ 1995	WILD	WILD	NAMIBIA SCHMIDT	~ Jan 1999 ~ Jan 1999	NONE NONE	Capture Transfer					
4141	F	18 Oct 1999	2204	3460	LUTHER BATONROUG	18 Oct 1999 9 Nov 1999	999921 UNK	Birth Transfer			OAK3		

## **SECTION H**

**Additional Comments about Individual Cheetahs  
By  
Studbook Number**

SB #	Type of Comment		Comment
458	General Comment	N	Caught in Okahandja area
460	Cause of Death	NX	Renal failure and aneamia
584	Cause of Death	NX	Euthanased, kidney disease
585	Cause of Death	NX	Euthanased
595	General Comment	N	King cheetah – heterozygous
1269	Cause of Death	NX	Euthanased - cancer of stomach and intestines
1395	Cause of Death	NX	Nephrosis – glomerulo sclerosis
1423	Cause of Death	NX	Old age
1464	Cause of Death	NX	Nephrosis, hepatitis, lipid tumour of spleen
1466	Cause of Death	NX	Nephrosis, hepatitis, lipid tumour of spleen
1470	Cause of Death	NX	Old age
1471	Cause of Death	NX	Cancer of the stomach
1574	Cause of Death	NX	Paralysis
1606	Cause of Death	NX	Old age
1620	Cause of Death	NX	Euthanased, kidney failure and old age
1723	Cause of Death	NX	Renal failure
1740	Cause of Death	NX	Suffocated on a piece of meat
1834	Cause of Death	NX	Euthanased
1907	General Comment	N	AI'd in Nov with frozen Namibian sperm, pregnancy TBD in Dec
1908	General Comment	G	Handreared
1949	Cause of Death	NX	Suffocated on a piece of meat
1958	General Comment	G	Neutered
1959	General Comment	G	Neutered
1990	General Comment	G	Munster 20155
1992	General Comment	G	Munster 20160
2117	Cause of Death	NX	Died from injuries inflicted by another cheetah
2124	General Comment	N	AI'd in Nov with frozen Namibian sperm, pregnancy TBD in Dec
2141	General Comment	N	King cheetah
2147	Cause of Death	NX	Intestine perforated by rabbit bone
2159	General Comment	N	Handreared
2160	General Comment	N	Handreared
2163	General Comment	N	King gene
2223	General Comment	N	Contraceptive Implant
2252	General Comment	N	Handreared
2369	General Comment	C	Donated to Fontaine by Whipsnade
2385	Cause of Death	NX	Snake bite
2399	General Comment	N	King cheetah
2400	General Comment	N	King cheetah

SB #	Type of Comment		Comment
2427	Cause of Death	NX	Chronic renal failure
2469	Cause of Death	NX	Euthanased due to injury from fight with Chester
2472	General Comment	N	King gene – heterozygous
2481	General Comment	N	King gene
2486	General Comment	N	King cheetah
2487	General Comment	N	King gene
2489	General Comment	N	King gene
2495	General Comment	N	King gene
2521	Cause of Death	NX	Snake bite
2536	General Comment	N	Only litter in studbook born this date was in Glasgow
2577	Cause of Death	NX	Chronic renal failure
2588	General Comment	N	Neutered, caught at Otjiwarongo district
2590	Cause of Death	NX	Old age
2591	General Comment	N	Neutered, caught at Otjiwarongo district
2622	General Comment	N	Caught at Farm Omambonde; Uchab District
2629	General Comment	N	Caught at Warlen Court, Otjiwarongo, Grootfontaine District
2635	General Comment	N	Caught at Farm Kosis, Mariental District
2636	General Comment	N	Caught at Farm Kosis, Mariental District
2637	General Comment	N	Caught at Farm Kosis, Mariental District
2638	General Comment	N	Caught at Farm Kosis, Mariental District
2729	General Comment	N	Caught at Otjiwarongo district
2729	General Comment	N	Contraceptive implant
2730	General Comment	N	Caught at Windhoek district - Waldeck
2737	Cause of Death	NX	Anaesthesia/restraint – respiratory trauma
2775	General Comment	N	King cheetah
2790	General Comment	N	Caught at Hochfeld area – has blind eye
2794	General Comment	N	Caught in Hochfeld area
2802	General Comment	N	Cryptorchid
2822	General Comment	N	Caught at border - Gobabis/Botswana
2823	General Comment	N	Caught at border - Gobabis/Botswana, Buitepos
2824	General Comment	N	Caught at border - Gobabis/Botswana
2826	General Comment	N	Caught at Witvlei area
2827	General Comment	N	Caught at Witvlei area
2828	General Comment	N	Caught at Aris area
2830	General Comment	N	Caught at Gobabis area
2830	General Comment	N	Contraceptive implant
2838	General Comment	N	Caught at Otjiwarongo dist #322
2839	General Comment	N	Caught at Otjiwarongo district #73
2840	General Comment	N	Caught at Otjiwarongo dist #73

SB #	Type of Comment		Comment
2873	General Comment	N	Caught at Otavi dist #397
2874	General Comment	N	Caught at Otavi dist #397
2893	General Comment	N	AI birth
2894	General Comment	N	AI birth
2895	General Comment	N	AI birth
2897	General Comment	N	AI birth
2898	General Comment	N	AI birth
2933	Cause of Death	NX	Anthrax
2935	Cause of Death	NX	Anthrax
2936	Cause of Death	NX	Anthrax
2937	Cause of Death	NX	Anthrax
2938	Cause of Death	NX	Anthrax
2939	Cause of Death	NX	Anthrax
2956	General Comment	N	Caught at Dedig farm, #853
2958	General Comment	N	Caught at Kubish, #844
2959	General Comment	N	Caught at Kubish, #845
2960	General Comment	N	Caught at Kubish, #846
2962	General Comment	N	King cheetah
2964	General Comment	N	Caught at Dedig, #852
2965	General Comment	N	Caught at Dedig, #849
2966	General Comment	N	Caught at Dedig, #850
2967	General Comment	N	Caught at Dedig, #851
2990	Cause of Death	NX	Gastric ulcer and kidney trouble
3003	General Comment	N	AI birth
3004	General Comment	N	AI birth
3039	General Comment	N	Caught from Khomas Hochland area
3041	General Comment	N	Caught in Omararu area
3042	General Comment	N	Caught in Khomas Hochland area
3043	General Comment	N	Caught in Khomas Hochland area
3048	General Comment	N	Caught in Okaputa – Otjiwarango area
3057	General Comment	N	Donation from TPA N.C.
3058	General Comment	N	Donation from TPA N.C.
3059	Cause of Death	NX	Gastritis
3065	General Comment	N	Sold to Dvurkralv
3068	Cause of Death	NX	Heart defect
3076	General Comment	N	Sold to Tokyotama
3079	Cause of Death	NX	Infection
3096	General Comment	N	Caught in Garrisa (No. Kenya)
3124	General Comment	N	Found by National Conservation in animal snare. E. Transvaal

SB #	Type of Comment		Comment
3153	General Comment	N	Born via breeding loan
3156	General Comment	N	Returned to Fota
3174	General Comment	N	Sold to Maia
3176	General Comment	N	Caught in Omararu area
3177	General Comment	N	Caught in Omararu area
3178	General Comment	N	Caught in Omararu area
3187	General Comment	N	Caught in Dordobis area on St Elmo
3188	General Comment	N	Caught in Dordobis area on St Elmo
3189	General Comment	N	Caught in Dordabis area on St Elmo
3190	General Comment	N	Caught in Dordabis area on St Elmo
3191	General Comment	N	Caught in Steinhausen area
3193	General Comment	N	Born shortly after capture of dam in St. Elmo, Dordabis area
3194	General Comment	N	Born shortly after capture of dam in St. Elmo, Dordabis area
3200	General Comment	N	Wild caught Dordabis Area on St Elmo
3201	General Comment	N	Caught at Dordabis area on St Elmo
3202	General Comment	N	Caught in Dordabis area on St Elmo
3203	General Comment	N	Caught in Dordabis area on St Elmo
3206	General Comment	N	Caught in Kammanjab area on Nel's farm
3208	General Comment	N	Caught in Kammanjab area on Nel's farm
3209	General Comment	N	Caught in Kammanjab area on Nel's farm
3212	General Comment	N	Caught on Sendeling farm, Kammanjab
3223	General Comment	N	Handreared
3225	Cause of Death	NX	Renal failure
3255	General Comment	N	Wild caught in Dordabis area
3256	General Comment	N	Wild caught in Dordabis area
3264	Cause of Death	NX	Cryptococcis
3332	General Comment	N	Caught in Gobabis
3333	General Comment	N	Caught N TVL
3335	General Comment	N	Caught N TVL
3336	General Comment	N	Caught E TVL
3337	General Comment	N	Caught E TVL
3355	General Comment	N	Caught in Gobabis
3356	General Comment	N	Caught in Gobabis
3357	General Comment	N	Caught in Gobabis
3358	General Comment	N	Caught in Gobabis
3360	General Comment	N	Caught Steinhausen\Hochsfeld
3361	General Comment	N	Caught in Omaruru
3361	General Comment	N	Corrie Schoeman - details not known
3362	General Comment	N	Caught in Omaruru

SB #	Type of Comment		Comment
3363	General Comment	N	Caught in Omaruru
3379	General Comment	N	Caught in Garissa area
3382	General Comment	N	From Eastern Transvaal
3384	Cause of Death	NX	Gastritis, renal failure
3385	General Comment	N	From Pretoria
3391	General Comment	N	From Grootfontein
3402	Cause of Death	NX	Shock
3412	General Comment	N	King cheetah
3420	General Comment	N	King cheetah
3422	General Comment	N	King cheetah
3447	General Comment	N	King cheetah
3457	General Comment	N	Caught in Hochfeld 1 of 5 cubs
3530	General Comment	N	AI birth with frozen Namibian sperm
3535	Cause of Death	NX	Renal Failure
3536	General Comment	N	King cheetah
3537	General Comment	N	King cheetah
3538	Cause of Death	NX	Gastritis
3574	General Comment	N	Caught in Okahandja area
3575	General Comment	N	Caught in Okahandja area
3594	General Comment	N	King cheetah
3595	General Comment	N	King cheetah
3615	General Comment	N	Caught in Outjo area
3617	General Comment	N	Caught in Outjo area
3637	General Comment	N	Escaped
3642	General Comment	N	Captured in Transvaal, South Africa
3643	General Comment	N	Received from H.Meiburg
3644	General Comment	N	Received from H.Meiburg
3645	General Comment	N	Received from Mrs. Wiese
3646	General Comment	N	Received from Mrs. Barnard, hand-reared from 5 weeks
3656	General Comment	N	Received from Zwan, Hochveld
3660	General Comment	N	Received from Dorka, Omitara
3684	General Comment	N	Caught in Omaruru region, Namibia
3684	General Comment	N	CCF ID AJU1034
3694	General Comment	N	Hanssen received cheetah
3700	General Comment	N	Caught in Northern Transvaal in South Africa
3702	General Comment	N	Caught in Omaruru region, Namibia
3702	General Comment	N	CCF ID AJU1032
3704	General Comment	N	Caught in Omaruru region, Namibia
3704	General Comment	N	CCF ID AJU1031

SB #	Type of Comment		Comment
3719	General Comment	N	Caught Northern Province, South Africa
3720	General Comment	N	Caught in the Transvaal, South Africa
3761	General Comment	C	Transferred to Disney's Animal Kingdom
3767	General Comment	N	King cheetah
3768	General Comment	C	Released Tswala Game reserve
3768	General Comment	N	King cheetah
3769	General Comment	C	Released Tswala Game Reserve, South Africa
3769	General Comment	N	King cheetah
3770	General Comment	N	King cheetah
3770	General Comment	N	King cheetah
3777	General Comment	C	Released Thornybush Game Reserve, South Africa
3778	General Comment	C	Released Tswala Game Reserve, South Africa
3853	General Comment	N	CCF Records - AJU1096
3853	General Comment	N	Parent raised to four months - found abandoned - Okahandja
3854	General Comment	N	CCF Records - AJU 1097
3854	General Comment	N	Parent raised to four months - found abandoned - Okahandja
3855	General Comment	N	CCF Records - AJU1071
3855	General Comment	N	Caught in gin trap - knee ligament replacement operation
3855	General Comment	N	Caught in Outjo District
3856	General Comment	N	CCF Records - AJU1072
3856	General Comment	N	Caught in gin trap - broken left hind foot
3856	General Comment	N	Caught in Outjo District
3861	General Comment	N	CCF Records - AJU1042
3877	General Comment	N	Received from Anja Meyer
3878	Cause of Death	NX	Euthanased, compound fracture - front leg
3879	General Comment	N	Ministry of Environment and Tourism confiscated from Mr. Potgiete
3880	General Comment	N	Received from Mr. Steckel
3881	General Comment	N	Received from Mr. Witte
3881	General Comment	N	Parent raised until ten months
3882	General Comment	N	Received from Boete Stoermer
3883	General Comment	N	Received from Mr. Steckel
3883	General Comment	N	Parent raised until one year
3884	General Comment	N	Parent raised until four months
3884	General Comment	N	Received from Mr. Vorster, Summerdown Garage
3884	General Comment	N	Parent raised until four months
3885	General Comment	N	Received from Hartmut Freyer
3885	General Comment	N	Parent raised until five months
3886	General Comment	N	Received from Hartmut Freyer
3887	General Comment	N	Received from Hartmut Freyer



SB #	Type of Comment		Comment
3888	General Comment	N	Received from Hartmut Freyer
3889	General Comment	N	Received from P. Gossow
3890	General Comment	N	Received from Mr. Geldenhuis
3890	General Comment	N	Parent raised until one month
3891	General Comment	N	CCF Records AJU1083
3892	General Comment	N	CCF Records AJU1108
3892	General Comment	N	CCF Records AJU1108
3893	Cause of Death	NX	Intestinal intussusception, diarrhoea
3899	General Comment	N	Received from Mrs. Voigts, Farm Nomtsas via P. Dillmann, To Diett
3950	General Comment	C	Caught in All Days area, South Africa
3965	General Comment	C	Wild caught, Madikwe Game Reserve, South Africa
4029	General Comment	C	Caught by Neubrech, Okahandja
4030	General Comment	C	Caught by Neubrech, Okahandja
4031	General Comment	C	Caught by Neubrech, Okahandja
4032	General Comment	C	Caught by Neubrech, Okahandja
4033	General Comment	C	Caught by Coetzee, Gobabis
4034	General Comment	C	Caught by Coetzee, Gobabis
4035	General Comment	C	Caught by Meyer, Okahandja
4036	General Comment	C	Caught by Meyer, Okahandja
4043	General Comment	C	Acquired from Eindelik farm, Gobabis
4044	General Comment	C	Acquired from Korasieplaas, Steinhausen
4053	Cause of Death	NX	Stillborn
4057	Cause of Death	NX	Stillbirth
4083	General Comment	C	Acquired from Mr. Louw
4084	General Comment	C	Acquired from Mrs. van Niekerk
4085	General Comment	C	Acquired from farm Afguns, Gobabis.
4086	Cause of Death	NX	Anaesthetic shock - lumbar vertebra fracture
4088	General Comment	C	From Kasane, Botswana.

## **SECTION I**

### **Multiple Sires and Dams**

<b>SB #</b>	<b>Multiple Sires</b>	<b>SB #</b>	<b>Multiple Dams</b>
330	Mult sire: 157,158		
1779	Mult sire: 1543,1683,1689		
1780	Mult sire: 1543,1683,1689		
1781	Mult sire: 1543,1683,1689		
1782	Mult sire: 1543,1683,1689		
1783	Mult sire: 1543,1683,1689		
1890	Mult sire: 1163,1543		
1893	Mult sire: 1163,1543		
1895	Mult sire: 1163,1543		
		1918	Mult dam: 1875,1876
		1919	Mult dam: 1875,1876
		1921	Mult dam: 1875,1876
		1922	Mult dam: 1875,1876
		1923	Mult dam: 1875,1876
		1924	Mult dam: 1875,1876
1936	Mult sire: 1872,1873		
2468	Mult sire: 505,506		
2885	Mult sire: 2517,2518		
2891	Mult sire: 505,506		
2892	Mult sire: 505,506		
3168	Mult sire: 1723, 1722		
3169	Mult sire: 1723, 1722		
3170	Mult sire: 1723, 1722		
3322	Mult sire: 505,506		
3323	Mult sire: 505,506		
3324	Mult sire: 505,506		
3512	Mult sire: 1272,1723,3168,3169,3170		
3513	Mult sire: 1272,1723,3168,3169,3170		

## **SECTION J**

**Live Animals by Studbook Number**

**Through December 31 1999**

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
249	F	17 Nov 1980	77	34	WINSTON CLEVELAND	17 Nov 1980 24 May 1982 28 Aug 1988	0805 820507 820507	Birth Transfer Transfer	Unknown	WINDHOEK	WS 34		
330	F	13 Aug 1983	MULT	125	WINSTON NAPLES FL WINSTON OKLAHOMA	13 Aug 1983 31 Jan 1984 16 Aug 1985 14 Aug 1986	08833 NONE 08833 386722	Birth Transfer Transfer Transfer	Unknown	KALUHA	WS 76		
357	M	12 Apr 1983	351	344	PRET DW SAN ANTON YULEE	12 Apr 1983 17 May 1984 25 Mar 1987	D92187 841501 87101	Birth Transfer Transfer	Unknown	MC001	CHADEW		
384	M	19 Nov 1983	MULT	145	WINSTON FERNDALE MINNESOTA FERNDALE ARMES	19 Nov 1983 8 Aug 1984 23 Apr 1985 28 Sep 1985 25 Mar 1986	111834 111834 4321 111834 _____	Birth Transfer Transfer Transfer Transfer	Unknown	TIGER	WS 80		
397	M	3 Jul 1984	137	152	ST LOUIS OKLAHOMA	3 Jul 1984 11 Feb 1987	084002 402323	Birth Loan to	Unknown	KALI	STL 19		
405	F	8 Oct 1984	307	145	WINSTON AUDUBON YULEE	8 Oct 1984 13 May 1985 14 Aug 1986	010845 712 86109	Birth Transfer Transfer	Unknown	SUNI	WS 89		
406	F	8 Oct 1984	307	145	WINSTON FERNDALE ARMES	8 Oct 1984 17 Dec 1984 25 Mar 1986	010846 010846 _____	Birth Transfer Transfer	Unknown	SHEBA	WS 90		
417	F	20 Jul 1984	112	225	COLUMBUS YULEE COLUMBUS PEKING	20 Jul 1984 16 Jan 1986 24 Jul 1986 31 Jul 1986	842101 86101 842101 500165	Birth Transfer Transfer Transfer	Unknown	SERENGETI	COL 31		
432	F	~ May 1984	WILD	428	DELFTS FOSSILRIM CALDWELL	~ May 1984 6 May 1985 8 Dec 1987	NONE 1004 001584	Birth Transfer Ownership	Unknown	TANJA			
458	M	~ 1984	WILD	WILD	NAMIBIA TORONTO ROCKTON TORONTO  HEMMINGFD	~ Jun 1984 10 Oct 1985 16 May 1989 17 Jul 1989  26 Jun 1996	NONE 20180 _____ 20180  UNK	Capture Transfer Loan to Transfer  Loan to	Parent	CHUMA			
504	F	29 Sep 1986	426	461	FOSSILRIM	29 Sep 1986	1009	Birth	Parent	CAMI	FR 4		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					KNOXVILLE	29 Apr 1995	1656	Transfer					
					FOSSILRIM	29 Jul 1996	1009	Transfer					
505	M	3 Oct 1986	365	270	YULEE	3 Oct 1986	86203	Birth	Unknown	OMBU	WO 2		
					FOSSILRIM	26 Apr 1990	1048	Transfer					
506	M	3 Oct 1986	365	270	YULEE	3 Oct 1986	86204	Birth	Unknown	IGUASU	WO 3		
					FOSSILRIM	26 Apr 1990	1049	Transfer					
508	F	3 Oct 1986	365	270	YULEE	3 Oct 1986	86201	Birth	Unknown	MANDY	WO 5		
						2 Jan 2000		Death					
513	F	9 Oct 1986	472	375	SD-WAP	9 Oct 1986	037636	Birth	Unknown	CARA	SD 64		
					OKLAHOMA	4 May 1989	492025	Transfer					
					FORTWORTH	19 Jul 1994	1042	Loan to					
518	M	27 Jan 1987	364	373	COLUMBUS	27 Jan 1987	872005	Birth	Unknown	KIJANO	COL 49	00-0020-52F4	
					BATTLE CR	7 Oct 1988	0299	Transfer					
					COLUMBUS	10 Jan 1997	NONE	Transfer					
						10 Jan 1997	UNK	Loan to					
522	F	27 Jan 1987	364	373	COLUMBUS	27 Jan 1987	872009	Birth	Parent	SHWARI	COL 53		
					DICKERSON	23 Jun 1988	2888	Transfer					
						11 Apr 1990	2888	Transfer					
528	M	11 May 1987	364	255	COLUMBUS	11 May 1987	872059	Birth	Parent	KAIDI	COL 57		
					KNOXVILLE	4 Aug 1988	1244	Transfer					
536	M	19 Oct 1987	426	432	FOSSILRIM	19 Oct 1987	1015	Birth	Unknown	SHAKA	FR 9	00-000D-86A2	
					CALDWELL	22 May 1989	001583	Transfer					
					BATONROUG	26 Jul 1994	M2740	Loan to					
					MANHATTAN	11 Jul 1996	960012	Loan to					
545	M	16 Nov 1987	UNK	543	CINCINNAT	16 Nov 1987	M9982	Birth	Unknown	MWENDO	CIN 22		
					KINGS ISL	4 Oct 1988	1037	Loan to					
					JACKSON	29 Dec 1989	002083	Loan to					
555	F	9 Mar 1988	365	270	YULEE	9 Mar 1988	88305	Birth	Unknown	ZEPHYR	WO 9		
					AUDUBON	13 Sep 1990	1084	Loan to					
						1 Sep 1992	1084	Transfer					
556	F	9 Mar 1988	365	270	YULEE	9 Mar 1988	88306	Birth	Unknown	ZENITH	WO 10		
					DUBBO	18 Apr 1995	950075	Transfer					
567	M	21 Apr 1988	426	463	FOSSILRIM	21 Apr 1988	1019	Birth	Parent	PABLO	FR 14		
					DICKERSON	25 Oct 1989	3157	Transfer					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
572	F	21 Apr 1988	426	463	FOSSILRIM	21 Apr 1988	1023	Birth	Unknown	LUCY	FR 19		
575	M	12 Jun 1988	462	431	FOSSILRIM	12 Jun 1988	1025	Birth	Unknown	CHESTER	FR 20		
					PHOENIX	16 Mar 1990	5839	Loan to					
					ST LOUIS	18 Apr 1996	UNK	Loan to					
576	M	12 Jun 1988	462	431	FOSSILRIM	12 Jun 1988	1026	Birth	Unknown	BUSTER	FR 21		
					PHOENIX	16 Mar 1990	5840	Loan to					
					ST LOUIS	18 Apr 1996	UNK	Loan to					
582	M	29 Jul 1988	426	461	FOSSILRIM	29 Jul 1988	1028	Birth	Unknown	CHASE	FR 23		
					YULEE	26 Apr 1990	90209	Transfer					
					DUBBO	18 Apr 1995	950076	Transfer					
583	M	29 Jul 1988	426	461	FOSSILRIM	29 Jul 1988	1029	Birth	Unknown	RALPH	FR 24		
					RIO GRAND	22 Aug 1990	M90070	Transfer					
590	M	26 May 1981	337	645	PRET DW	26 May 1981	D92109	Birth	Parent	MB107	ASKDEW 201	00-01BB-8E65	
					TOLEDO	21 Sep 1988	880023	Transfer					
					BATTLE CR	3 Jun 1994	590	Transfer					
					TOLEDO	9 Jun 1994	880023	Transfer					
591	M	10 Apr 1982	337	738	PRET DW	10 Apr 1982	D92288	Birth	Parent	MB019	KANDEW 196	0001330427	
					TOLEDO	21 Sep 1988	880024	Transfer					
595	F	15 Jul 1987	989	1051	PRET DW	15 Jul 1987	D92235	Birth	Unknown	PAMPATA	DEW 295		
					CINCINNAT	3 Oct 1988	M10034	Transfer					
605	M	28 Oct 1988	364	373	COLUMBUS	28 Oct 1988	882121	Birth	Unknown	KWELI			
					FERNDALE	30 Oct 1989	30427	Transfer					
					TOLUCA	6 Nov 1990	_____	Transfer					
606	M	28 Oct 1988	364	373	COLUMBUS	28 Oct 1988	882122	Birth	Unknown	PUDGE	COL 79		
					LOSANGELE	8 Dec 1988	95643	Loan to					
					NY BRONX	8 Nov 1990	901458	Loan to					
786	F	~ 1975	WILD	WILD	NAMIBIA	~ 1976	NONE	Capture	Parent	NO. 1			
					GELSNKRKN	~ 1977	_____	Transfer					
					DUISBURG	23 Aug 1979	_____	Transfer					
					GELSNKRKN	21 Jun 1988	_____	Transfer					
					NADERMANN	5 Apr 1990	NONE	Transfer					
868	M	~ 1976	WILD	WILD	NAMIBIA	~ 1978	NONE	Capture	Parent	ISHIMATSU			
					SHIRAHAMA	5 May 1978	78	Transfer					
					YOSHIKAWA	31 Jul 1983	_____	Transfer					
869	F	~ 1976	WILD	WILD	NAMIBIA	~ 1978	NONE	Capture	Parent	JINNY			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					SHIRAHAMA	5 May 1978	81	Transfer					
					YOSHIKAWA	31 Jul 1983		Transfer					
870	F	~ 1976	WILD	WILD	NAMIBIA	~ 1978	NONE	Capture	Parent	BELL			
					SHIRAHAMA	19 Feb 1978	59	Transfer					
					YOSHIKAWA	8 Jul 1982		Transfer					
871	F	~ 1976	WILD	WILD	NAMIBIA	~ 1978	NONE	Capture	Parent	MARLY			
					SHIRAHAMA	19 Feb 1978	56	Transfer					
					YOSHIKAWA	31 Jul 1983		Transfer					
1102	F	~ 1979	352	353	MULDERTEN	~ 1979		Birth	Unknown	AITSA	KAT		
					HUIZEN FD	~ 1987		Transfer					
					ZOOANIMAL	~ 1991	NONE	Transfer					
1137	M	12 Sep 1979	741	631	WHIPSNADE	12 Sep 1979		Birth	Unknown	P931	WH 59		
					PLANCKNDL	16 May 1980	002006	Transfer					
					ANTWERP	28 Feb 1991	M9152A	Loan to					
					PLANCKNDL	11 Oct 1991	002006	Transfer					
					J. HOP	17 Feb 1992		Transfer					
1308	M	31 Dec 1981	1006	1008	MOSCOW	31 Dec 1981	A00079	Birth	Unknown	BOY	MOS 1		
					PYONGYANG	18 Feb 1990		Loan to					
1333	M	3 Jan 1982	1006	1007	MOSCOW	3 Jan 1982	A00704	Birth	Unknown	ZAVIKHLAJ	MOS 6		
					DUSHANBE	10 Jun 1983	M054	Transfer					
					KAUNAS	29 Sep 1991		Transfer					
					TULA	23 Jun 1992		Transfer					
1398	M	~ 1983	WILD	WILD	NAMIBIA	~ 1984	NONE	Capture	Parent	OMAN			
					MOSCOW	8 Aug 1984	A00087	Transfer					
					BUKHARA	28 Mar 1988		Loan to					
					MOSCOW	18 Feb 1992	A00087	Transfer					
					TULA	18 Mar 1992		Loan to					
1410	M	27 Mar 1983	341	350	WHIPSNADE	27 Mar 1983		Birth	Unknown	ZEKE	WH 79		
					DOHO ZOO	4 Dec 1983		Transfer					
1411	M	27 Mar 1983	341	350	WHIPSNADE	27 Mar 1983		Birth	Unknown	ZERO	WH 80		
					AALBORG	12 Jan 1984	GEP5	Loan to					
					PONTSCORF	3 Feb 1994	PS7	Loan to					
1412	F	27 Mar 1983	341	350	WHIPSNADE	27 Mar 1983		Birth	Unknown	ZENA	WH 81		
					DOHO ZOO	4 Dec 1983		Transfer					
1446	M	11 Jul 1983	UNK	879	MITO CHO	11 Jul 1983	151	Birth	Unknown	SASA	AKI 10		



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
1449	F	11 Jul 1983	UNK	879	MITO CHO	11 Jul 1983	154	Birth	Parent	KYARII	AKI 13		
1456	M	3 Oct 1983	1134	761	HILVARENB	3 Oct 1983	M83183	Birth	Unknown	SVEN	BB 20		
1463	F	~ 1983	WILD	WILD	NAMIBIA LA PALMYR	~ Jun 1988 18 Oct 1988	NONE 190	Capture Transfer	Parent	JEANNETTE			
1469	F	~ 1984	WILD	WILD	NAMIBIA DVURKRALV	~ 1985 21 Jun 1985	NONE 37	Capture Transfer	Parent	ASMARA			
1477	F	~ 1984	WILD	WILD	NAMIBIA LISBON	~ 1986 6 Nov 1986	NONE 48	Capture Transfer	Parent	6			
1478	F	~ 1984	WILD	WILD	NAMIBIA LISBON MAIA	~ 1986 6 Nov 1986 7 Oct 1998	NONE 49 UNK	Capture Transfer Loan to	Parent	7			
1483	F	~ 1987	WILD	WILD	NAMIBIA KOLN	~ 1987 17 Jun 1987	NONE 444	Capture Transfer	Parent	HIKCHEN			
1484	F	~ 1984	WILD	WILD	NAMIBIA KOLN	~ 1987 17 Jun 1987	NONE 446	Capture Transfer	Parent	NAABI			
1500	F	13 Mar 1984	1190	349	PRET DW HANNOVER	13 Mar 1984 31 Oct 1988	D92190 V/423	Birth Transfer	Unknown	FB007	DEW 238		
1552	F	27 Dec 1984	1134	761	HILVARENB WASS BR C HILVARENB	27 Dec 1984 17 Dec 1992 20 Jan 1993	M84201 _____ M84201	Birth Loan to Transfer	Unknown	JULI	BB 38		
1557	F	~ 1985	WILD	WILD	NAMIBIA SWEETMAN CHESTER FOTA CHESTER	~ 1987 ~ 1988 29 Sep 1988 10 Aug 1993 8 Jul 1994	NONE NONE 1792 935 1792	Capture Transfer Loan to Loan to Loan to	Parent	MOSHA			
1573	M	1 Mar 1985	347	350	WHIPSDNADE WINDSOR	1 Mar 1985 17 Aug 1986	_____ _____	Birth Transfer	Unknown	GLAW	WH 108		
1576	M	21 Mar 1985	1012	1420	VARADAY HOEDSPRUI HUIZEN FD AYWAILLE	21 Mar 1985 1 Jul 1989 28 Apr 1993 3 Oct 1997	NONE _____ 970054 UNK	Birth Transfer Transfer Transfer	Unknown	IZYPATZ	DV		
1577	F	~ 1985	UNK	UNK	VARADAY HOEDSPRUI	~ 1985 1 Jul 1989	NONE FA008	Birth Transfer	Unknown	LETTAH	DV		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
1581	F	5 Apr 1985	1293	1324	FOTA	5 Apr 1985	29	Birth	Unknown	SHEENAH	FWP 13		
					VARADAY	1 May 1986	NONE	Transfer					
					HOEDSPRUI	1 Jul 1989	FA018	Transfer					
					TIJUANA	11 Jan 1992	FA018	Transfer					
1582	F	5 Apr 1985	1293	1324	FOTA	5 Apr 1985	91	Birth	Unknown	EITHNE	FWP 14		
					PAIGNTON	1 Sep 1986	198	Loan to					
					JERSEY	22 Feb 1991	M1657	Loan to					
					PAIGNTON	4 Aug 1997	NONE	Loan to					
1583	M	12 Apr 1985	1012	492	VARADAY	12 Apr 1985	NONE	Birth	Unknown	SHAUNAH	DV		
					HOEDSPRUI	14 Jun 1989		Transfer					
					TIJUANA	11 Jan 1992		Transfer					
1585	F	~ 1985	UNK	UNK	VARADAY	~ 1985	NONE	Birth	Unknown	ZELDA	DV		
					HOEDSPRUI	~ 1990	FA026	Transfer					
					TIJUANA	11 Jan 1992	FA026	Transfer					
1591	F	25 Apr 1985	1006	1008	MOSCOW	25 Apr 1985	A00730	Birth	Unknown	NIKA	MOS 30		
					BUKHARA	14 Aug 1985		Transfer					
1604	M	~ May 1985	WILD	WILD	NAMIBIA	~ May 1985	NONE	Birth	Parent	SHAKA			
					KREFELD	27 May 1987	38	Transfer					
1605	F	~ May 1985	WILD	WILD	NAMIBIA	~ May 1985	NONE	Birth	Parent	NANDU			
					KREFELD	27 May 1987	39	Transfer					
1619	M	18 Sep 1985	848	1151	WASS BR C	18 Sep 1985		Birth	Parent	ZOEF	WAS 36		
					AMERSFOOR	16 Mar 1994	M1294	Loan to					
					WASS BR C	14 Mar 1995		Transfer					
					AMERSFOOR	18 Jan 1996	UNK	Loan to					
					WASS BR C	17 Jun 1996	UNK	Loan to					
					AUNEAU	23 Aug 1998	UNK	Loan to					
WASS BR C	10 May 1999	UNK	Loan to										
1623	M	~ 1985	WILD	WILD	NAMIBIA	~ 1986	NONE	Capture	Parent				
					RABAT	26 Feb 1986	20128	Transfer					
1624	F	~ 1985	WILD	WILD	NAMIBIA	~ 1986	NONE	Capture	Parent				
					RABAT	26 Feb 1986	20129	Transfer					
1633	F	~ 1987	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	Parent	FILL			
					SHIRAHAMA	10 Sep 1988	224	Transfer					
					HIMEJI	23 Jan 1990	224	Transfer					
					TOBU	23 Jul 1994	224	Transfer					
1637	F	~ 1986	WILD	WILD	NAMIBIA	~ 1987	NONE	Capture	Parent	MOSHI			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					COLCHESTR	21 Aug 1987	25	Transfer					
1650	M	~ 1986	WILD	WILD	NAMIBIA BORAS	~ 1986 15 Dec 1986	NONE RG0008	Capture Transfer	Parent	JUMA			
1651	M	~ 1986	WILD	WILD	NAMIBIA BORAS	~ 1986 15 Dec 1986	NONE RG0009	Capture Transfer	Parent	DUMA			
1652	F	19 Apr 1986	1006	1008	MOSCOW BORAS	19 Apr 1986 22 Mar 1988	A00083 RG0010	Birth Transfer	Unknown	MARINA	MOS 37		
1653	F	19 Apr 1986	1006	1008	MOSCOW TASHKENT	19 Apr 1986 24 Jun 1987	A00737 _____	Birth Transfer	Unknown	NERONA	MOS 38		
1654	F	19 Apr 1986	1006	1008	MOSCOW WARSAW LODZ	19 Apr 1986 17 Dec 1986 2 Apr 1998	A00738 S2202 UNK	Birth Transfer Transfer	Hand	NANA	MOS 39		
1658	F	20 Apr 1986	1006	1007	MOSCOW	20 Apr 1986	A00085	Birth	Unknown	MUZA	MOS 43		
1659	F	25 Apr 1986	1006	1316	MOSCOW	25 Apr 1986	A00086	Birth	Unknown	DIANA	MOS 44		
1661	M	8 May 1986	847	850	WASS BR C PEKING	8 May 1986 ~ 1987	_____ 500164	Birth Transfer	Unknown	FEISAL	WAS 40		
1665	M	14 Jun 1986	347	350	WHIPNADE COLCHESTR	14 Jun 1986 30 Sep 1987	_____ 26	Birth Loan to	Unknown	LOFTY	WH 114		
1666	M	14 Jun 1986	347	350	WHIPNADE CHESTER	14 Jun 1986 10 Jun 1987	_____ 1573	Birth Loan to	Parent	SHAMBA	WH 115		
1669	F	14 Jun 1986	347	350	WHIPNADE CHESTER FOTA	14 Jun 1986 10 Jun 1987 10 Aug 1993	_____ 1575 934	Birth Loan to Loan to	Unknown	KISUMA	WH 118		
1675	M	~ Jun 1986	WILD	WILD	NAMIBIA KREFELD	~ Jun 1986 17 Jun 1987	NONE 40	Birth Transfer	Parent	ZULU			
1681	M	1 Jul 1986	670	1019	VARADAY HOEDSPRUI TIJUANA	1 Jul 1986 1 Jul 1989 11 Jan 1992	NONE _____ _____	Birth Transfer Transfer	Unknown	KEVIN	DV		
1683	M	5 Jul 1986	1543	1400	FOTA DUBLIN FOTA BELFAST FOTA	5 Jul 1986 11 May 1989 14 Aug 1989 18 Sep 1989 11 Feb 1993	95 89M067 95 210 95	Birth Loan to Transfer Loan to Transfer	Unknown	OSCAR	FWP 34		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					LA FLECHE	21 Apr 1993					Loan to		
					FONTAINE	1 Jun 1996	UNK				Loan to		
1685	M	13 Jul 1986	1163	1324	FOTA	13 Jul 1986	36	Birth	Unknown	CLINT	FWP	36	
					DUBLIN	25 Jan 1987	87M042	Transfer					
					BELFAST	19 May 1988	27	Loan to					
					EDINBURGH	24 Jun 1995		Loan to					
					GLASGOW	18 May 1997	NONE	Loan to					
1690	M	30 Aug 1986	1403	1326	FOTA	30 Aug 1986	41	Birth	Unknown	HOWARD	FWP	22	
					GREULICH	~ 1988		Transfer					
					OCHS	1 Feb 1988	NONE	Transfer					
1694	F	30 Aug 1986	1403	1326	FOTA	30 Aug 1986	45	Birth	Unknown	SLEAKY	FWP	26	
					GREULICH	~ 1988		Transfer					
					OCHS	1 Feb 1988	NONE	Transfer					
1700	F	8 Nov 1986	954	1077	HUIZEN FD	8 Nov 1986		Birth	Unknown	BLACKFACE	EAF	8	
					AYWAILLE	1 Jun 1997	NONE	Loan to					
						3 Oct 1997	970055	Transfer					
1707	M	28 Dec 1986	847	1038	WASS BR C	28 Dec 1986		Birth	Unknown	GEORGIE	WAS	43	
					GUADALJR	~ 1987		Transfer					
1711	F	~ 1987	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	Parent	MONT1			
					MONTPELLI	8 Nov 1988	M001	Transfer					
					PEAUGRES	31 Jul 1996	29	Loan to					
					MONTPELLI	6 Jun 1997	NONE	Transfer					
1721	M	11 Jun 1987	1444	1230	DUBBO	11 Jun 1987	870008	Birth	Parent	TSAVO	WPZ	4	
1724	M	11 Jun 1987	1543	1400	FOTA	11 Jun 1987	46	Birth	Unknown	HAPPY	FWP	27	
					LONGLEAT	15 Dec 1988		Transfer					
1726	M	11 Jun 1987	1543	1400	FOTA	11 Jun 1987	109	Birth	Unknown	CHARLIE	FWP	48	
					MARWELL	23 Mar 1988	1057M1	Transfer					
					WHIPNADE	7 Aug 1990	L1253	Transfer					
					DELHI	7 Dec 1990		Transfer					
1737	F	15 Sep 1987	347	356	WHIPNADE	15 Sep 1987	L112	Birth	Unknown	JACARANDA	WH	121	
					GLASGOW	10 Sep 1990	M01333	Loan to					
1748	F	4 Nov 1987	848	1381	WASS BR C	4 Nov 1987	890875	Birth	Unknown	ILJA	WAS	50	
					CLEVELAND	22 May 1989	890515	Transfer					
					NZP-WASH	3 Dec 1998	UNK	Transfer					
1755	M	~ Jun 1988	WILD	1463	NAMIBIA	~ Jun 1988	NONE	Capture	Unknown	BURKY			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					LA PALMYR	18 Oct 1988	198	Transfer					
1756	F	~ Jun 1988	WILD 1463		NAMIBIA	~ Jun 1988	NONE	Capture	Unknown	ALUSINE			
					LA PALMYR	18 Oct 1988	199	Transfer					
					PONTSCORF	15 Sep 1995	UNK	Transfer					
					PARIS ZOO	19 Nov 1996	296165	Transfer					
					PEAUGRES	14 Nov 1997	NONE	Transfer					
					PARIS	16 Jun 1998	UNK	Loan to					
1760	M	13 May 1988	1527 1038		WASS BR C	13 May 1988		Birth	Unknown	JOCK		WAS 52	
					ANTWERP	15 Apr 1991	002007	Transfer					
					WASS BR C	8 Oct 1991		Transfer					
					FONTAINE	18 Nov 1991	67AJ5	Loan to					
					MULHOUSE	19 Jun 1992	920066	Loan to					
					WASS BR C	25 Jun 1993		Transfer					
					AMERSFOOR	14 Jul 1993	M1173	Loan to					
					WASS BR C	15 Mar 1994		Transfer					
					AMERSFOOR	15 Mar 1995	M1173	Transfer					
					STUTTGART	26 Aug 1996	6258	Loan to					
1761	M	13 May 1988	1527 1038		WASS BR C	13 May 1988	890882	Birth	Unknown	JULIAN		WAS 53	
					CLEVELAND	22 May 1989	890514	Transfer					
1762	F	13 May 1988	1527 1038		WASS BR C	13 May 1988		Birth	Parent	JUBA		WAS 54	
					FARJESTAD	10 Dec 1989		Transfer					
1771	F	11 Oct 1988	1466 1470		DVURKRALV	11 Oct 1988	DK2	Birth	Hand	MAUN II		VC 2	
					BRNO	17 Sep 1991		Transfer					
					DVURKRALV	9 Apr 1992		Transfer					
1773	M	14 Oct 1988	848 1381		WASS BR C	14 Oct 1988		Birth	Parent	KOJAK		WAS 56	
					FARJESTAD	10 Dec 1989		Transfer					
1774	M	14 Oct 1988	848 1381		WASS BR C	14 Oct 1988		Birth	Unknown	KIAN		WAS 57	
					FOSSILRIM	13 Jun 1990	1050	Transfer					
					FORTWORTH	24 Jun 1998	1450	Loan to					
					FOSSILRIM	2 Feb 1999	1050	Loan to					
1775	F	14 Oct 1988	848 1381		WASS BR C	14 Oct 1988		Birth	Parent	KIMJA		WAS 58	
					SALZBURG	12 Mar 1991	M0007	Transfer					
1776	M	22 Oct 1988	1444 1230		DUBBO	22 Oct 1988	880017	Birth	Unknown	NAKURU		WPZ 7	
					MELBOURNE	26 Oct 1992	921329	Transfer					
1777	M	22 Oct 1988	1444 1230		DUBBO	22 Oct 1988	880016	Birth	Unknown	OVAMBO		WPZ 8	
					MELBOURNE	26 Nov 1992	921330	Transfer					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
1779	M	17 Dec 1988	MULT	1684	FOTA DELHI	17 Dec 1988 7 Dec 1990	118	Birth Transfer	Unknown	FWP 57			FWP 38
1780	M	17 Dec 1988	MULT	1684	FOTA DUBLIN FOTA JAKARTA	17 Dec 1988 18 Dec 1989 14 Aug 1990 1 Nov 1990	119 89M147 119	Birth Transfer Transfer Transfer	Unknown	FWP 58			VIFWP 39
1781	M	17 Dec 1988	MULT	1684	FOTA DUBLIN FOTA JAKARTA	17 Dec 1988 18 Dec 1989 14 Aug 1990 1 Nov 1990	120 89M148 120	Birth Loan to Transfer Transfer	Unknown	CHICO			FWP 40
1782	M	17 Dec 1988	MULT	1684	FOTA DUBLIN FOTA JERSEY PAIGNTON	17 Dec 1988 18 Dec 1989 14 Aug 1990 19 Mar 1992 4 Aug 1997	121 89M149 121 M1801 NONE	Birth Loan to Transfer Loan to Loan to	Unknown	BRENDEN			FWP 41
1783	F	17 Dec 1988	MULT	1684	FOTA DELHI	17 Dec 1988 7 Dec 1990	122	Birth Transfer	Unknown	FWP 61			FWP 42
1812	F	~ 1985	WILD	WILD	NAMIBIA OUDTSHORN SUTTONCRF	~ 1985 ~ 1985 1 Nov 1990	NONE 031	Capture Transfer Transfer	Parent	KARI			
1813	M	~ 1986	WILD	WILD	NAMIBIA PARIS ZOO	~ 1988 9 Nov 1988	NONE Z88143	Capture Transfer	Parent	MARIUS			
1815	F	~ 1986	WILD	WILD	NAMIBIA PARIS ZOO	~ 1988 9 Nov 1988	NONE Z88146	Capture Transfer	Parent	RAISSA			
1817	F	~ 1986	WILD	WILD	NAMIBIA PARIS ZOO PONTSCORF	~ 1988 9 Nov 1988 19 Nov 1996	NONE Z88145 NONE	Capture Transfer Transfer	Parent	PRISCA			
1826	F	18 Nov 1987	1818	1798	OUDTSHORN COLUMBUS KNOXVILLE COLUMBUS	18 Nov 1987 30 Oct 1989 31 Jul 1991 30 Mar 1994	_____ 892109 1461 892109	Birth Transfer Loan to Transfer	Unknown	DESIREE			CC 25
1827	M	1 Feb 1988	WILD	WILD	NAMIBIA OUDTSHORN SUTTONCRF	15 Feb 1988 1 Mar 1988 1 Nov 1990	NONE 008	Capture Transfer Transfer	Parent	OTJI			
1828	M	1 Feb 1988	WILD	WILD	NAMIBIA OUDTSHORN	15 Feb 1988 1 Mar 1988	NONE 005	Capture Transfer	Parent	JIWA			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					SUTTONCRF	1 Nov 1990		Transfer					
1829	F	1 Feb 1988	WILD	WILD	NAMIBIA	15 Feb 1988	NONE	Capture	Parent	RONGO			
					OUDTSHORN	1 Mar 1988	007	Transfer					
1830	F	1 Feb 1988	WILD	WILD	NAMIBIA	15 Feb 1988	NONE	Capture	Parent	WARO			
					OUDTSHORN	1 Mar 1988	003	Transfer					
					SUTTONCRF	1 Nov 1990		Transfer					
1833	F	13 Apr 1988	1789	1037	OUDTSHORN	13 Apr 1988		Birth	Hand	STRING	CC 28		
					COLUMBUS	23 Aug 1989	892108	Transfer					
					KNOXVILLE	31 Jul 1991	1462	Loan to					
					COLUMBUS	30 Mar 1994	892108	Transfer					
1857	M	26 Aug 1986	1836	1844	HIMEJI	26 Aug 1986	203	Birth	Parent	AKIRA	HCP 18		
					TOBE	18 Nov 1996	NONE	Transfer					
1862	F	~ 1985	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	Parent	TANYA			
					FREJUS	17 Nov 1988		Transfer					
					MONTPELLI	21 Aug 1995	UNK	Loan to					
					MORT	2 May 1999	UNK	Loan to					
1863	M	~ 1986	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	Parent	MIKE			
					FREJUS	17 Nov 1988		Transfer					
					MONTPELLI	21 Aug 1995	UNK	Loan to					
					PARIS ZOO	28 Feb 1996	UNK	Loan to					
1874	F	~ 1984	WILD	WILD	NAMIBIA	~ 1986	NONE	Capture	Parent	SHEEBA			
					NEUWIEDRH	7 May 1986	1002__	Transfer					
1875	F	~ 1984	WILD	WILD	NAMIBIA	~ 1986	NONE	Capture	Parent	NIKITA			
					NEUWIEDRH	7 May 1986	05C7F8	Transfer					
1878	M	26 Jan 1989	1403	1400	FOTA	26 Jan 1989	124	Birth	Unknown	FWP 63	FWP 44		
1879	M	26 Jan 1989	1403	1400	FOTA	26 Jan 1989	125	Birth	Unknown	FWP 64	FWP 45		
					DUBLIN	14 Aug 1990	90M063	Loan to					
					FOTA	12 Aug 1993	125	Transfer					
					PONTSCORF	19 Jan 1994		Loan to					
						11 Jan 2000		Death					
1880	M	26 Jan 1989	1403	1400	FOTA	26 Jan 1989	126	Birth	Unknown	FWP 65	FWP 46	7F7E603A51	
1883	M	30 Mar 1989	365	270	YULEE	30 Mar 1989	89304	Birth	Unknown	MURANI	WO 11		
					BALTIMORE	4 Jun 1998	UNK	Transfer					
1884	M	30 Mar 1989	365	270	YULEE	30 Mar 1989	89305	Birth	Unknown	LUEY JR	WO 12		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					SAN ANTON	19 Nov 1991	911133	Transfer					
1889	F	19 Apr 1989	385	370	ST LOUIS	19 Apr 1989	089056	Birth	Hand	SHANI	STL 26		
1890	M	22 Apr 1989	MULT	1533	FOTA	22 Apr 1989	129	Birth	Unknown	FWP 68	FWP 49	7F7E604120	
					COLCHESTR	12 May 1994	1293	Loan to					
1893	F	22 Apr 1989	MULT	1533	FOTA	22 Apr 1989	132	Birth	Unknown	IRIS	FWP 52		
					DUBLIN	14 Aug 1990	90M065	Loan to					
					BELFAST	28 Aug 1991	508	Loan to					
					FOTA	3 Jun 1994	132	Transfer					
1895	F	22 Apr 1989	MULT	1533	FOTA	22 Apr 1989	73	Birth	Unknown	TARI	FWP 54		
					WINDSOR	12 Dec 1989		Transfer					
1896	M	22 Apr 1989	390	531	SD-WAP	22 Apr 1989	689190	Birth	Unknown	WART	SD 73		
					NASHVILLZ	26 Jul 1991	940043	Loan to					
					CHICAGOLP	12 Nov 1994	9852	Loan to					
1898	F	22 Apr 1989	390	531	SD-WAP	22 Apr 1989	689192	Birth	Parent	TAMUTAMU	SD 75		
1899	F	22 Apr 1989	390	531	SD-WAP	22 Apr 1989	689193	Birth	Parent	ZURI-NEALYSD	76		
					DICKERSON	12 May 1991	3366	Loan to					
1900	M	10 May 1989	390	375	SD-WAP	10 May 1989	689255	Birth	Parent	MSASA	SD 77		
1901	M	10 May 1989	390	375	SD-WAP	10 May 1989	689256	Birth	Unknown	CRUISER	SD 78		
					NASHVILLZ	26 Jul 1991	940042	Loan to					
					CHICAGOLP	12 Nov 1994	9853	Loan to					
1902	F	10 May 1989	390	375	SD-WAP	10 May 1989	689257	Birth	Unknown	ETOSHA	SD 79		
					YULEE	19 Feb 1991	91203	Transfer					
					NASHVILLE	28 Sep 1999	1330	Transfer					
1903	F	10 May 1989	390	375	SD-WAP	10 May 1989	689258	Birth	Unknown	SABIE	SD 80		
					RIO GRAND	13 Jun 1991	M91041	Transfer					
1904	M	23 May 1989	591	592	TOLEDO	23 May 1989	890017	Birth	Parent	HUEY	TOL 5	0001DBF0CB	
					FT WAYNE	23 Apr 1996	UNK	Transfer					
1905	M	23 May 1989	591	592	TOLEDO	23 May 1989	890018	Birth	Parent	PETE	TOL 6	0001BACBDE	
					FT WAYNE	23 Apr 1996	UNK	Transfer					
					COLUMBUS	21 Jan 1999	UNK	Transfer					
1907	F	23 May 1989	591	592	TOLEDO	23 May 1989	890020	Birth	Unknown	LOUIE	TOL 8		
					KNOXVILLE	24 Sep 1990	1399	Transfer					
					YULEE	6 Mar 1995	950309	Loan to					



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					NASHVILLE	25 Oct 1999	1410	Loan to					
1908	M	22 Jul 1989	1619	1271	AMERSFOOR	22 Jul 1989	M414	Birth	Hand	LUCKY	WAS	59	
					WASS BR C	22 Jul 1989		Transfer					
					AMERSFOOR	30 Jul 1989	M414	Transfer					
					WASS BR C	17 Apr 1996	UNK	Transfer					
					AMERSFOOR	17 Jun 1996	M414	Transfer					
1918	M	18 May 1989	1871	MULT	NEUWIEDRH	18 May 1989	NRZ3	Birth	Parent	ROLF	NEU	3	
					SALZBURG	21 Mar 1991	M0008	Loan to					
					NEUWIEDRH	16 Feb 1994	1009	Transfer					
1919	M	18 May 1989	1871	MULT	NEUWIEDRH	18 May 1989	NRZ4	Birth	Unknown		NEU	4	
					WUPPERTAL	19 Jun 1990	90049	Loan to					
1921	F	18 May 1989	1871	MULT	NEUWIEDRH	18 May 1989	NRZ6	Birth	Parent	HIEDE	NEU	6	
					SALZBURG	21 Mar 1991	M0009	Loan to					
					PEAUGRES	15 Oct 1995	UNK	Loan to					
					SALZBURG	~ May 1996	MOOO9	Loan to					
					PEAUGRES	30 May 1997	UNK	Loan to					
					SALZBURG	~ Jul 1997	MOOO9	Loan to					
1922	F	18 May 1989	1871	MULT	NEUWIEDRH	18 May 1989	NRZ7	Birth	Parent	NORA	NEU	7	
					STUTTGART	20 Feb 1992	4604	Loan to					
1923	F	18 May 1989	1871	MULT	NEUWIEDRH	18 May 1989	NRZ8	Birth	Unknown		NEU	8	
					WUPPERTAL	19 Jun 1990	90050	Loan to					
1924	F	18 May 1989	1871	MULT	NEUWIEDRH	18 May 1989	NRZ9	Birth	Unknown	MUSCH	NEU	9	
1927	F	8 Jun 1989	1604	1605	KREFELD	8 Jun 1989	325	Birth	Hand	MAKEBA	KR	6	
1928	F	8 Jun 1989	1604	1605	KREFELD	8 Jun 1989	326	Birth	Hand	OTAWI	KR	7	
1936	M	24 Sep 1989	MULT	1874	NEUWIEDRH	24 Sep 1989	NRZ10	Birth	Parent	BARUFU	NEU	10	
					STUTTGART	20 Feb 1992	4605	Loan to					
					HERBERSTN	17 Jun 1996	UNK	Transfer					
					WASS BR C	5 Jul 1997	UNK	Transfer					
					DORTMUND	24 Mar 1999	UNK	Loan to					
1938	M	25 Sep 1989	426	432	FOSSILRIM	25 Sep 1989	1043	Birth	Unknown	TYRONE	FR	35	
					CLEVELAND	23 Apr 1991	910432	Transfer					
					SPRINGFIE	15 May 1996	UNK	Transfer					
1939	F	25 Sep 1989	426	432	FOSSILRIM	25 Sep 1989	1044	Birth	Unknown	ZEEJAH	FR	36	
					PHOENIX	23 Apr 1991	6166	Transfer					
					DISNEY AK	20 May 1998	981095	Loan to					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
1940	F	25 Sep 1989	426	432	FOSSILRIM CALDWELL	25 Sep 1989 25 Sep 1989 5 Feb 1991	1045 001910 001910	Birth Ownership Transfer	Unknown	TARA	FR 37		
1941	F	25 Sep 1989	426	432	FOSSILRIM PHOENIX DISNEY AK	25 Sep 1989 23 Apr 1991 20 May 1998	1046 6167 981096	Birth Transfer Loan to	Unknown	MBOSA	FR 38		
1947	M	27 Oct 1989	458	459	TORONTO ROCKTON	27 Oct 1989 9 Apr 1991	25065 920004	Birth Transfer	Unknown	HASANI	TOR 7		
1958	M	30 Nov 1989	1405	1230	DUBBO WELLINGTN	30 Nov 1989 28 Nov 1991	890026 M418	Birth Transfer	Unknown	ASANTE	WPZ 9	7F7F4A276A	
1959	M	30 Nov 1989	1405	1230	DUBBO WELLINGTN	30 Nov 1989 28 Nov 1991	890027 M419	Birth Transfer	Unknown	ETOSHA	WPZ 10	7F7F407642	
1962	M	24 Dec 1989	299	416	COLUMBUS MANHATTAN BATTLE CR	24 Dec 1989 17 Dec 1992 22 Jan 1999	892138 920017 98M57	Birth Loan to Loan to	Unknown	YATIMA	COL 85	00-0021-652A	
1963	M	24 Dec 1989	299	416	COLUMBUS CINCINNAT COLUMBUS ROCHESTER COLUMBUS BIRMINGHM	24 Dec 1989 9 Dec 1990 15 Oct 1991 29 Apr 1993 9 Sep 1993 7 Oct 1993	892139 _____ 892139 104124 892139 2643	Birth Transfer Transfer Loan to Transfer Transfer	Hand	BUSTER	COL 86	0000ID8460	
1966	M	27 Dec 1989	1527	1620	WASS BR C SINGAPORE	27 Dec 1989 24 Jun 1991	_____ G896	Birth Transfer	Unknown	MILAN	WAS 60		
1985	M	~ 1987	WILD	WILD	NAMIBIA WASS BR C FOTA	~ 1989 ~ 1989 26 Jul 1989	NONE _____ 135	Capture Transfer Transfer	Parent	FWP 74			
1989	F	~ 1987	WILD	WILD	NAMIBIA MUNSTER	~ 1989 28 Apr 1989	NONE 47	Capture Transfer	Parent	ANDARA			
1990	M	~ 1987	WILD	WILD	NAMIBIA MUNSTER HANNOVER	~ 1989 28 Apr 1989 15 Jun 1998	NONE 48 UNK	Capture Transfer Loan to	Parent	UTAPI			
1992	M	~ 1987	WILD	WILD	NAMIBIA MUNSTER	~ 1989 9 Jun 1989	NONE 50	Capture Transfer	Parent	TONDORO			
1993	F	9 May 1987	983	1278	PRET DW	9 May 1987	D92228	Birth	Unknown	FA106	KNIDEW 292		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					WUPPERTAL	14 Sep 1989	89056	Transfer					
					MUNICH	6 Sep 1993	058009	Loan to					
					WASS BR C	14 Jun 1996	UNK	Transfer					
2011	M	23 Sep 1989	1813	1816	PARIS ZOO	23 Sep 1989	Z89115	Birth	Hand	PIOU-PIOU	PZ 1		
2044	F	11 Apr 1983	989	888	PRET DW	11 Apr 1983	D92282	Birth	Unknown	FB013			
					ORIZABA	27 Jun 1990	NONE	Transfer					
2050	F	~ 1983	WILD	WILD	NAMIBIA	~ 1983	NONE	Capture	Parent	MACHILDA			
					HIMEJI	18 Jan 1984	165	Transfer					
					YOSHIKAWA	18 Aug 1984	_____	Transfer					
2051	M	~ 1983	WILD	WILD	NAMIBIA	~ 1983	NONE	Capture	Parent	SASUKE			
					HIMEJI	18 Jan 1984	160	Transfer					
					YOSHIKAWA	18 Aug 1984	_____	Transfer					
2057	F	29 Feb 1984	983	344	PRET DW	29 Feb 1984	D92189	Birth	Unknown	FC005	DEW 237		
					ORIZABA	27 Jun 1990	NONE	Transfer					
2106	F	3 May 1987	989	2016	PRET DW	3 May 1987	D92233	Birth	Unknown	FA111	DEW 286		
					ORIZABA	27 Jun 1990	NONE	Transfer					
2108	M	9 May 1987	983	1278	PRET DW	9 May 1987	D92226	Birth	Unknown	MA104	DEW 289		
					WHIPNADE	3 Jan 1991	_____	Transfer					
					EDINBURGH	28 Aug 1991	91HA03	Loan to					
					GLASGOW	30 Nov 1992	M3337	Loan to					
2109	M	9 May 1987	983	1278	PRET DW	9 May 1987	D92227	Birth	Unknown	MA105	DEW 290	25-D120	
					PRET POT	3 Aug 1993	P93255	Transfer					
2110	M	9 May 1987	983	1278	PRET DW	9 May 1987	D92237	Birth	Unknown	ARGO	DEW 291		
					BASEL	19 Mar 1990	2-12	Transfer					
					KRIEG	2 May 1996	UNK	Transfer					
2124	F	14 Apr 1988	989	2028	PRET DW	14 Apr 1988	D92245	Birth	Unknown	MISS KITTYDEW	303		
					HOUSTON	31 Jan 1990	12106	Transfer					
					YULEE	23 Feb 1990	90208	Transfer					
2125	F	14 Apr 1988	989	2028	PRET DW	14 Apr 1988	D92244	Birth	Unknown	SHEEVA	DEW 304		
					DORTMUND	25 Apr 1990	052005	Transfer					
2127	M	17 Apr 1988	983	2031	PRET DW	17 Apr 1988	D92248	Birth	Unknown	MA126	DEW 306	00-001C-45E8	
					PRET POT	13 Feb 1990	D92248	Transfer					
					PRET DW	22 Feb 1991	D92248	Transfer					
					PRETORIA	30 Apr 1993	903862	Transfer					
					PRET DW	1 May 1993	D92248	Loan to					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					PRET POT	18 May 1994	P93295	Transfer					
					PRETORIA	1 Jun 1995	903862	Transfer					
					PRET POT	17 Jun 1995	UNK	Transfer					
					PRETORIA	16 Oct 1996	NONE	Loan to					
					PRET POT	8 Jul 1997	NONE	Loan to					
					PRETORIA	1 Aug 1997	NONE	Loan to					
					PRET POT	23 Sep 1997	NONE	Loan to					
2133	F	27 Apr 1988	1274	2035	PRET DW	27 Apr 1988	D92252	Birth	Unknown	FA130	DEW 312	IC-01D1	
					PRET POT	13 Feb 1990	D92252	Transfer					
					PRET DW	22 Feb 1991	D92252	Transfer					
					PRETORIA	30 Apr 1993	903866	Transfer					
					PRET DW	1 May 1993	D92252	Loan to					
						1 Aug 1994	D92252	Transfer					
2140	F	11 May 1988	1851	1844	HIMEJI	11 May 1988	222	Birth	Unknown	MIRURU	HCP 28		
					HAMAMATSU	16 Mar 1990	222	Transfer					
					SHIRAHAMA	6 Nov 1990	222	Transfer					
					YOSHIKAWA	27 Jun 1991	222	Transfer					
2141	F	19 May 1988	983	1278	PRET DW	19 May 1988	D92081	Birth	Parent	FE006	DEW 316	21-689B	
					ST LOUIS	28 Jul 1992	920806	Transfer					
2143	F	19 May 1988	983	1278	PRET DW	19 May 1988	D92250	Birth	Unknown	MISS KITTYDEW	318	00-001C-93AF	
					PRET POT	13 Feb 1990	D92250	Transfer					
					PRET DW	22 Feb 1991	D92250	Transfer					
					PRET POT	22 Apr 1991	D92250	Transfer					
					PRETORIA	10 Jun 1993	903793	Transfer					
					AUGSBURG	19 Jul 1993	93152	Transfer					
					NURNBERG	15 Oct 1998	151098	Loan to					
					AUGSBURG	29 Oct 1998	NONE	Loan to					
2144	F	19 May 1988	983	1278	PRET DW	19 May 1988	D92251	Birth	Unknown	FA129	DEW 319		
					PRET POT	13 Feb 1990	D92251	Transfer					
					PRET DW	5 Jun 1990	D92251	Transfer					
					POLARPARK	18 Jun 1990	_____	Transfer					
2149	M	26 May 1989	989	2028	PRET DW	26 May 1989	D92267	Birth	Unknown	MA145	DEW 324		
					ORIZABA	27 Jun 1990	NONE	Transfer					
2150	M	26 May 1989	989	2028	PRET DW	26 May 1989	D92268	Birth	Unknown	MA146	DEW 325		
					HAVANA	4 May 1990	16	Transfer					
2151	M	26 May 1989	989	2028	PRET DW	26 May 1989	D92270	Birth	Unknown	MA148	DEW 326		
					ORIZABA	27 Jun 1990	NONE	Transfer					
2152	F	26 May 1989	989	2028	PRET DW	26 May 1989	D92269	Birth	Unknown	FA147	ARUDEW 327	00-001C-FB8C	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					PRET POT	15 Feb 1991	D92269	Transfer					
					BATTLE CR	15 Apr 1992	2152	Transfer					
					TOLEDO	30 Mar 1993	930017	Loan to					
					BATTLE CR	3 Mar 1994	2152	Transfer					
2154	F	2 Jun 1989	983	2031	PRET DW	2 Jun 1989	D92086	Birth	Unknown	FE008	DEW 329	25-C951	
					PRET POT	27 May 1993	P93043	Transfer					
					PRETORIA	2 Mar 1995	_____	Transfer					
					PRET POT	12 May 1995	_____	Transfer					
					PRETORIA	11 Aug 1995	EE008	Loan to					
					PRET POT	25 Mar 1997	NONE	Loan to					
					HOEDSPRUI	14 Feb 1999	UNK	Loan to					
2159	M	3 Jun 1989	983	1278	PRET DW	3 Jun 1989	D92330	Birth	Hand	PASCHA	DEW 334		
					HEUBERGER	8 Aug 1989	_____	Transfer					
2160	F	3 Jun 1989	983	1278	PRET DW	3 Jun 1989	D92331	Birth	Hand	YALA	DEW 335		
					HEUBERGER	8 Aug 1989	_____	Transfer					
2161	M	5 Jun 1989	1274	2035	PRET DW	5 Jun 1989	D92266	Birth	Unknown	MA144	DEW 336	00-001C-B30D	
					PRET POT	15 Feb 1991	D92266	Transfer					
					PRET DW	22 Apr 1991	D92266	Transfer					
					HOEDSPRUI	12 Dec 1991	_____	Transfer					
2162	F	5 Jun 1989	1274	2035	PRET DW	5 Jun 1989	D92264	Birth	Unknown	FA142	KORDEW 337	00-0024-C087	
					PRET POT	15 Feb 1991	D92264	Transfer					
					BATTLE CR	15 Apr 1992	2162	Transfer					
2163	F	5 Jun 1989	1274	2035	PRET DW	5 Jun 1989	D92265	Birth	Unknown	CHEEZY	DEW 338	00-001C-BA25	
					PRET POT	15 Feb 1991	D92265	Transfer					
					PRETORIA	19 Mar 1993	903624	Transfer					
					CALDWELL	13 May 1993	002889	Transfer					
2173	M	3 Dec 1989	1842	1856	HIMEJI	3 Dec 1989	235	Birth	Parent	BLOODY	HCP 38		
					HAMAMATSU	5 Nov 1990	235	Transfer					
2176	F	3 Dec 1989	1842	1856	HIMEJI	3 Dec 1989	238	Birth	Unknown	PEPE	HCP 41		
					TOBE	21 Jul 1994	UNK____	Transfer					
2184	F	~ 1984	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	Parent	6 LIEH LIU			
					TAIPEI	10 Aug 1988	1980	Transfer					
2186	F	20 Jan 1990	1759	1686	FOTA	20 Jan 1990	137	Birth	Unknown	FWP 76	FWP 55	7F7F2A310C	
					MULHOUSE	1 Dec 1995	UNK	Loan to					
					PEAUGRES	2 Dec 1998	UNK	Transfer					
2188	F	20 Jan 1990	1759	1686	FOTA	20 Jan 1990	139	Birth	Unknown	CHARM	FWP 57	7F7F347662	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					TWYCROSS	20 Feb 1991	805	Loan to					
					EDINBURGH	26 Jan 1992	92AA02	Loan to					
					TWYCROSS	22 Mar 1994	805	Loan to					
					DALTON-IN	14 May 1997	UNK	Loan to					
					WHIPSSNADE	5 Sep 1999	UNK	Loan to					
2190	F	20 Jan 1990	1759	1686	FOTA	20 Jan 1990	80	Birth	Unknown	FWP 80	FWP 59	7F7F351330	
					TWYCROSS	20 Feb 1991	804	Loan to					
					MARWELL	1 Mar 1994	2518	Loan to					
					TWYCROSS	20 Jul 1994	804	Loan to					
					DALTON-IN	14 May 1997	UNK	Loan to					
					WHIPSSNADE	5 Sep 1999	UNK	Loan to					
2191	M	22 Feb 1990	1985	1986	FOTA	22 Feb 1990	142	Birth	Unknown	FWP 81	FWP 60	7F7F251A10	
2192	M	22 Feb 1990	1985	1986	FOTA	22 Feb 1990	143	Birth	Unknown	FWP 82	FWP 61	7F7F25482A	
					COLCHESTR	12 May 1994	1294	Loan to					
2193	M	27 Feb 1990	1619	1381	WASS BR C	27 Feb 1990		Birth	Unknown	NEGUS	WAS 65		
					CLEVELAND	30 Jul 1991	910728	Transfer					
					BATTLE CR	9 Oct 1995	95M18	Loan to					
2195	F	27 Feb 1990	1619	1381	WASS BR C	27 Feb 1990		Birth	Parent	NORAH	WAS 67		
					AMERSFOOR	2 Jul 1992	M984	Loan to					
					WASS BR C	18 Jan 1996	UNK	Transfer					
					AMERSFOOR	17 Apr 1996	M984	Transfer					
					WASS BR C	16 Jul 1996	UNK	Loan to					
					AMERSFOOR	26 Sep 1996	M984	Transfer					
2196	F	27 Feb 1990	1619	1381	WASS BR C	27 Feb 1990	M984	Birth	Parent	NICKY	WAS 68		
					SALZBURG	12 Mar 1991	M0010	Transfer					
2199	M	23 Mar 1990	1985	1684	FOTA	23 Mar 1990	145	Birth	Unknown	DUMA	FWP 63	7F7F46316D	
					ESKILSTUN	11 May 1994	FWP84	Loan to					
2203	F	1 Apr 1990	385	370	ST LOUIS	1 Apr 1990	090029	Birth	Hand	CHIKU	STL 28		
					NZP-WASH	12 Aug 1998	11343	Loan to					
2204	M	18 Apr 1990	591	592	TOLEDO	18 Apr 1990	900013	Birth	Unknown		TOL 9		
					BATONROUG	22 Aug 1991	M2420	Transfer					
					LUTHER	20 Aug 1997	UNK	Loan to					
2205	M	18 Apr 1990	591	592	TOLEDO	18 Apr 1990	900014	Birth	Unknown		TOL 10		
					BATONROUG	22 Aug 1991	M2421	Transfer					
					LUTHER	20 Aug 1998	UNK	Loan to					
2206	F	18 Apr 1990	591	592	TOLEDO	18 Apr 1990	900015	Birth	Unknown	CASSY	TOL 11		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					CLEVELAND	9 May 1991	910503	Transfer					
2207	F	18 Apr 1990	591	592	TOLEDO JACKSON	18 Apr 1990 11 May 1991 16 Jun 1991	900016 911022 911022	Birth Loan to Transfer	Unknown	SIMONE	TOL 12		
2214	F	26 Apr 1990	827	1644	EDINBURGH BANHAM KESSINGL BANHAM	26 Apr 1990 25 Jan 1992 20 Sep 1999 20 Oct 1999	90DB22 BZ241 UNK BZ241	Birth Transfer Transfer Loan to	Unknown	UMKHOSI	ED 4		
2218	M	3 May 1990	357	508	YULEE DICKERSON SACRAMNTO	3 May 1990 8 Nov 1991 19 Jun 1993	90309 3471 100895	Birth Loan to Loan to	Unknown	KALI	WO 15		
2220	M	3 May 1990	357	508	YULEE DICKERSON ST LOUIS	3 May 1990 8 Nov 1991 15 May 1992 6 Oct 1999	90311 3472 3472 UNK	Birth Loan to Transfer Loan to	Parent	RUKA	WO 17		
2223	F	3 May 1990	357	508	YULEE PHILADELP	3 May 1990 23 Apr 1991	90306 102269	Birth Transfer	Parent	SHABA	WO 20		
2224	F	3 May 1990	357	508	YULEE BATONROUG LUTHER	3 May 1990 7 Nov 1991 20 Aug 1998	90307 M2472 UNK	Birth Transfer Loan to	Unknown	NANDI	WO 21		
2227	M	18 Aug 1990	467	507	CHICAGOLP NY BRONX	18 Aug 1990 5 Feb 1991	9229 911045	Birth Loan to	Unknown	MASAI	LP 1		
2228	M	18 Aug 1990	467	507	CHICAGOLP NY BRONX	18 Aug 1990 5 Feb 1991	9231 911047	Birth Loan to	Unknown	MARA	LP 2		
2229	F	18 Aug 1990	467	507	CHICAGOLP NY BRONX	18 Aug 1990 5 Feb 1991	9230 911046	Birth Loan to	Unknown	AMBER	LP 3		
2231	M	9 Sep 1990	426	463	FOSSILRIM KNOXVILLE FOSSILRIM	9 Sep 1990 4 Mar 1993 17 Apr 1996	1051 1554 1051	Birth Transfer Transfer	Unknown	BART	FR 39		
2232	M	9 Sep 1990	426	463	FOSSILRIM	9 Sep 1990	1052	Birth	Unknown	TONKA	FR 40		
2233	F	9 Sep 1990	426	463	FOSSILRIM	9 Sep 1990	1053	Birth	Unknown	MOLLY	FR 41		
2234	F	9 Sep 1990	426	463	FOSSILRIM CINCINNAT	9 Sep 1990 24 Sep 1992	1054 192181	Birth Transfer	Unknown	MAYA	FR 42		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2235	M	13 Sep 1990	426	461	FOSSILRIM AUDUBON	13 Sep 1990 19 Nov 1992	1055 1502	Birth Transfer	Unknown	MOJA	FR 43		
2237	F	28 Apr 1990	1836	1844	HIMEJI TOKYOTAMA HAMAMATSU	28 Apr 1990 5 Dec 1990 24 Mar 1997	240 241 NONE	Birth Transfer Loan to	Unknown	ANZU	HCP 42		
2241	F	16 Sep 1990	524	368	WINSTON RIO GRAND WINSTON CAPE MAY	16 Sep 1990 16 Sep 1990 19 Sep 1990 24 Feb 1998	130032 M90091 130032 UNK	Birth Ownership Loan to Transfer	Parent	CAMILLA	WS 108		
2242	F	20 Oct 1990	454	459	TORONTO ROCKTON TORONTO	20 Oct 1990 20 Oct 1990 7 Jul 1997	26035 930002 NONE	Birth Ownership Transfer	Hand	CHIQUITA	TOR 11		
2243	F	7 Nov 1990	545	1763	JACKSON ALBANY NY	7 Nov 1990 29 Jul 1997	901044 UNK	Birth Loan to	Hand	TY	JAC 1		
2247	M	28 Nov 1990	1604	1605	KREFELD EBERSWALD	28 Nov 1990 8 Oct 1991	453 386	Birth Loan to	Hand	MASSAI	KR 11	000008FCD2	
2248	M	28 Nov 1990	1604	1605	KREFELD EBERSWALD ROSTOCK	28 Nov 1990 8 Oct 1991 17 Dec 1999	454 385 UNK	Birth Loan to Loan to	Hand	BEBE	KR 12	00002066A9	
2249	M	6 Dec 1990	1619	1739	WASS BR C HERBERSTN	6 Dec 1990 8 Dec 1992	_____ _____	Birth Transfer	Hand	PADDY	WAS 70		
2250	M	6 Dec 1990	1619	1739	WASS BR C ARNHEM	6 Dec 1990 27 May 1992	_____ 4478	Birth Transfer	Unknown	PADOUK	WAS 71		
2251	M	6 Dec 1990	1619	1739	WASS BR C SIGEAN	6 Dec 1990 2 Jul 1991	_____ SI34	Birth Transfer	Unknown	PIKE	WAS 72		
2252	M	6 Dec 1990	1619	1739	WASS BR C SERRANOVA	6 Dec 1990 9 Apr 1992	_____ _____	Birth Transfer	Hand	PINO	WAS 73		
2255	F	6 Dec 1990	1619	1739	WASS BR C EBERSWALD	6 Dec 1990 22 May 1992	_____ 384	Birth Transfer	Hand	PEPPER	WAS 76		
2256	F	6 Dec 1990	1619	1739	WASS BR C	6 Dec 1990	_____	Birth	Hand	PRINCESS	WAS 77		
2264	F	~ 1986	WILD	WILD	NAMIBIA TSAOBIS	~ 1986 ~ Aug 1986	NONE _____	Capture Transfer	Parent	TIMID			
2268	M	~ 1989	WILD	WILD	NAMIBIA	~ 1989	NONE	Capture	Parent	DUMA			



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					TSAOBIS	~ Oct 1989		Transfer					
2275	M	~ 1988	WILD	WILD	NAMIBIA	~ 1990	NONE	Capture	Parent	TANKU			
					MITO CHO	31 Aug 1990		Transfer					
2280	M	~ 1985	WILD	WILD	NAMIBIA	~ 1989	NONE	Capture	Parent	CEASAR			
					OUDTSHORN	11 Aug 1989	018	Transfer					
					SUTTONCRF	1 Nov 1990		Transfer					
2281	M	~ 1985	WILD	WILD	NAMIBIA	~ 1989	NONE	Capture	Parent	SPIDER			
					OUDTSHORN	18 May 1989	002	Transfer					
					SUTTONCRF	1 Nov 1990		Transfer					
2286	M	~ 1988	WILD	WILD	NAMIBIA	~ 1989	NONE	Capture	Parent	ALLEY			
					OUDTSHORN	9 Jan 1990	004	Transfer					
					SUTTONCRF	1 Nov 1990		Transfer					
2288	F	~ 1988	WILD	WILD	NAMIBIA	~ Nov 1989	NONE	Capture	Parent	ZENITH			
					OUDTSHORN	9 Jan 1990	029	Transfer					
					SUTTONCRF	1 Nov 1990		Transfer					
2289	F	~ 1988	WILD	WILD	NAMIBIA	~ Nov 1989	NONE	Capture	Parent	BANDEE			
					OUDTSHORN	9 Jan 1990	026	Transfer					
					SUTTONCRF	1 Nov 1990		Transfer					
2290	F	~ 1988	WILD	WILD	NAMIBIA	~ Jun 1988	NONE	Capture	Parent	ZERO			
					OUDTSHORN	15 Sep 1988	001	Transfer					
					SUTTONCRF	1 Nov 1990		Transfer					
2291	F	14 Feb 1988	1819	1803	OUDTSHORN	14 Feb 1988	011	Transfer	Unknown			CC 34	
					POLARPARK	27 Nov 1990		Transfer					
2294	F	13 Apr 1988	1789	1037	OUDTSHORN	13 Apr 1988	010	Birth	Unknown	SHARO		CC 33	
					POLARPARK	27 Nov 1990		Transfer					
2301	F	19 Oct 1989	1801	2279	OUDTSHORN	19 Oct 1989		Birth	Unknown			CC 40	
					POLARPARK	27 Nov 1990		Transfer					
2305	M	20 Oct 1990	1819	2284	OUDTSHORN	20 Oct 1990		Birth	Hand	SIGMA		CC 44	00001086DBT
2306	M	20 Oct 1990	1819	2284	OUDTSHORN	20 Oct 1990		Birth	Hand	INCA		CC 45	
					BACKHELLI	26 Nov 1992	NONE	Transfer					
					KRAAIFONT	5 Dec 1993	93M112	Loan to					
					STELLENBO	1 Jan 1997	UNK	Transfer					
2307	F	20 Oct 1990	1819	2284	OUDTSHORN	20 Oct 1990		Birth	Hand	MIA		CC 46	
					BANGKOK	~ Jul 1994		Transfer					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					KORAT	2 Nov 1995	UNK	Transfer					
2346	M	21 Aug 1990	1873	1875	NEUWIEDRH	21 Aug 1990	0219DB	Birth	Unknown	JOOP	NRZ 12		
					LANDAU	14 Mar 1995	UNK	Loan to					
2347	M	21 Aug 1990	1873	1875	NEUWIEDRH	21 Aug 1990	923777	Birth	Unknown		NRZ 13		
					HEIDELBRG	4 Aug 1992	923777	Loan to					
					NEUWIED	20 Jul 1999	923777	Loan to					
2352	M	18 Oct 1990	530	375	SD-WAP	18 Oct 1990	690667	Birth	Parent	KOPA	SD 86		
					PHOENIX	22 Aug 1991	6229	Loan to					
					WINSTON	2 Jan 1992	920006	Transfer					
2355	M	5 Mar 1990	2030	2071	PRET DW	5 Mar 1990	D92293	Birth	Unknown	MA157	DEW 341		
					WHIPSSNADE	3 Jan 1991	L1668	Transfer					
					MARWELL	18 Aug 1998	UNK	Transfer					
					WHIPSSNADE	13 Nov 1998	L1668	Loan to					
					MARWELL	21 Jan 1999	UNK	Loan to					
2359	M	29 Mar 1990	1274	2028	PRET DW	29 Mar 1990	D92276	Birth	Unknown	CHESTER	DEW 345	00-0020-30E5	
					PRET POT	5 Apr 1993	D92276	Transfer					
					PRETORIA	6 Apr 1993	903694	Transfer					
					CALDWELL	13 May 1993	002888	Transfer					
2363	F	14 Apr 1990	2030	1278	PRET DW	14 Apr 1990	D92092	Birth	Unknown	FE010	DEW 349	20-3EE2	
					PRET POT	27 May 1993	P93046	Transfer					
					PRETORIA	23 Nov 1993	904138	Transfer					
					PRET POT	23 Feb 1994	P93046	Transfer					
					HOEDSPRUI	16 Feb 1999	UNK	Loan to					
2365	M	21 Apr 1990	1277	2063	PRET DW	21 Apr 1990	D92295	Birth	Unknown	MA159	DEW 351	20-3AEE	
					PRET POT	14 May 1993	P93065	Transfer					
					HOEDSPRUI	16 Feb 1999	UNK	Loan to					
2366	F	21 Apr 1990	1277	2063	PRET DW	21 Apr 1990	D92277	Birth	Unknown	FWP 125	DEW 352		
					WHIPSSNADE	3 Jan 1991	L1669	Transfer					
					FOTA	8 Apr 1994	969	Loan to					
2367	M	24 Apr 1990	1580	1667	WHIPSSNADE	24 Apr 1990	L1056	Birth	Unknown	LINFORD	WH 127		
2368	M	24 Apr 1990	1580	1667	WHIPSSNADE	24 Apr 1990	L1057	Birth	Unknown	ELLIOT	WH 128		
					EDINBURGH	13 Jul 1997	UNK	Loan to					
2369	F	24 Apr 1990	1580	1667	WHIPSSNADE	24 Apr 1990	L1058	Birth	Unknown	FLOJO	WH 129		
					LA FLECHE	11 Aug 1993	_____	Loan to					
					FONTAINE	28 Feb 1995	NONE	Loan to					
					LA FLECHE	28 Apr 1996	UNK	Loan to					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2370	M	27 Apr 1990	1391	1606	HOEDSPRUI TIJUANA	27 Apr 1990 21 Jun 1994	MA014 _____	Birth Transfer	Unknown	KWAAITJIE	HOE 1		
2371	M	27 Apr 1990	1391	1606	HOEDSPRUI SRI LANK	27 Apr 1990 9 Nov 1996	MA015 UNK	Birth Transfer	Unknown	SWARTJIE	HOE 2		
2378	M	13 Jul 1990	1391	1423	HOEDSPRUI	13 Jul 1990	MA017	Birth	Unknown	VLEKKIE	HOE 5		
2379	F	13 Jul 1990	1391	1423	HOEDSPRUI TIJUANA	13 Jul 1990 21 Jun 1994	FA002 _____	Birth Transfer	Unknown	SARIE	HOE 6		
2380	F	13 Jul 1990	1391	1423	HOEDSPRUI TIJUANA	13 Jul 1990 21 Jun 1994	FA003 _____	Birth Transfer	Unknown	MARAIS	HOE 7		
2396	M	5 Nov 1987	WILD	2389	NAMIBIA VARADAY HOEDSPRUI	~ 1988 1 Feb 1988 1 Jul 1989	NONE NONE MA007	Capture Transfer Transfer	Unknown	NEVADAH			
2398	M	5 Nov 1987	WILD	2389	NAMIBIA VARADAY HOEDSPRUI	~ 1988 1 Feb 1988 1 Jul 1989	NONE NONE MA009	Capture Transfer Transfer	Unknown	CHAKA			
2399	M	~ 1989	WILD	2388	S.AFRICAR VARADAY HOEDSPRUI	~ 1989 1 Feb 1989 1 Jul 1989	NONE NONE MA012	Capture Transfer Transfer	Unknown	NKOZI			
2400	F	~ 1989	WILD	2388	S.AFRICAR VARADAY HOEDSPRUI	~ 1989 1 Feb 1989 1 Jul 1989	NONE NONE FA013	Capture Transfer Transfer	Unknown	MANKOZI			
2401	F	18 Aug 1989	WILD	WILD	S.AFRICAR HOEDSPRUI	1 Oct 1989 10 Oct 1989	NONE FA034	Capture Transfer	Parent	HANSINAH			
2404	M	~ 1978	WILD	WILD	NAMIBIA TULA	1 Aug 1988 1 Oct 1988	NONE _____	Capture Transfer	Parent	CHONDRA			
2406	M	~ 1980	WILD	WILD	ZIMBABWE BULAWAYO	1 Jun 1990 1 Jul 1990	NONE _____	Capture Transfer	Parent				
2407	M	~ 1980	WILD	WILD	ZIMBABWE BULAWAYO	1 Jun 1990 1 Jul 1990	NONE _____	Capture Transfer	Parent				
2408	F	~ 1980	WILD	WILD	ZIMBABWE BULAWAYO	1 Jun 1990 1 Jul 1990	NONE _____	Capture Transfer	Parent				
2409	F	~ 1980	WILD	WILD	ZIMBABWE	1 Jun 1990	NONE	Capture	Parent				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					BULAWAYO	1 Jul 1990		Transfer					
2410	F	~ 1980	WILD	WILD	ZIMBABWE	1 Jun 1990	NONE	Capture	Parent				
					BULAWAYO	1 Jul 1990		Transfer					
2411	F	~ 1980	WILD	WILD	ZIMBABWE	1 Jun 1990	NONE	Capture	Parent				
					BULAWAYO	1 Jul 1990		Transfer					
2412	F	~ 1980	WILD	WILD	ZIMBABWE	1 Jun 1990	NONE	Capture	Parent				
					BULAWAYO	1 Jul 1990		Transfer					
2413	M	3 Jan 1991	1853	1849	HIMEJI	3 Jan 1991	251	Birth	Unknown	HANTH	HCP 49		
					TOBE	21 Jul 1995		Transfer					
						1 Jan 2000		Death					
2415	F	3 Jan 1991	1853	1849	HIMEJI	3 Jan 1991	HC72	Birth	Unknown	JEENA	HCP 51		
					TOMIOKA	19 Dec 1991	253	Transfer					
2418	M	14 Jan 1991	239	531	SD-WAP	14 Jan 1991	691023	Birth	Parent	NYIKA	SD 87		
2419	F	14 Jan 1991	239	531	SD-WAP	14 Jan 1991	691024	Birth	Unknown	SELUKE	SD 88		
					RIO GRAND	2 Oct 1991	M91064	Transfer					
2421	F	14 Jan 1991	239	531	SD-WAP	14 Jan 1991	691026	Birth	Parent	TULI	SD 90		
					SACRAMNTO	10 Mar 1992	100863	Transfer					
2422	M	21 Jan 1991	466	436	SD-WAP	21 Jan 1991	691033	Birth	Parent	MALAWI	SD 91		
2424	F	21 Jan 1991	466	436	SD-WAP	21 Jan 1991	691035	Birth	Parent	CHELSEA	SD 93		
					SACRAMNTO	10 Mar 1992	100862	Transfer					
2425	F	21 Jan 1991	466	436	SD-WAP	21 Jan 1991	691036	Birth	Parent	BINDURA	SD 94		
2429	M	1 Apr 1991	1604	1605	KREFELD	1 Apr 1991	465	Birth	Unknown	TEUK	KR 13		
					ARNHEM	24 Jun 1992	4570	Loan to					
2430	F	1 Apr 1991	1604	1605	KREFELD	1 Apr 1991	466	Birth	Unknown	TANJA	KR 14		
					ARNHEM	24 Jun 1992	4571	Loan to					
2435	M	12 May 1991	357	508	YULEE	12 May 1991	91302	Birth	Parent	MOJA	WO 22		
					LOUISVILL	8 Jun 1994	101530	Loan to					
2436	M	12 May 1991	357	508	YULEE	12 May 1991	91303	Birth	Parent	GORDON	WO 23		
					LOUISVILL	8 Jun 1994	101531	Loan to					
2437	F	12 May 1991	357	508	YULEE	12 May 1991	91304	Birth	Parent	SERENA	WO 24		
					WINSTON	27 May 1993	930087	Loan to					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					CAPE MAY	10 Apr 1998	UNK	Loan to					
2439	F	12 May 1991	357	508	YULEE DUBBO	12 May 1991 18 Apr 1995	91305 950078	Birth Transfer	Parent	DANI	WO 26		
2440	F	12 May 1991	357	508	YULEE WINSTON	12 May 1991 16 Jun 1993	91306 930086	Birth Loan to Transfer	Parent	LENANA	WO 27		
					CAPE MAY	10 Apr 1998	UNK	Loan to					
2441	M	3 May 1991	2385	2393	HOEDSPRUI	3 May 1991	_____	Birth	Unknown	BOYTJIE	HOE 8		
2442	F	3 May 1991	2385	2393	HOEDSPRUI TIJUANA	3 May 1991 21 Jun 1994	_____ _____	Birth Transfer	Unknown	MITZI	HOE 9		
2443	F	3 May 1991	2385	2393	HOEDSPRUI TIJUANA	3 May 1991 21 Jun 1994	_____ _____	Birth Transfer	Unknown	ELSIE	HOE 10		
2444	M	24 May 1991	467	507	CHICAGOLP OKLAHOMA	24 May 1991 2 Oct 1991 28 Sep 1992	9359 566229 566229	Birth Loan to Transfer	Hand	MINGO	LP 5		
2445	M	24 May 1991	467	507	CHICAGOLP JACKSONVL	24 May 1991 4 Oct 1991	9360 891100	Birth Transfer	Hand	CHIMOLO	LP 6		
2446	M	24 May 1991	467	507	CHICAGOLP JACKSONVL	24 May 1991 4 Oct 1991	9361 891101	Birth Transfer	Hand	CHINSALI	LP 7		
2447	M	24 May 1991	467	507	CHICAGOLP MONTGOMRY	24 May 1991 11 Sep 1991 8 Sep 1992	9362 645 645	Birth Loan to Ownership	Hand	ETHAN	LP 8		
2448	M	24 May 1991	467	507	CHICAGOLP MONTGOMRY	24 May 1991 11 Sep 1991 8 Sep 1992	9363 644 644	Birth Loan to Ownership	Hand	EMMET	LP 9		
2451	M	1 Jun 1991	1727	1737	GLASGOW BANHAM NORDITALI	1 Jun 1991 30 Nov 1992 29 Mar 1994	M01360 BZ1018 _____	Birth Loan to Loan to	Parent		GZ 2		
2452	F	1 Jun 1991	1727	1737	GLASGOW BANHAM ESKILSTUN	1 Jun 1991 30 Nov 1992 29 Apr 1994	M01361 BZ1017 BZ1017	Birth Loan to Loan to	Parent	MARA	GZ 3		
2453	F	1 Jun 1991	1727	1737	GLASGOW BANHAM NORDITALI	1 Jun 1991 30 Nov 1992 29 Mar 1994	M01362 BZ1016 _____	Birth Loan to Loan to	Parent		GZ 4		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2454	F	1 Jun 1991	1727	1737	GLASGOW LA FLECHE FONTAINE	1 Jun 1991 27 May 1993 26 Apr 1996	M01363 _____ UNK	Birth Transfer Transfer	Parent	SARAH	GZ 5		
2456	M	3 Jun 1991	2394	1577	HOEDSPRUI TIJUANA	3 Jun 1991 21 Jun 1994	_____ _____	Birth Transfer	Unknown	LOUIS	HOE 12		
2457	M	3 Jun 1991	2394	1577	HOEDSPRUI KUNCHANB	3 Jun 1991 3 Apr 1997	_____ UNK	Birth Transfer	Unknown	LEEN	HOE 13		
2458	F	3 Jun 1991	2394	1577	HOEDSPRUI TIJUANA	3 Jun 1991 21 Jun 1994	_____ _____	Birth Transfer	Unknown	LIENTJIE	HOE 14		
2459	M	8 Jun 1991	1782	1892	FOTA ESKILSTUN	8 Jun 1991 11 May 1994	149 FWP88	Birth Loan to	Unknown	SONGO	FWP 66	0000093782	
2465	F	8 Jun 1991	454	459	TORONTO ROCKTON	8 Jun 1991 7 May 1993 1 Jan 1997	26531 930006 NONE	Birth Loan to Transfer	Unknown	NEEMA	TOR 14		
2468	F	22 Jun 1991	MULT	431	FOSSILRIM	22 Jun 1991	1059	Birth	Unknown	REBA	FR 47		
2472	F	29 Mar 1991	1274	2028	PRET DW WUPPERTAL WASS BR C WUPPERTAL	29 Mar 1991 10 Mar 1992 20 Jul 1993 9 Sep 1993	D92308 92017 _____ 92017	Birth Transfer Loan to Transfer	Unknown	FA190	ANNDEW 357	00-001F-DA80	
2475	M	29 Mar 1991	1274	2028	PRET DW PRET POT PRETORIA PRET POT HOEDSPRUI	29 Mar 1991 27 May 1993 16 Oct 1996 8 Jan 1997 12 Feb 1999	D92311 P93082 NONE NONE UNK	Birth Transfer Loan to Loan to Loan to	Unknown	MA193	DEW 360	00-021-3258	
2477	M	1 Apr 1991	1274	2071	PRET DW	1 Apr 1991	D92306	Birth	Unknown	MA188	DEW 362	00-0021-5A27	
2480	F	17 Apr 1991	1274	2063	PRET DW	17 Apr 1991	D92314	Birth	Unknown	FA196	DEW 365	00-0021-6648	
2481	M	17 Apr 1991	1274	2063	PRET DW GREULICH HUIZEN FD ~	17 Apr 1991 2 Dec 1991 1 Oct 1995	D92313 _____ UNK	Birth Transfer Transfer	Hand	MA195	TERDEW 366	00-001C-4487	
2485	M	18 Apr 1991	2089	2091	PRET DW PRET POT PRETORIA	18 Apr 1991 27 May 1993 15 Feb 1999	D92107 P93048 UNK	Birth Transfer Loan to	Unknown	ME016	DEW 370	00-0020-2B86	
2486	F	18 Apr 1991	2089	2091	PRET DW	18 Apr 1991	D92108	Birth	Hand	FE017	MOPDEW 371	00-001C-4258	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					WUPPERTAL	10 Mar 1992	92018	Transfer					
2487	F	30 Apr 1991	1274	2035	PRET DW	30 Apr 1991	D02315	Birth	Hand	FA197	CORDEW 372	00-001F-D09A	
					GREULICH	2 Dec 1991	_____	Transfer					
					WASS BR C	7 Feb 1994	_____	Loan to					
					GREULICH	20 Apr 1994	_____	Transfer					
2489	F	4 May 1991	1274	2094	PRET DW	4 May 1991	D92302	Birth	Unknown	PAVLA	DEW 374	00-0025-D453	
					POLARPARK	19 May 1992	_____	Transfer					
2495	F	11 May 1991	2089	2113	PRET DW	11 May 1991	D92300	Birth	Unknown	FA176	DEW 380	00-001F-E3D8	
					PRET POT	27 May 1993	P93070	Transfer					
					MUNICH	1 Sep 1993	058008	Transfer					
2500	M	19 Feb 1991	1760	1620	WASS BR C	19 Feb 1991	_____	Birth	Unknown	QUICK	WAS 78		
					BARCELONA	30 May 1994	4166	Transfer					
2501	F	19 Feb 1991	1760	1620	WASS BR C	19 Feb 1991	_____	Birth	Unknown	QENA	WAS 79		
					HERBERSTN	8 Dec 1992	_____	Transfer					
2502	F	19 Feb 1991	1760	1620	WASS BR C	19 Feb 1991	_____	Birth	Unknown	QUINTA	WAS 80		
					SERRANOVA	9 Apr 1992	_____	Transfer					
2503	F	19 Feb 1991	1760	1620	WASS BR C	19 Feb 1991	_____	Birth	Parent	QUESTA	WAS 81		
2510	M	7 May 1991	1466	1470	DVURKRALV	7 May 1991	DK15	Birth	Parent	NAIRO	VC 15		
					WASS BR C	14 Dec 1994	_____	Transfer					
					DORTMUND	4 Jun 1997	NONE	Transfer					
						14 Jun 1997	NONE	Loan to					
					WASS BR C	24 Mar 1999	UNK	Loan to					
2511	F	7 May 1991	1466	1470	DVURKRALV	7 May 1991	DK16	Birth	Unknown	ARUA	VC 16		
					DORTMUND	17 Mar 1993	052007	Transfer					
					WASS BR C	1 Oct 1998	UNK	Transfer					
					DORTMUND	24 Mar 1999	UNK	Loan to					
2512	F	7 May 1991	1466	1470	DVURKRALV	7 May 1991	DK17	Birth	Unknown	KIGELI	VC 17		
					BRNO	1 Feb 1993	_____	Transfer					
					DVURKRALV	19 Mar 1998	UNK	Loan to					
2519	F	~ 1985	WILD	WILD	NAMIBIA	~ Jan 1985	NONE	Capture	Parent	CHELSEA			
					JAKARTA	16 Jun 1985	_____	Transfer					
2523	M	~ 1987	WILD	WILD	NAMIBIA	~ 1987	NONE	Capture	Parent	BONNY			
					MOSCOW	16 May 1991	910056	Transfer					
2524	M	~ 1988	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	Parent	ARGO			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					MOSCOW	16 May 1991	910059	Transfer					
2526	F	~ 1988	WILD	WILD	NAMIBIA	~ 1988	NONE	Capture	Parent	ANGA			
					MOSCOW	16 May 1991	910061	Transfer					
2533	F	~ 1991	WILD	WILD	NAMIBIA	~ May 1991	NONE	Capture	Parent	VEGA			
					TOMIOKA	4 Oct 1991	271	Transfer					
2536	M	1 Jun 1991	UNK	UNK	NETHERLND	1 Jun 1991		Birth	Parent	GRETA			
					AYWAILLE	24 Jan 1994	920110	Transfer					
					HUIZEN FD	30 May 1998	UNK	Transfer					
2543	M	~ Jul 1991	WILD	WILD	NAMIBIA	~ Jul 1991	NONE	Capture	Parent	DUZIE			
					HOEDSPRUI	27 Oct 1991	_____	Transfer					
2544	F	~ Jul 1991	WILD	WILD	NAMIBIA	~ Jul 1991	NONE	Capture	Parent	SUZIE			
					HOEDSPRUI	27 Oct 1991	_____	Transfer					
2545	M	~ Sep 1991	WILD	WILD	S.AFRICAR	~ Sep 1991	NONE	Capture	Parent	KARELTJIE			
					HOEDSPRUI	~ Oct 1991	_____	Transfer					
2548	F	7 Jun 1991	952	1700	HUIZEN FD	7 Jun 1991	_____	Birth	Unknown		EAF 24		
					OLMENSE	~ 1 Dec 1995	UNK	Transfer					
2552	M	~ Aug 1991	WILD	WILD	S.AFRICAR	~ Aug 1991	NONE	Capture	Parent	MOSSIE			
					HOEDSPRUI	~ Oct 1991	_____	Transfer					
2553	F	~ Aug 1991	WILD	WILD	S.AFRICAR	~ Aug 1991	NONE	Capture	Parent	IDA			
					HOEDSPRUI	~ Oct 1991	_____	Transfer					
2556	F	22 Jun 1991	2518	2527	MADRID Z	22 Jun 1991	GU8	Birth	Hand	WINNY	ZM 3		
					BARCELONA	25 Oct 1995	UNK	Loan to					
					MADRID Z	30 Oct 1997	NONE	Loan to					
					SELWO	21 Oct 1999	UNK	Loan to					
2559	M	3 Jul 1991	1890	1686	FOTA	3 Jul 1991	153	Birth	Unknown		FWP 92	000092AE6-MC	
2562	F	3 Jul 1991	1890	1686	FOTA	3 Jul 1991	156	Birth	Unknown		FWP 95	000008F4BE-MC	
					DUBLIN	21 Apr 1995	MO23	Loan to					
					FOTA	1 Nov 1995	156	Transfer					
2566	M	31 Aug 1991	426	463	FOSSILRIM	31 Aug 1991	1063	Birth	Unknown	GARTH	FR 51		
					SANFORD	22 Jun 1995	1406	Loan to					
2567	F	31 Aug 1991	426	463	FOSSILRIM	31 Aug 1991	1064	Birth	Parent	DOLLY	FR 52	00000D4AEO	
					BIRMINGHM	15 Oct 1993	2668	Transfer					



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2570	M	1 Oct 1991	1307	1608	HOEDSPRUI TIJUANA	1 Oct 1991 21 Jun 1994	_____	Birth Transfer	Unknown	THEUNS	HOE 16		
2572	M	1 Oct 1991	1307	1608	HOEDSPRUI DVURKRALV	1 Oct 1991 5 Feb 1997	_____	Birth Transfer	Unknown	TEWIE	HOE 18		
2573	M	1 Oct 1991	1307	1608	HOEDSPRUI KUNCHANB	1 Oct 1991 3 Apr 1997	_____	Birth Transfer	Unknown	TARZAN	HOE 19		
2574	F	1 Oct 1991	1307	1608	HOEDSPRUI TIJUANA	1 Oct 1991 21 Jun 1994	_____	Birth Transfer	Unknown	TOETSIE	HOE 20		
2580	M	29 Nov 1991	1857	2099	HIMEJI TOMIOKA	29 Nov 1991 24 Nov 1993	275 HC-81	Birth Loan to	Unknown	FAUNA	HCP 59		
2581	M	~ 1983	WILD	WILD	NAMIBIA SAFARIWOR	~ 1986 ~ 1987	NONE NONE	Capture Transfer	Parent	DOKRAK			
2582	M	~ 1984	WILD	WILD	NAMIBIA SAFARIWOR	~ 1986 ~ 1987	NONE NONE	Capture Transfer	Parent	BIRD			
2584	M	~ 1986	WILD	WILD	NAMIBIA SAFARIWOR	~ 1986 ~ 1987	NONE NONE	Capture Transfer	Parent	CHERRIE			
2587	M	~ Jan 1986	WILD	WILD	NAMIBIA USAKOS	~ May 1986 ~ Aug 1986	NONE _____	Capture Transfer	Parent	Romeo			
2588	M	~ 1989	WILD	WILD	NAMIBIA HANSSEN	~ Jun 1989 ~ Feb 1991	NONE _____	Capture Transfer	Parent	CAESAR			
2591	F	~ May 1990	WILD	WILD	NAMIBIA HANSSEN	~ May 1990 ~ May 1990	NONE _____	Capture Transfer	Parent	CHINGA			
2608	F	~ 1980	WILD	WILD	NAMIBIA HAVANA	~ Jun 1982 1 Nov 1982	NONE 12	Capture Transfer	Parent				
2613	F	~ 1983	WILD	WILD	NAMIBIA HEIN KRAAIFONT	~ Jan 1985 1 Feb 1985 8 Aug 1985	NONE _____ 85F01	Capture Transfer Transfer	Parent	DARK			
2615	F	~ 1983	WILD	WILD	NAMIBIA HEIN KRAAIFONT	~ Jan 1985 1 Feb 1985 8 Aug 1985	NONE _____ 85F03	Capture Transfer Transfer	Parent				
2618	F	~ May 1984	WILD	WILD	NAMIBIA ZOOLANDIA	~ May 1986 22 Jul 1986	NONE _____	Capture Transfer	Parent				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2619	F	~ 1987	WILD	WILD	S.AFRICAR PRET DW	~ Jan 1988 ~ 1988	NONE D92273	Capture Transfer	Parent	POTTIES FE		20-3728	
2622	M	~ 1988	WILD	WILD	NAMIBIA PRET POT STEENKAMP	~ Sep 1991 5 Oct 1991 6 Mar 1996	NONE MA181 UNK	Capture Transfer Transfer	Parent			00-001F-DF30	
2624	M	~ 1988	WILD	WILD	NAMIBIA JAPAN HAVANA	~ Jun 1988 ~ Nov 1988 9 Dec 1988	NONE NONE 14	Capture Transfer Transfer	Parent				
2626	M	~ 1990	WILD	WILD	NAMIBIA TOKYOTAMA	~ Oct 1990 12 Jan 1991	NONE 242	Capture Transfer	Parent	HIBA			
2627	F	~ 1991	WILD	WILD	NAMIBIA TOKYOTAMA	~ Jan 1991 8 Jun 1991	NONE 245	Capture Transfer	Parent	NEMU			
2628	F	~ 1991	WILD	WILD	NAMIBIA TOKYOTAMA	~ Jan 1991 8 Jun 1991	NONE 244	Capture Transfer	Parent	AYAME			
2629	M	~ 1989	WILD	WILD	NAMIBIA PRET POT STEENKAMP	~ Aug 1990 5 Oct 1991 6 Mar 1996	NONE MA187 UNK	Capture Transfer Transfer	Parent			00-0020-D494	
2632	M	~ Jul 1990	WILD	WILD	S.AFRICA PRET POT PRET LICH	15 Apr 1991 23 Apr 1991 27 Nov 1996	NONE P93067 NONE	Capture Transfer Loan to	Parent	MA172		00-0021-35D8	
2633	F	~ Jul 1990	WILD	WILD	S.AFRICAR PRET POT HOEDSPRUI	15 Apr 1991 23 Apr 1991 15 Feb 1999	NONE P93069 UNK	Capture Transfer Loan to	Parent	FA174		00-0024-DB32	
2634	F	~ Jul 1990	WILD	WILD	S.AFRICA PRET POT HOEDSPRUI	15 Apr 1991 23 Apr 1991 15 Feb 1999	NONE P93068 UNK	Capture Transfer Loan to	Parent	FA173		00-001C-B9CC	
2635	M	~29 Jun 1991	WILD	WILD	NAMIBIA PRET POT PRETORIA PRET DW	~ Aug 1991 5 Oct 1991 28 Jan 1992 10 Apr 1992	NONE MA185 902376 D92305	Capture Transfer Transfer Transfer	Parent	MA185		00-001C-C3B1	
2636	M	~ Jul 1991	WILD	WILD	NAMIBIA PRET POT HOEDSPRUI	3 Aug 1991 5 Oct 1991 15 Feb 1999	NONE MA184 UNK	Capture Transfer Loan to	Parent			00-0024-C9C3	
2637	M	~ Jul 1991	WILD	WILD	NAMIBIA PRET POT	3 Aug 1991 5 Oct 1991	NONE MA182	Capture Transfer	Parent	MA182		00-0021-36BB	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					HOEDSPRUI	15 Feb 1999	UNK	Loan to					
2638	F	~ Jul 1991	WILD	WILD	NAMIBIA	3 Aug 1991	NONE	Capture	Parent			00-001F-DAA4	
					PRET POT	5 Oct 1991	FA183	Transfer					
					HOEDSPRUI	16 Feb 1999	UNK	Loan to					
2641	F	28 Aug 1991	2524	2526	MOSCOW	28 Aug 1991	910088	Birth	Unknown	GAECHKA	MOS 55		
2647	M	7 Sep 1991	1985	1986	FOTA	7 Sep 1991	157	Birth	Unknown		FWP 96	00-0002-576C	
2649	F	7 Sep 1991	1985	1986	FOTA	7 Sep 1991	160	Birth	Unknown		FWP 99	00-0008-473B	
					DUBLIN	21 Apr 1995	95MO22	Loan to					
					FOTA	1 Nov 1995	160	Transfer					
2653	M	24 Dec 1991	1527	1381	WASS BR C	24 Dec 1991	_____	Birth	Hand	REZAH	WAS 84		
					KATOWICE	7 Dec 1992	_____	Transfer					
2654	F	24 Dec 1991	1527	1381	WASS BR C	24 Dec 1991	2151	Birth	Hand	ROMY	WAS 85		
					KATOWICE	7 Dec 1992	2150	Transfer					
2655	M	8 Oct 1991	584	405	YULEE	8 Oct 1991	91333	Birth	Parent	HALLA	WO 28		
					NASHVILLE	28 Sep 1999	1332	Transfer					
2659	M	21 Dec 1991	545	1763	JACKSON	21 Dec 1991	911066	Birth	Hand	KALEB	JAC 4		
					NZP-WASH	18 Jun 1992	110681	Loan to					
2661	F	21 Dec 1991	545	1763	JACKSON	21 Dec 1991	911065	Birth	Hand	KANYA	JAC 6		
					ALBANY NY	29 Jul 1997	UNK	Loan to					
2662	M	30 Jul 1991	2278	2279	OUDTSHORN	30 Jul 1991	_____	Birth	Parent	CASSIDY	CC 48		
					RANGOON	25 Jun 1993	_____	Transfer					
2663	M	30 Jul 1991	2278	2279	OUDTSHORN	30 Jul 1991	_____	Birth	Parent	ASTRO	CC 49	00001E1A4ET	
2664	F	30 Jul 1991	2278	2279	OUDTSHORN	30 Jul 1991	_____	Birth	Parent	CLASSIQUE	CC 50		
					RANGOON	25 Jun 1993	_____	Transfer					
2665	M	12 Oct 1991	2282	1829	OUDTSHORN	12 Oct 1991	_____	Birth	Hand	JAY	CC 51		
					JERUSALEM	6 May 1994	424	Transfer					
2666	F	12 Oct 1991	2282	1829	OUDTSHORN	12 Oct 1991	_____	Birth	Hand	DAMARA	CC 52	000010599FT	
2667	F	12 Oct 1991	2282	1829	OUDTSHORN	12 Oct 1991	_____	Birth	Hand	SULTANA	CC 53		
					POLARPARK	27 Jan 1994	_____	Transfer					
					QUALICUM	~ Jan 1998	UNK	Transfer					
2668	F	13 Oct 1991	1819	2284	OUDTSHORN	13 Oct 1991	_____	Birth	Hand	JUMA	CC 54		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					POLARPARK	27 Jan 1994		Transfer					
					ROCKTON	24 May 1998	UNK	Transfer					
2670	F	13 Oct 1991	1819	2284	OUDTSHORN	13 Oct 1991		Birth	Hand	SHAMAYA	CC 56		
2674	M	14 Feb 1992	1307	2391	HOEDSPRUI	14 Feb 1992		Birth	Parent	DARIE	HOE 22		
					TIJUANA	21 Jun 1994		Transfer					
2676	M	14 Feb 1992	1307	2391	HOEDSPRUI	14 Feb 1992		Birth	Parent	DANNY	HOE 24		
					PRAHA	6 Feb 1997	NONE	Transfer					
2677	F	14 Feb 1992	1307	2391	HOEDSPRUI	14 Feb 1992		Birth	Parent	DINKIE	HOE 25		
					TIJUANA	21 Jun 1994		Transfer					
2678	F	14 Feb 1992	1307	2391	HOEDSPRUI	14 Feb 1992		Birth	Parent	DINA	HOE 26		
					TIJUANA	21 Jun 1994		Transfer					
2686	F	21 Feb 1992	385	370	ST LOUIS	21 Feb 1992	920219	Birth	Hand	AKILI	ST 31		
					WINSTON	21 Feb 1992	940015	Ownership					
2688	M	9 Mar 1992	2621	2613	KRAAIFONT	9 Mar 1992	92M08	Birth	Parent		TYZ 1		
					SOEST	18 Jul 1993		Transfer					
2689	M	9 Mar 1992	2621	2613	KRAAIFONT	9 Mar 1992	92M09	Birth	Parent	TYZ	TYZ 2		
					SOEST	18 Jul 1993		Transfer					
2690	M	9 Mar 1992	2621	2613	KRAAIFONT	9 Mar 1992	92M10	Birth	Parent		TYZ 3		
					SOEST	18 Jul 1993		Transfer					
2691	M	9 Mar 1992	2621	2613	KRAAIFONT	9 Mar 1992	92M11	Birth	Parent		TYZ 4		
					SOEST	18 Jul 1993		Transfer					
2695	M	14 Apr 1992	1613	1709	FONTAINE	14 Apr 1992	67AJ7	Birth	Parent		ZDD 2		
					LA FLECHE	~ Jan 1996	UNK	Loan to					
2697	M	21 Apr 1992	2161	1423	HOEDSPRUI	21 Apr 1992		Birth	Parent	BARNARD	HOE 28		
2699	F	21 Apr 1992	2161	1423	HOEDSPRUI	21 Apr 1992		Birth	Parent	BETTIE	HOE 30		
					TIJUANA	21 Jun 1994		Transfer					
2701	M	29 Apr 1992	1685	1668	BELFAST	29 Apr 1992	614	Birth	Parent	KEITH	B26 5		
2702	F	29 Apr 1992	1685	1668	BELFAST	29 Apr 1992	612	Birth	Parent	JAZ	B26 6		
					PAIGNTON	24 Mar 1994	1113	Loan to					
					WHIPNADE	5 Aug 1997	L2949	Loan to					
2703	F	29 Apr 1992	1685	1668	BELFAST	29 Apr 1992	613	Birth	Parent	JOOLZ	B26 7		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					PAIGNTON	24 Mar 1994	1114	Loan to					
					MARWELL	12 Jun 1997	NONE	Loan to					
2704	M	17 May 1992	2399	1011	HOEDSPRUI	17 May 1992	_____	Birth	Parent	MARK	HOE 31		
2705	M	17 May 1992	2399	1011	HOEDSPRUI	17 May 1992	_____	Birth	Parent	MITCH	HOE 32		
2706	F	17 May 1992	2399	1011	HOEDSPRUI	17 May 1992	_____	Birth	Parent	MOIRA	HOE 33		
2707	F	17 May 1992	2399	1011	HOEDSPRUI	17 May 1992	_____	Birth	Parent	MONICA	HOE 34	0000215E7ET	
					TORONTO	6 Dec 1994	30275	Transfer					
2715	M	16 Jun 1992	458	460	TORONTO	16 Jun 1992	27712	Birth	Parent	PETER	TOR 18		
2717	M	16 Jun 1992	458	460	TORONTO	16 Jun 1992	27714	Birth	Parent	BOB	TOR 20		
2719	M	17 Jun 1992	1938	1748	CLEVELAND	17 Jun 1992	920610	Birth	Parent	KIFFA	CMZ 1		
					PROVIDNCE	22 May 1993	931060	Loan to					
2721	M	17 Jun 1992	1938	1748	CLEVELAND	17 Jun 1992	920612	Birth	Parent	NAKURA	CMZ 3		
					MEMPHIS	21 Jan 1993	13478	Transfer					
2722	M	17 Jun 1992	1938	1748	CLEVELAND	17 Jun 1992	920613	Birth	Parent	BUMBA	CMZ 4		
					MEMPHIS	21 Jan 1993	13479	Transfer					
2728	F	28 Jun 1992	1556	1684	MARWELL	28 Jun 1992	2019	Birth	Parent		MZP 21		
					FOTA	28 Jun 1992	_____	Ownership					
					EDINBURGH	19 Apr 1994	94DA02	Loan to					
					DUBLIN	20 Sep 1996	NONE	Loan to					
					FOTA	23 Oct 1996	NONE	Transfer					
2729	F	~ Oct 1990	WILD	WILD	NAMIBIA	~ May 1991	NONE	Capture	Parent	LITTLE ONE			
					HANSSSEN	~ Jun 1991	_____	Transfer					
2730	M	~ 1992	WILD	WILD	NAMIBIA	~ Apr 1992	NONE	Capture	Parent	TYKE			
					HANSSSEN	~ Jul 1992	_____	Transfer					
2733	M	5 Jun 1992	2153	531	SD-WAP	5 Jun 1992	692326	Birth	Parent	UZIMA	SD 96		
2734	M	5 Jun 1992	2153	531	SD-WAP	5 Jun 1992	692327	Birth	Parent	ASKARI	SD 97		
2735	M	5 Jun 1992	2153	531	SD-WAP	5 Jun 1992	692328	Birth	Parent	NAKILI	SD 98		
2736	F	5 Jun 1992	2153	531	SD-WAP	5 Jun 1992	692324	Birth	Parent	LIA	SD 99		
2746	F	~ Jul 1990	WILD	WILD	NAMIBIA	~ 1992	NONE	Capture	Parent	OUTJO			
					HOEDSPRUI	~ Apr 1992	_____	Transfer					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2763	M	17 Apr 1992	2118	2616	PRET DW PRETORIA	17 Apr 1992 2 Jun 1993	D92345 903723	Birth Transfer	Unknown	MA203	DEW 397	24-BA8D	
					PRET POT	9 Nov 1995	UNK	Transfer					
					PRET LICH	27 Nov 1996	NONE	Loan to					
2765	F	17 Apr 1992	2118	2616	PRET DW PRETORIA	17 Apr 1992 4 Aug 1993	D92347 903878	Birth Transfer	Unknown	FA205	DEW 399	21-B03D	
2766	M	2 May 1992	2157	2113	PRET DW PRETORIA MUNICH	2 May 1992 11 May 1993 1 Sep 1993	D92343 903690 058007	Birth Transfer Transfer	Unknown	ME023	DEW 400	1B-FA2C	
2772	F	15 May 1992	2157	2133	PRET DW PRETORIA	15 May 1992 4 Aug 1993	D92338 903875	Birth Transfer	Unknown	FE018	DEW 406	21-45BF	
2773	F	15 May 1992	2157	2133	PRET DW PRETORIA NURNBERG	15 May 1992 2 Jun 1993 23 Sep 1993	S92351 903725 M00552	Birth Transfer Transfer	Unknown	Duma (FA20)	DEW 407	1B-CAD9	
2774	M	30 May 1992	2157	2101	PRET DW	30 May 1992	D92366	Birth	Hand	MA224	DEW 408	51-2EE0	
2775	F	30 May 1992	2157	2101	PRET DW	30 May 1992	D92344	Birth	Unknown	FE024	DEW 409	21-47C5	
2778	F	1 Jun 1992	2118	2112	PRET DW PRETORIA	1 Jun 1992 4 Aug 1993	D92364 903877	Birth Transfer	Unknown	FA222	DEW 412	20-3157	
2788	M	~ Jan 1986	UNK	UNK	HARTBEESP	~ Jan 1986	_____	Birth	Hand				
2789	F	~ Jan 1986	UNK	UNK	HARTBEESP	~ Jan 1986	_____	Birth	Hand				
2790	F	~ 1986	WILD	WILD	NAMIBIA HEIN PRET DW	18 Mar 1992 19 Mar 1992 15 May 1992	NONE 807 D92514	Capture Transfer Transfer	Parent	FA226		21-506D	
2791	M	~ 1988	UNK	UNK	HARTBEESP	~ 1988	_____	Birth	Hand	TIGER			
2792	F	~ 1989	UNK	UNK	HARTBEESP	~ 1989	_____	Birth	Hand	SHEBA			
2794	M	~ 1990	WILD	2790	NAMIBIA HEIN PRET DW OUDTSHORN	18 Mar 1992 19 Mar 1992 15 May 1992 15 Mar 1997	NONE 809 D92516 NONE	Capture Transfer Transfer Transfer	Parent	SHY		20-B947	
2795	F	~ Dec 1990	WILD	WILD	S.AFRICAR PRET DW	~ 1 Feb 1991 23 Apr 1991	NONE D92517	Capture Transfer	Parent	FA229		20-BB19	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2796	F	~ Dec 1991	WILD	WILD	S.AFRICAR PRET DW	~ 1 Aug 1992 8 Oct 1992	NONE D92518	Capture Transfer	Parent	FA230		20-40FD	
2799	M	20 Mar 1992	426	432	FOSSILRIM PITTSBURG	20 Mar 1992 1 Dec 1993	1065 100853	Birth Transfer	Parent	AUSTIN	FR 53		
2800	F	20 Mar 1992	426	432	FOSSILRIM CALDWELL NYP-WASH BALTIMORE	20 Mar 1992 20 Mar 1992 2 Sep 1993 22 Aug 1994 1 Jun 1998	1066 003210 003210 111337 UNK	Birth Ownership Transfer Loan to Loan to	Unknown	WINONA	FR 54	00-0014-5E8C	
2801	F	20 Mar 1992	426	432	FOSSILRIM CALDWELL FORTWORTH MONTGOMRY	20 Mar 1992 20 Mar 1992 2 Sep 1993 7 Jul 1994 5 Jun 1996	1067 003211 003211 1036 UNK	Birth Ownership Transfer Loan to Transfer	Unknown	NAOMI	FR 55	00-004D-7A42	
2802	M	10 Jul 1992	467	507	CHICAGOLP MILWAUKEE	10 Jul 1992 12 Nov 1992	9555 3760	Birth Transfer	Hand	JUBA	LP 11	00-0010-72FE	
2803	M	10 Jul 1992	467	507	CHICAGOLP MILWAUKEE	10 Jul 1992 12 Nov 1992	9554 3759	Birth Transfer	Hand	ONYX	LP 12	00-001D-762F	
2804	M	10 Jul 1992	467	507	CHICAGOLP MILWAUKEE	10 Jul 1992 12 Nov 1992	9553 3758	Birth Transfer	Hand	ACE	LP 13	00-0021-2C09	
2806	F	3 Aug 1992	1520	1736	WHIPNADE	3 Aug 1992	L1889	Birth	Unknown	MAISHA	WH 131		
2807	M	3 Aug 1992	1520	1736	WHIPNADE EDINBURGH BANHAM KESSINGL	3 Aug 1992 13 Jun 1997 9 Jun 1999 28 Sep 1999	L1888 NONE UNK UNK	Birth Transfer Loan to Loan to	Unknown	MASAI	WH 132	0000218D67	
2809	F	24 Oct 1992	426	512	OKLAHOMA FOSSILRIM OKLAHOMA	24 Oct 1992 24 Oct 1992 1 Feb 1993	592332 1076 592332	Birth Ownership Transfer	Unknown	PAKA	OKZ 10		
2810	F	24 Oct 1992	426	512	OKLAHOMA	24 Oct 1992	592333	Birth	Unknown	NYUMBU	OKZ 11		
2811	F	24 Oct 1992	426	512	OKLAHOMA FOSSILRIM	24 Oct 1992 24 Oct 1992	592334 1077	Birth Ownership	Unknown	BEPARI	OKZ 12		
2814	M	~ Mar 1992	WILD	WILD	S.AFRICAR PRET POT HOEDSPRUI	~ 1 Apr 1992 12 Apr 1992 12 Feb 1999	NONE P93084 UNK	Capture Transfer Loan to	Parent	MA199		001B-F007	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2816	F	~ Mar 1992	WILD	WILD	S.AFRICAR PRET POT HOEDSPRUI	~ 1 Apr 1992 12 Apr 1992 16 Feb 1999	NONE P93085 UNK	Capture Transfer Loan to	Parent	FA201		001B-C94B	
2818	M	~ 1976	WILD	WILD	NAMIBIA VANDEMERW	~ May 1982 ~ Jun 1982	NONE _____	Capture Transfer	Parent	OLD MALE			
2819	M	~ 1987	WILD	WILD	NAMIBIA SAARBRUCK NEUWIEDRH SALZBURG	~ Jan 1989 6 Oct 1990 9 Dec 1992 18 Feb 1994	NONE 031003 _____ M199	Capture Transfer Loan to Loan to	Parent	ALI			
2820	M	~ 1987	WILD	WILD	NAMIBIA OLEFSON DELFTS HANSSEN	~ 1 Mar 1987 ~15 Mar 1987 ~ 1996 ~ Jun 1998	NONE _____ UNK UNK	Capture Transfer Transfer Transfer	Parent	FELIX			
2822	M	~ 1987	WILD	WILD	NAMIBIA VANDEMERW	15 Sep 1992 25 Sep 1992	NONE _____ _____	Capture Transfer	Parent	827			
2823	M	~ 1988	WILD	WILD	NAMIBIA VANDEMERW	~ Aug 1990 ~ Sep 1992	NONE _____ _____	Capture Transfer	Parent	825			
2824	F	~ 1988	WILD	WILD	NAMIBIA VANDEMERW	~ Aug 1990 ~ Sep 1990	NONE _____ _____	Capture Transfer	Parent	822			
2826	M	~ Dec 1989	WILD	WILD	NAMIBIA VANDEMERW	~ 1 Jul 1990 ~ Aug 1990	NONE _____ _____	Capture Transfer	Parent	824			
2827	F	~ Dec 1989	WILD	WILD	NAMIBIA VANDEMERW	~ 1 Jul 1990 ~ Aug 1990	NONE _____ _____	Capture Transfer	Parent	823			
2828	F	~ 1990	WILD	WILD	NAMIBIA VANDEMERW	~ 1 Oct 1992 ~ 1 Nov 1992	NONE _____ _____	Capture Transfer	Parent	829			
2830	F	~ Oct 1991	WILD	WILD	NAMIBIA HANSSEN	~ 1 Mar 1992 1 Jun 1992	NONE _____ _____	Capture Transfer	Parent	SPIKE			
2838	F	~ 1988	WILD	WILD	NAMIBIA VONSEYDLI CCF	~ Jun 1992 ~ Jul 1992 9 Jan 1998	NONE 839 NONE	Capture Transfer Loan to	Parent	OLD LADY			
2839	M	~ Nov 1990	WILD	WILD	NAMIBIA VONSEYDLI	~ May 1992 ~ May 1992	NONE 38	Capture Transfer	Parent	MANNETJIES			
2840	F	~ Nov 1990	WILD	WILD	NAMIBIA VONSEYDLI	~ Apr 1992 ~ May 1992	NONE 837	Capture Transfer	Parent	BIG ONE			



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
2842	F	14 Jul 1992	1527	1381	WASS BR C PLANCKNDL	14 Jul 1992 29 Apr 1993	_____	Birth Transfer	Parent	SHAKA	WAS 87		
2843	M	14 Jul 1992	1527	1381	WASS BR C JERUSALEM	14 Jul 1992 29 Apr 1994	_____	Birth Transfer	Parent	SHIVA	WAS 88		
2846	M	30 Jul 1992	1619	1739	WASS BR C PLANCKNDL HODENHAGN	30 Jul 1992 29 Apr 1993 13 May 1997	_____	Birth Transfer Loan to	Parent	TUTU	WAS 91		
2847	F	30 Jul 1992	1619	1739	WASS BR C BARCELONA MADRID MADRID Z BARCELONA	30 Jul 1992 30 May 1994 26 Oct 1995 26 Oct 1996 27 Oct 1997	_____	Birth Transfer Loan to Transfer Loan to	Parent	THIKA	WAS 92		
2848	F	30 Jul 1992	1619	1739	WASS BR C BARCELONA	30 Jul 1992 30 May 1994	_____	Birth Transfer	Parent	TUMA	WAS 93		
2850	F	18 Jul 1992	1138	1463	LA PALMYR	18 Jul 1992	1171	Birth	Parent	ELSA	ZLP 2		
2851	M	1 Aug 1992	2626	2175	TOKYOTAMA	1 Aug 1992	246	Birth	Parent	NATSUO	TZP 1		
2852	M	1 Aug 1992	2626	2175	TOKYOTAMA SHIRAHAMA	1 Aug 1992 14 Apr 1994	247 279	Birth Transfer	Parent	NAO	TZP 2		
2853	M	16 Aug 1992	1675	1605	KREFELD JADERBERG	16 Aug 1992 1 Sep 1993	576 _____	Birth Transfer	Parent		KR 15	00-0008-E50A	
2854	M	16 Aug 1992	1675	1605	KREFELD PLANCKNDL	16 Aug 1992 15 Oct 1993	577 002010	Birth Loan to	Parent	TOMMEKE	KR 16	00-001F-C17B	
2855	M	16 Aug 1992	1675	1605	KREFELD JADERBERG	16 Aug 1992 25 Aug 1993	578 _____	Birth Transfer	Parent		KR 17	00-001F-C600	
2857	F	16 Aug 1992	1675	1605	KREFELD ARNHEM	16 Aug 1992 14 Oct 1993	575 4775	Birth Transfer	Parent	EVA	KR 19	00-0010-62F6	
2858	M	24 Aug 1992	1985	1686	FOTA BELFAST GUANGZHOU	24 Aug 1992 3 Nov 1995 17 Jun 1996	789 1957 NONE	Birth Loan to Transfer	Hand	SAM	FWP 80		
2866	M	27 Sep 1992	2282	1829	OUDTSHORN SOEST	27 Sep 1992 18 Jul 1993	_____	Birth Transfer	Hand	ROSSIE	CC 57		
2867	M	27 Sep 1992	2282	1829	OUDTSHORN	27 Sep 1992	_____	Birth	Hand	SELLO	CC 58		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					SOEST	18 Jul 1993		Transfer					
2870	M	10 Oct 1992	2528	2169	SHIRAHAMA	10 Oct 1992	288	Birth	Parent	RYU	AW 55		
					TOKYOTAMA	12 Apr 1994	779	Transfer					
2872	F	10 Oct 1992	2528	2169	SHIRAHAMA	10 Oct 1992	290	Birth	Parent		AW 57		
2873	M	~25 Oct 1992	WILD	WILD	NAMIBIA	6 Nov 1992	NONE	Capture	Parent				
					COETZEE	6 Nov 1992	NONE	Transfer					
2874	M	~25 Oct 1992	WILD	WILD	NAMIBIA	6 Nov 1992	NONE	Capture	Parent	KWAATJIE			
					COETZEE	6 Nov 1992	NONE	Transfer					
2876	M	4 Nov 1992	567	522	DICKERSON	4 Nov 1992	3707	Birth	Parent	DAKA	DPZ 4		
					ROCKTON	22 Jun 1995		Transfer					
2877	M	4 Nov 1992	567	522	DICKERSON	4 Nov 1992	3708	Birth	Parent	MAKALI	DPZ 5		
					KANSASCTY	24 Feb 1995	102655	Transfer					
2878	F	4 Nov 1992	567	522	DICKERSON	4 Nov 1992	3709	Birth	Parent	ANESHA	DPZ 6		
					BATONROUG	16 Nov 1993	M2681	Transfer					
					LUTHER	20 Aug 1998	UNK	Loan to					
2879	F	4 Nov 1992	567	522	DICKERSON	4 Nov 1992	3710	Birth	Parent	ZURI	DPZ 7		
					KANSASCTY	24 Feb 1995	102659	Transfer					
2880	M	24 Nov 1992	1822	2285	OUDTSHORN	24 Nov 1992		Birth	Hand		CC 59		
					SOEST	18 Jul 1993		Transfer					
2881	M	24 Nov 1992	1822	2285	OUDTSHORN	24 Nov 1992		Birth	Hand	CASENOVA	CC 60	000010E54ET	
2882	F	24 Nov 1992	1822	2285	OUDTSHORN	24 Nov 1992		Birth	Hand		CC 61		
					SOEST	18 Jul 1993		Transfer					
2886	M	1 Dec 1992	1819	2284	OUDTSHORN	1 Dec 1992		Birth	Hand	VALIENT	CC 62		
					POLARPARK	27 Jan 1994		Transfer					
					QUALICUM	~ Jan 1998	UNK	Transfer					
2887	F	1 Dec 1992	1819	2284	OUDTSHORN	1 Dec 1992		Birth	Hand	SIMIA	CC 63	0000IF6054T	
					BUENOSAIR	~ Jan 1993	UNK	Transfer					
2888	F	1 Dec 1992	1819	2284	OUDTSHORN	1 Dec 1992		Birth	Hand	ASHIA	CC 64		
2889	F	1 Dec 1992	1819	2284	OUDTSHORN	1 Dec 1992		Birth	Hand	TESSA	CC 65		
					DE PENHA	~ Oct 1994	NONE	Transfer					
2891	M	9 Sep 1992	MULT	461	FOSSILRIM	9 Sep 1992	1068	Birth	Unknown	GERMANINE	FR 56		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					FORTWORTH	28 Sep 1994	1043	Loan to					
					SAN ANTON	22 May 1997	NONE	Loan to					
2892	F	9 Sep 1992	MULT	461	FOSSILRIM	9 Sep 1992	1069	Birth	Parent	JASMINE	FR 57	00000D380E	
					BIRMINGHM	15 Oct 1993	2667	Transfer					
2893	M	29 Sep 1992	505	503	FOSSILRIM	29 Sep 1992	1070	Birth	Unknown	MOJO	FR 58		
					SANFORD	22 Jun 1995	1404	Loan to					
2894	M	29 Sep 1992	505	503	FOSSILRIM	29 Sep 1992	1071	Birth	Unknown	JUBA	FR 59		
					SANFORD	22 Jun 1995	1405	Loan to					
2895	M	29 Sep 1992	505	503	FOSSILRIM	29 Sep 1992	1072	Birth	Unknown	HOBBS	FR 60		
					PHOENIX	10 Oct 1994	7206	Loan to					
2897	M	3 Oct 1992	568	430	FOSSILRIM	3 Oct 1992	1074	Birth	Unknown	CALVIN	FR 62		
					PHOENIX	10 Oct 1994	7207	Loan to					
2898	F	3 Oct 1993	568	430	FOSSILRIM	3 Oct 1993	1075	Birth	Unknown	IMAN	FR 63		
					MEMPHIS	7 Feb 1995	15017	Loan to					
2902	F	21 Mar 1985	1012	1420	VARADAY	21 Mar 1985	NONE	Birth	Unknown	MARY JANE/			
					HOEDSPRUI	~ Sep 1996	UNK	Transfer					
					HERN	6 Oct 1996	UNK	Transfer					
2904	M	4 Aug 1990	2903	2901	VARADAY	4 Aug 1990	NONE	Birth	Unknown	Des			
					HOEDSPRUI	~ Sep 1996	UNK	Transfer					
					SCHOEMAN	~ Jan 1997	UNK	Transfer					
2914	M	15 Oct 1992	2153	565	SD-WAP	15 Oct 1992	692586	Birth	Parent	MASAI	SD 102		
2915	F	15 Oct 1992	2153	565	SD-WAP	15 Oct 1992	692584	Birth	Parent	SAVUTI	SD 103		
2918	M	9 Dec 1992	365	1902	YULEE	9 Dec 1992	920444	Birth	Hand	IVAN	WO 33		
					NASHVILLZ	4 Mar 1995	940320	Loan to					
					YULEE	29 Sep 1999	940320	Loan to					
2920	F	9 Dec 1992	365	1902	YULEE	9 Dec 1992	920446	Birth	Hand	MARIAH	WO 35		
					NASHVILLE	28 Sep 1999	1331	Transfer					
2928	M	7 Aug 1992	1857	1856	HIMEJI	7 Aug 1992	280	Birth	Parent	STEAD	HCP 60		
					TOBU	23 Jul 1994	280	Transfer					
2940	M	~ 1991	WILD	WILD	NAMIBIA	~ Mar 1993	NONE	Capture	Parent	NAMIBIA			
					SINGAPORE	25 Jun 1993	G2133	Transfer					
2952	F	~ Jun 1985	WILD	WILD	KENYA	20 Jun 1985	NONE	Capture	Parent				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					AMMAN	~ Jul 1985	NONE	Transfer					
2953	M	~ 1988	WILD	WILD	NAMIBIA KOEGL	~ Jan 1989 ~ Jun 1989	NONE NONE	Capture Transfer	Parent		SHAKA		
2954	M	~ 1988	WILD	WILD	NAMIBIA KOEGL	~ Jan 1989 ~ Jun 1989	NONE NONE	Capture Transfer	Parent		PRINCE		
2955	M	~ 1988	WILD	WILD	NAMIBIA KOEGL	~ Jan 1989 ~ Jun 1989	NONE NONE	Capture Transfer	Parent		REX		
2956	F	~ 1989	WILD	WILD	NAMIBIA SAFARIWOR	~ Jan 1993 4 May 1993	NONE _____	Capture Transfer	Parent				
2958	M	~ May 1991	WILD	WILD	NAMIBIA SAFARIWOR	~ 1993 4 May 1993	NONE _____	Capture Transfer	Parent				
2959	F	~ May 1991	WILD	WILD	NAMIBIA SAFARIWOR	~ 1993 4 May 1993	NONE _____	Capture Transfer	Parent				
2960	F	~ May 1991	WILD	WILD	NAMIBIA SAFARIWOR	~ 1993 4 May 1993	NONE _____	Capture Transfer	Parent				
2962	F	~ Jun 1991	WILD	WILD	TRANSVAAL HOEDSPRUI	~ 1993 ~ 1993	NONE _____	Capture Transfer	Parent		TINA		
2963	F	~ 1993	WILD	WILD	TRANSVAAL HOEDSPRUI	~ 1993 ~ 1993	NONE _____	Capture Transfer	Parent		MARA		
2964	M	~ Nov 1992	WILD	2956	NAMIBIA SAFARIWOR	~ 1993 4 May 1993	NONE _____	Capture Transfer	Unknown				
2965	F	~ Nov 1992	WILD	2956	NAMIBIA SAFARIWOR	~ 1993 4 May 1993	NONE _____	Capture Transfer	Unknown				
2966	F	~ Nov 1992	WILD	2956	NAMIBIA SAFARIWOR	~ 1993 4 May 1993	NONE _____	Capture Transfer	Unknown				
2967	F	~ Nov 1992	WILD	2956	NAMIBIA SAFARIWOR	~ 1993 4 May 1993	NONE _____	Capture Transfer	Unknown				
2969	M	3 Jan 1993	2528	1682	SHIRAHAMA	3 Jan 1993	292	Birth	Parent	AWA		AW 59	
2974	M	1 Feb 1993	2136	508	YULEE	1 Feb 1993	930305	Birth	Hand	LUKE		WO 36	
2976	F	1 Feb 1993	2136	508	YULEE FOSSILRIM	1 Feb 1993 28 Mar 1993	930306 1078	Birth Transfer	Hand	AMBER		W0 38	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					FORTWORTH	13 Jul 1994	1040	Loan to					
					CINCINNAT	9 Oct 1997	UNK	Loan to					
2977	F	1 Feb 1993	2136	508	YULEE	1 Feb 1993	930307	Birth	Hand	MIKI	WO 39		
2978	F	1 Feb 1993	2136	508	YULEE	1 Feb 1993	930308	Birth	Hand	MARA	WO 40		
					REDWOOD	8 Apr 1993	123	Transfer					
2980	F	1 Feb 1993	2136	508	YULEE	1 Feb 1993	930310	Birth	Hand	KEESHA	WO 42		
					REDWOOD	8 Apr 1993	122	Transfer					
2982	M	25 Feb 1993	582	405	YULEE	25 Feb 1993	930312	Birth	Parent	MAX	WO 44		
					NASHVILLZ	4 Mar 1995	940318	Loan to					
					YULEE	14 Oct 1998	930312	Loan to					
2983	F	25 Feb 1993	582	405	YULEE	25 Feb 1993	930313	Birth	Parent	RAMONA	WO 45		
2986	F	3 Apr 1993	2517	2527	MADRID Z	3 Apr 1993	GU25	Birth	Hand	CRACIA	ZM 22		
					FUENGIROL	16 Jun 1993		Transfer					
					UNKNOWN	~ Jan 1994	NONE	Transfer					
2989	F	10 Apr 1993	1274	2071	PRET DW	10 Apr 1993	D92561	Birth	Unknown	232	DEW 416		
2991	F	18 Apr 1993	2235	484	AUDUBON	18 Apr 1993	1543	Birth	Unknown	JUMOKE	AZ 1	0000-4-D-2C-43	
3003	F	4 Jun 1993	536	429	CALDWELL	4 Jun 1993	002920	Birth	Parent	JO	CCZ 2	00-001E-9F83	
					NZP-WASH	22 Aug 1994	111338	Loan to					
3004	F	4 Jun 1993	536	429	CALDWELL	4 Jun 1993	002921	Birth	Parent	TERRI	CCZ 3	00-004F-709C	
3005	M	6 Jul 1993	1576	2391	HOEDSPRUI	6 Jul 1993	_____	Birth	Unknown	JOHNNIE	HOE 35		
3006	F	6 Jul 1993	1576	2391	HOEDSPRUI	6 Jul 1993	_____	Birth	Unknown	DIANAH	HOE 36		
					TIJUANA	21 Jun 1994	_____	Transfer					
3008	M	20 Jul 1993	1938	1748	CLEVELAND	20 Jul 1993	930712	Birth	Parent	KITO	CM 25		
					HOUSTON	29 Oct 1994	15438	Loan to					
3009	M	20 Jul 1993	1938	1748	CLEVELAND	20 Jul 1993	930713	Birth	Parent	KATAVI	CM 26		
					HOUSTON	29 Oct 1994	15439	Loan to					
3010	M	20 Jul 1993	1938	1748	CLEVELAND	20 Jul 1993	930714	Birth	Parent	SHIMBA	CM 27		
					HOUSTON	29 Oct 1994	15440	Loan to					
3011	M	20 Jul 1993	1938	1748	CLEVELAND	20 Jul 1993	930715	Birth	Parent	BOBO	CM 28		
					HOUSTON	29 Oct 1994	15441	Loan to					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3012	M	20 Jul 1993	1938	1748	CLEVELAND HOUSTON	20 Jul 1993 29 Oct 1994	930716 15442	Birth Loan to	Parent	CHERIK	CM 29		
3013	M	13 Apr 1993	364	1965	HONOLULU	13 Apr 1993	930072	Birth	Unknown	HANNIBAL	HZ 1		
3014	M	13 Apr 1993	364	1965	HONOLULU FERNDAL	13 Apr 1993 12 Dec 1995	930074 UNK	Birth Transfer	Unknown	PHOENIX	HZ 2		
3015	F	13 Apr 1993	364	1965	HONOLULU	13 Apr 1993	930073	Birth	Unknown	HALIMA	HZ 3		
3016	F	13 Apr 1993	364	1965	HONOLULU	13 Apr 1993	930075	Birth	Unknown	FATIMA	HZ 4		
3018	M	13 Apr 1993	1774	431	FOSSILRIM EVANSVILLE METROZOO	13 Apr 1993 18 May 1995 15 Dec 1998	1079 195056 UNK	Birth Loan to Loan to	Parent	MAJIC	FR 64		
3019	M	13 Apr 1993	1774	431	FOSSILRIM EVANSVILLE CLEVELAND	13 Apr 1993 18 May 1995 15 Dec 1998	1080 195057 UNK	Birth Loan to Loan to	Parent	REGGIE	FR 65		
3020	F	13 Apr 1993	1774	431	FOSSILRIM PITTSBURG	13 Apr 1993 2 Mar 1995	1081 100975	Birth Loan to	Parent	TAYLOR	FR 66		
3024	M	22 Sep 1993	469	1886	WINSTON SD-WAP PHOENIX SANDIEGOZ	22 Sep 1993 22 Sep 1993 27 Jan 1994 25 Feb 1994	930137 693704 6922 693704	Birth Ownership Loan to Transfer	Unknown	HATEDE	WS 110		
3025	F	22 Sep 1993	469	1886	WINSTON ACTON	22 Sep 1993 20 Jul 1994	930138 _____	Birth Transfer	Hand	SUBIRA	WS 111		
3028	M	24 Sep 1993	501	1940	CALDWELL DALLAS	24 Sep 1993 2 Jul 1994	003207 949043	Birth Loan to	Unknown	CALDWELL	CC 24	00-001E-FB7A	
3029	M	24 Sep 1993	501	1940	CALDWELL DALLAS	24 Sep 1993 2 Jul 1994	003208 949044	Birth Loan to	Unknown	CARTER	CC 25	00-001E-FC26	
3030	M	24 Sep 1993	501	1940	CALDWELL DALLAS	24 Sep 1993 2 Jul 1994	003209 949045	Birth Loan to	Unknown	TUCKER	CC 26	00-001F-0C1A	
3036	F	~ 1988	WILD	WILD	NAMIBIA BOHMCKER VOIGTS	~ Apr 1993 ~ May 1993 ~ Sep 1994	NONE NONE NONE	Capture Transfer Transfer	Parent	MAXI			
3037	M	~ 1 Nov 1991	WILD	WILD	NAMIBIA BOHMCKER VOIGTS	~ 1 Jan 1992 ~31 Jan 1992 ~ Sep 1994	NONE NONE NONE	Capture Transfer Transfer	Hand	KULLE			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3038	F	~ 1987	WILD	WILD	NAMIBIA SAARBRUCK	6 Oct 1990 6 Oct 1990	NONE 031002	Capture Transfer	Parent				
3039	F	~ 1988	WILD	WILD	NAMIBIA VANDEMERW	~ Mar 1993 ~ Mar 1993	NONE _____	Capture Transfer	Parent				
3041	M	~ 1991	WILD	WILD	NAMIBIA HANSSEN	~ Sep 1993 4 Nov 1993	NONE 890	Capture Transfer	Parent	SCHMOOSI			
3042	M	~ Jun 1992	WILD	3039	NAMIBIA VANDEMERW	~ Mar 1993 ~ Mar 1993	NONE _____	Capture Transfer	Parent				
3043	F	~ Jun 1992	WILD	3039	NAMIBIA VANDEMERW	~ Mar 1993 ~ Mar 1993	NONE _____	Capture Transfer	Parent				
3045	F	31 Mar 1993	2192	1892	FOTA DUBLIN FOTA HILVARENB	31 Mar 1993 13 Aug 1993 21 Apr 1995 3 Oct 1996	907 93MO77 907 UNK	Birth Loan to Transfer Transfer	Parent	FWP 111	FWP 87		
3048	M	~ Apr 1993	WILD	WILD	NAMIBIA HANSSEN	11 Aug 1993 19 Oct 1993	886 _____	Capture Transfer	Parent	CHUI			
3049	M	6 May 1993	1878	1686	FOTA	6 May 1993	939	Birth	Parent	FWP 112	FWP 90		
3052	F	6 May 1993	1878	1686	FOTA BELFAST GUANGZHOU	6 May 1993 3 Nov 1995 17 Jun 1996	942 1956 NONE	Birth Loan to Transfer	Parent	FWP 115	FWP 93		
3054	F	30 May 1993	1985	1986	FOTA DUBLIN FOTA	30 May 1993 12 Mar 1996 15 Jan 1997	944 UNK NONE	Birth Transfer Loan to	Parent	FWP 117	FWP 95		
3055	F	30 May 1993	1985	1986	FOTA	30 May 1993	945	Birth	Parent	FWP 118	FWP 96		
3056	F	30 May 1993	1985	1986	FOTA	30 May 1993	946	Birth	Parent	FWP 119	FWP 97		
3057	M	~ 1 Jun 1993	WILD	WILD	TRANSVAAL PRET DW	8 Sep 1993 8 Sep 1993	NONE D92585	Capture Transfer	Parent			13A-9E12	
3058	F	~ 1 Jun 1993	WILD	WILD	TRANSVAAL PRET DW	8 Sep 1993 8 Sep 1993	NONE D92586	Capture Transfer	Parent			142-C18D	
3062	M	9 Jul 1993	2385	1606	HOEDSPRUI KUNCHANB	9 Jul 1993 3 Apr 1997	_____ UNK	Birth Transfer	Parent	KAREL	HOE 38		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3063	M	9 Jul 1993	2385	1606	HOEDSPRUI KUNCHANB	9 Jul 1993 3 Apr 1997	NONE UNK	Birth Transfer	Parent	KEVIN	HOE 39		
3064	F	9 Jul 1993	2385	1606	HOEDSPRUI TORONTO	9 Jul 1993 6 Dec 1994	NONE 30276	Birth Transfer	Parent	KATE	HOE 40	00001D8022T	
3065	F	9 Jul 1993	2385	1606	HOEDSPRUI DVURKRALV	9 Jul 1993 5 Feb 1997	NONE NONE	Birth Transfer	Parent	KAREN	HOE 41		
3066	M	16 Jul 1993	1992	1989	MUNSTER	16 Jul 1993	21068	Birth	Parent	GONDAR	MUN 15		
3069	M	27 Jul 1993	2268	2264	TSAOBIS	27 Jul 1993	_____	Birth	Hand	NICK	TLP 1		
3070	M	27 Jul 1993	2268	2264	TSAOBIS PRET DW	27 Jul 1993 29 Sep 1996	_____ MB300	Birth Transfer	Parent	RODDIE	TLP 2		
3073	M	2 Aug 1993	2117	2113	PRET DW SINGAPORE	2 Aug 1993 1 Sep 1994	D92577 G2830	Birth Transfer	Parent	MORENA	DEW 418	13A-812C	
3076	M	2 Aug 1993	2118	2619	PRET DW TOKYOTAMA	2 Aug 1993 21 Jun 1996	D92578 UNK	Birth Transfer	Parent		DEW 421	13B-D188	
3080	F	2 Aug 1993	2118	2619	PRET DW SINGAPORE	2 Aug 1993 1 Sep 1994	D92582 G2831	Birth Transfer	Parent	MMAKOSHI	DEW 425	13C-1274	
3082	M	4 Aug 1993	2396	1608	HOEDSPRUI KUNCHANB	4 Aug 1993 3 Apr 1997	_____ UNK	Birth Transfer	Parent	TOMOTHY	HOE 42		
3083	F	4 Aug 1993	2396	1608	HOEDSPRUI SRI LANK	4 Aug 1993 9 Nov 1996	_____ UNK	Birth Transfer	Parent	TILDA	HOE 43		
3084	F	4 Aug 1993	2396	1608	HOEDSPRUI KUNCHANB	4 Aug 1993 3 Apr 1997	_____ UNK	Birth Transfer	Parent	TRUDIE	HOE 44		
3087	M	18 Aug 1993	2278	1829	OUDTSHORN BANGKOK	18 Aug 1993 ~ Jul 1994	_____	Birth Transfer	Parent	SENSEN	CC 67		
3088	M	18 Aug 1993	2278	1829	OUDTSHORN	18 Aug 1993	_____	Birth	Hand	ERIK	CC 68	0000105999T	
3092	M	19 Aug 1993	2517	2527	MADRID Z FUENGIROL UNKNOWN	19 Aug 1993 25 Oct 1993 ~ Jan 1994	GU29 _____ NONE	Birth Transfer Transfer	Parent	CABEZA	ZM 24		
3093	M	19 Aug 1993	2517	2527	MADRID Z LISBON BRAVA	19 Aug 1993 12 Nov 1993 3 Feb 1999	GU30 2815 UNK	Birth Transfer Transfer	Parent	NADA	ZM 25		



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3095	F	19 Aug 1993	2517	2527	MADRID Z	19 Aug 1993	GU31	Birth	Parent	ESPALDA	ZM 27		
					FUENGIROL	25 Oct 1993		Transfer					
					UNKNOWN	~ Jan 1994	NONE	Transfer					
3096	M	~ May 1993	WILD	WILD	KENYA	8 Oct 1993	NONE	Capture	Hand	ROBBIE			
					NAIR ORPH	8 Oct 1993	A54	Transfer					
3102	M	6 Sep 1993	1138	1463	LA PALMYR	6 Sep 1993	1421	Birth	Hand	PALMYRE		G-79BE	
					PEAUGRES	4 Nov 1994	C73	Loan to					
3105	F	6 Sep 1993	1138	1463	LA PALMYR	6 Sep 1993	1420	Birth	Hand	MIETTE		G-7CFB	
					HODENHAGN	5 May 1997	NONE	Loan to					
3113	F	13 Sep 1993	1822	2284	OUDTSHORN	13 Sep 1993		Birth	Hand	KIMBERLY	CC 71		
					DE PENHA	~ Oct 1994	NONE	Transfer					
3114	F	13 Sep 1993	1822	2284	OUDTSHORN	13 Sep 1993		Birth	Hand	SANDY	CC 72	000010EO7OT	
					VIDEBAEEK	~ Aug 1995	UNK	Transfer					
3115	F	13 Sep 1993	1822	2284	OUDTSHORN	13 Sep 1993		Birth	Hand	CASEY	CC 73		
					BANGKOK	~ Jul 1994		Transfer					
3117	M	30 Sep 1993	1760	1620	WASS BR C	30 Sep 1993		Birth	Parent	UCAZ	WAS 94		
					SOFIA	16 Jan 1995		Transfer					
3118	M	30 Sep 1993	1760	1620	WASS BR C	30 Sep 1993		Birth	Parent	ULYS	WAS 95		
					SOFIA	16 Jan 1995		Transfer					
3119	F	30 Sep 1993	1760	1620	WASS BR C	30 Sep 1993		Birth	Parent	UKKY	WAS 96		
					MUNSTER	1 Dec 1994	21297	Transfer					
3120	F	30 Sep 1993	1760	1620	WASS BR C	30 Sep 1993		Birth	Parent	ULAH	WAS 97		
					VIENNA	22 Sep 1994	UNK	Transfer					
					HERBERSTN	18 Apr 1996	UNK	Transfer					
					LANDAU	10 Jul 1998	UNK	Loan to					
3121	F	30 Sep 1993	1760	1620	WASS BR C	30 Sep 1993		Birth	Parent	UNIQUE	WAS 98		
3124	M	~ 1 Oct 1993	WILD	WILD	TRANSVAAL	1 Oct 1993	NONE	Capture	Parent	FLEUR DE L			
					HOEDSPRUI	1 Oct 1993		Transfer					
						~ Feb 1994	UNK	Transfer					
3133	M	18 Oct 1993	1760	2195	AMERSFOOR	18 Oct 1993	M1218	Birth	Parent	VIP	AM 21		
					WASS BR C	26 Apr 1995		Transfer					
					MONTPELLI	1 Feb 1996	UNK	Transfer					
3135	F	18 Oct 1993	1760	2195	AMERSFOOR	18 Oct 1993	M1220	Birth	Parent	VEDETTE	AM 23		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					WASS BR C MUNICH	26 Apr 1995 10 Aug 1996	_____	Transfer					
							NONE	Loan to					
3136	M	30 Oct 1993	1619	1739	WASS BR C AMERSFOOR	30 Oct 1993 16 Jul 1996	_____	Birth	Parent	WAKU	WAS 99		
							NONE	Loan to					
3137	M	30 Oct 1993	1619	1739	WASS BR C SLOVENIA	30 Oct 1993 24 Mar 1994	_____	Birth	Parent	APOLLO	WAS 100		
							_____	Transfer					
3138	M	30 Oct 1993	1619	1739	WASS BR C AMERSFOOR	30 Oct 1993 16 Jul 1996	_____	Birth	Hand	WICO	WAS 101		
							NONE	Loan to					
3145	M	5 Nov 1993	1619	2472	WUPPERTAL NURNBERG	5 Nov 1993 19 Oct 1998	93051A UNK	Birth	Parent	BALULE	WUP 1		
								Loan to					
3146	M	5 Nov 1993	1619	2472	WUPPERTAL	5 Nov 1993	93051B	Birth	Parent	BUBULOU	WUP 2		
3147	M	5 Nov 1993	1619	2472	WUPPERTAL VIENNA	5 Nov 1993 22 Sep 1994	93051C M813	Birth	Parent	DZOMBO	WUP 3		
								Loan to					
3148	M	5 Nov 1993	1619	2472	WUPPERTAL VIENNA	5 Nov 1993 22 Sep 1994	93051D _____	Birth	Parent	TSHANGA	WUP 4		
								Loan to					
3153	F	17 Nov 1993	469	2440	WINSTON YULEE	17 Nov 1993 17 Nov 1993	930174 930363	Birth	Parent	MCHUMBA	WS 117		
								Ownership					
3154	M	21 Nov 1993	1689	1986	FOTA LA PALMYR PEAUGRES	21 Nov 1993 30 Nov 1995 10 Jun 1998	FWP122 UNK UNK	Birth	Parent		FWP 98		
								Loan to					
								Loan to					
3155	F	21 Nov 1993	1689	1986	FOTA DUBLIN EDINBURGH	21 Nov 1993 12 Mar 1996 20 Sep 1996	FWP123 96MO16 NONE	Birth	Parent	ARUSHA	FWP 99		
								Transfer					
								Loan to					
3156	F	21 Nov 1993	1689	1986	FOTA DUBLIN FOTA	21 Nov 1993 12 Mar 1996 15 Jan 1997	FWP124 96MO17 FWP123	Birth	Parent		FWP 100		
								Loan to					
								Loan to					
3159	M	17 Dec 1993	2621	2613	KRAAIFONT	17 Dec 1993	93M/14	Birth	Hand	CHINGA	TYZ 5		
3163	M	2 Dec 1993	2220	522	DICKERSON ROCKTON	2 Dec 1993 22 Jun 1995	3986 _____	Birth	Parent	ROMULUS	DPZ 8		
								Transfer					
3164	M	2 Dec 1993	2220	522	DICKERSON ROCKTON	2 Dec 1993 22 Jun 1995	3987 _____	Birth	Parent	BRANSON	DPZ 9		
								Transfer					
3165	M	2 Dec 1993	2220	522	DICKERSON	2 Dec 1993	3988	Birth	Parent	HONTAS	DPZ 10		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					ROCKTON	22 Jun 1995		Transfer					
3167	F	2 Dec 1993	2220	522	DICKERSON	2 Dec 1993	3990	Birth	Parent	MINNIE	DPZ 12		
					KANSASCTY	22 Jun 1995	102656	Transfer					
3168	M	20 Dec 1993	MULT	2212	ORANA	20 Dec 1993	93034	Birth	Parent	MOJA	OP 2		
3169	M	20 Dec 1993	MULT	2212	ORANA	20 Dec 1993	93035	Birth	Parent	MBILI	OP 3		
3170	M	20 Dec 1993	MULT	2212	ORANA	20 Dec 1993	93036	Birth	Parent	TATU	OP 4		
3174	F	28 Dec 1993	1604	1605	KREFELD	28 Dec 1993	712	Birth	Parent		KR 21		
					MAIA	26 Mar 1996	UNK	Transfer					
3175	M	28 Dec 1993	1604	1605	KREFELD	28 Dec 1993	713	Birth	Parent		KR 22		
					MAIA	26 Mar 1996	UNK	Transfer					
3176	M	~ May 1993	WILD	WILD	NAMIBIA	26 Dec 1993	NONE	Capture	Parent				
					HOFMEISTE	27 Dec 1993	904	Transfer					
					GEBAUER	~ Mar 1994	NONE	Transfer					
3177	F	~ May 1993	WILD	WILD	NAMIBIA	26 Dec 1993	NONE	Capture	Parent				
					HOFMEISTE	27 Dec 1993	905	Transfer					
					GEBAUER	~ Mar 1994	NONE	Transfer					
3178	F	~ May 1993	WILD	WILD	NAMIBIA	26 Dec 1993	NONE	Capture	Parent				
					HOFMEISTE	27 Dec 1993	906	Transfer					
					GEBAUER	~ Mar 1994	NONE	Transfer					
3179	M	20 Oct 1993	1871	2147	BASEL	20 Oct 1993	2-16	Birth	Parent		ZGB 1		
					VERBESSEL	31 Jan 1995		Transfer					
3181	F	20 Oct 1993	1871	2147	BASEL	20 Oct 1993	2-18	Birth	Parent		ZGB 3		
					VERBESSEL	31 Jan 1995		Transfer					
3182	F	20 Oct 1993	1871	2147	BASEL	20 Oct 1993	2-19	Birth	Parent		ZGB 4		
					PEAUGRES	18 Jun 1998	UNK	Loan to					
3183	F	20 Oct 1993	1871	2147	BASEL	20 Oct 1993	2-20	Birth	Parent		ZGB 5		
					KRIEG	2 May 1996	UNK	Transfer					
3184	M	~ 1990	WILD	WILD	NAMIBIA	17 Dec 1993	NONE	Capture	Parent				
					KRAAIFONT	17 Dec 1993	93M119	Transfer					
3185	M	~ 1991	WILD	WILD	NAMIBIA	17 Dec 1993	NONE	Capture	Parent				
					KRAAIFONT	17 Dec 1993	93M118	Transfer					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3187	M	~ 1983	WILD	WILD	NAMIBIA LETTENBAU	~ Jan 1984 ~ Feb 1984	NONE NONE	Capture Transfer	Parent				
3188	M	~ 1985	WILD	WILD	NAMIBIA LETTENBAU	~ Jan 1986 ~ Feb 1986	NONE NONE	Capture Transfer	Parent				
3189	M	~ 1987	WILD	WILD	NAMIBIA LETTENBAU	~ Jan 1988 ~ Feb 1988	NONE	Capture Transfer	Parent				
3190	M	~ 1988	WILD	WILD	NAMIBIA LETTENBAU	1 Dec 1993 15 Dec 1993	NONE	Capture Transfer	Parent				
3191	F	~ 1989	WILD	WILD	NAMIBIA REIMANN	~ Sep 1993 ~ Oct 1993	NONE NONE	Capture Transfer	Parent				
3193	F	~ May 1992	WILD	WILD	LETTENBAU	~ May 1992		Birth	Parent				
3194	F	~ May 1992	WILD	WILD	LETTENBAU	~ May 1992		Birth	Parent				
3200	F	~ 1986	WILD	WILD	NAMIBIA LETTENBAU	~ 1 Jan 1994 15 Jan 1994	NONE NONE	Capture Transfer	Hand				
3201	M	~ Jan 1989	WILD	WILD	NAMIBIA LETTENBAU	20 May 1994 21 May 1994	NONE NONE	Capture Transfer	Hand				
3202	M	~ Jan 1989	WILD	WILD	NAMIBIA LETTENBAU	20 May 1994 21 May 1994	NONE NONE	Capture Transfer	Hand				
3203	M	1 Jan 1989	WILD	WILD	NAMIBIA LETTENBAU	20 May 1994 21 May 1994	NONE NONE	Capture Transfer	Hand				
3206	M	5 Mar 1994	WILD	WILD	NAMIBIA NEL	5 Mar 1994 5 Mar 1994	NONE NONE	Capture Transfer	Hand	KLINKIE			
3208	F	5 Mar 1994	WILD	WILD	NAMIBIA NEL	5 Mar 1994 5 Mar 1994	NONE NONE	Capture Transfer	Parent	CINDY			
3209	F	5 Mar 1994	WILD	WILD	NAMIBIA NEL	5 Mar 1994 5 Mar 1994	NONE NONE	Capture Transfer	Hand				
3212	F	~ 1989	WILD	WILD	NAMIBIA NEL	5 Jun 1994 6 Jun 1994	NONE NONE	Capture Transfer	Hand				
3213	F	18 Mar 1990	WILD	WILD	NAMIBIA WILKINSON PRET DW	18 Mar 1990 ~ 1993 17 Mar 1994	NONE NONE D92598	Capture Transfer Transfer	Parent	FA246			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3214	F	18 Mar 1990	WILD	WILD	NAMIBIA WILKINSON PRET DW	18 Mar 1990 ~ 1993 17 Mar 1994	NONE NONE D92597	Capture Transfer Transfer	Parent	FA245			
3219	F	17 Apr 1994	2161	1606	HOEDSPRUI PRAHA	17 Apr 1994 6 Feb 1997	_____ NONE	Birth Transfer	Parent	DOLLY	HOE 46		
3223	M	20 Apr 1994	2413	1856	HIMEJI JAKARTA	20 Apr 1994 17 Apr 1997	HC95 NONE	Birth Transfer	Hand	KEIN	HCP 71		
3231	M	3 May 1994	1822	2285	OUDTSHORN	3 May 1994	_____	Birth	Parent	MADIBA	CC 75	0000104CBBT	
3232	M	7 May 1994	2282	1824	OUDTSHORN VIDEBAEK	7 May 1994 ~ Aug 1996	_____ UNK	Birth Transfer	Parent	PANIC	CC 76	00001CF966T	
3235	M	8 May 1994	2117	2135	PRET DW AMMAN	8 May 1994 20 Nov 1994	D92602 NONE	Birth Transfer	Unknown	MA248	DEW 429	00004D21E2	
3240	F	9 May 1994	2127	2356	PRET DW PRETORIA VIENNA	9 May 1994 18 Nov 1994 1 Dec 1994	D92607 904676 M831	Birth Transfer Transfer	Unknown	FA252	DEW 434	0000971F15	
3243	F	22 May 1994	2118	2616	PRET DW AMMAN	22 May 1994 20 Nov 1994	D92608 NONE	Birth Transfer	Unknown	FA253	DEW 435	0000715BF4	
3244	F	22 May 1994	2118	2616	PRET DW AMMAN	22 May 1994 20 Nov 1994	D92609 NONE	Birth Transfer	Unknown	FA254	DEW 436	0000F6AA9A	
3245	M	28 May 1994	576	1939	PHOENIX FOSSILRIM HOGLE	28 May 1994 28 May 1994 11 Sep 1996	7091 _____ UNK	Birth Ownership Transfer	Unknown	WAKATI	PH 9		
3246	M	28 May 1994	576	1939	PHOENIX HOGLE	28 May 1994 11 Sep 1996	7092 UNK	Birth Transfer	Unknown	IMANI	PH 10		
3251	M	~ Jan 1993	WILD	WILD	NAMIBIA NEL	~ Sep 1994 ~ Sep 1994	NONE NONE	Capture Transfer	Parent				
3252	M	~ Jan 1993	WILD	WILD	NAMIBIA NEL	~ Sep 1994 ~ Sep 1994	NONE NONE	Capture Transfer	Parent				
3253	F	~ Jan 1993	WILD	WILD	NAMIBIA NEL	~ Sep 1994 ~ Sep 1994	NONE NONE	Capture Transfer	Parent				
3254	F	~ Jan 1993	WILD	WILD	NAMIBIA NEL	~ Sep 1994 ~ Sep 1994	NONE NONE	Capture Transfer	Parent				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3255	M	~ 1991	WILD	WILD	NAMIBIA VOIGTS	~ Jan 1994 28 Jan 1994	NONE NONE	Capture Transfer	Parent	ALTE			
3256	F	~ 1991	WILD	WILD	NAMIBIA VOIGTS	~ Jan 1994 28 Jan 1994	NONE NONE	Capture Transfer	Parent	CHEEKY			
3261	M	26 May 1994	2730	2729	HANSSSEN	26 May 1994	NONE	Birth	Parent	DEKE	HAN1		
3262	F	26 May 1994	2730	2729	HANSSSEN	26 May 1994	NONE	Birth	Parent	CONCHITA	HAN2		
3265	F	22 Jun 1994	2117	2101	PRET DW	22 Jun 1994	D92611	Birth	Unknown	FE029	DEW 438	0000199FA5	
3274	F	8 Aug 1994	1391	1607	SHIRAHAMA	8 Aug 1994	326	Birth	Parent	STANLY	AW 79		
3275	M	9 Sep 1994	1576	1700	HUIZEN FD OLMENSE NORDITALI	9 Sep 1994 1 Jan 1996 5 Mar 1997	_____ UNK NONE	Birth Transfer Transfer	Hand	TIMBA	EAF 35		
3276	M	9 Sep 1994	1576	1700	HUIZEN FD OLMENSE	9 Sep 1994 ~ 1 Oct 1995	_____ UNK	Birth Transfer	Hand	SHAKA	EAF 36		
3277	M	9 Sep 1994	1576	1700	HUIZEN FD OLMENSE	9 Sep 1994 ~ Jan 1996	_____ UNK	Birth Transfer	Hand	NANGA	EAF 37		
3279	F	9 Sep 1994	1576	1700	HUIZEN FD GREULICH	9 Sep 1994 ~ 1 Oct 1995	_____ UNK	Birth Transfer	Hand	DUMA	EAF 39		
3283	M	20 Sep 1994	1138	1463	LA PALMYR PARIS ZOO	20 Sep 1994 11 Jul 1996	1655 296103	Birth Loan to	Parent	CLAUDIUS	ZLP 7	228562	
3284	M	20 Sep 1994	1138	1463	LA PALMYR FONTAINE	20 Sep 1994 8 Jul 1996	1656 UNK	Birth Transfer	Parent	YSENGRIN	ZLP 8	125692	
3285	F	20 Sep 1994	1138	1463	LA PALMYR	20 Sep 1994	1653	Birth	Parent	RINA	ZLP 9	227E24	
3286	F	20 Sep 1994	1138	1463	LA PALMYR	20 Sep 1994	1654	Birth	Parent	FANNY	ZLP 10	125045	
3287	M	23 Sep 1994	2268	2264	TSAOBIS PRET DW MOSCOW	23 Sep 1994 28 Sep 1996 4 Mar 1999	_____ MB302 UNK	Birth Transfer Transfer	Parent	LAMU	TLP 3		
3288	M	23 Sep 1994	2268	2264	TSAOBIS PRET DW	23 Sep 1994 29 Sep 1996	_____ MB301	Birth Transfer	Parent	TANA	TLP 4		
3289	F	23 Sep 1994	2268	2264	TSAOBIS	23 Sep 1994	_____	Birth	Hand	NANUSHKA	TLP 5		
3291	M	24 Sep 1994	2278	2284	OUDTSHORN SAO PAULO	24 Sep 1994 30 May 1996	_____ UNK	Birth Transfer	Hand	NALA	CC 78	00001F56C5T	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3292	M	24 Sep 1994	2278	2284	OUDTSHORN ALMAKTOUM	24 Sep 1994 ~ Jun 1995	_____	Birth Transfer	Hand	SARABI	CC 79		
3299	M	6 Oct 1994	505	504	FOSSILRIM KNOXVILLE	6 Oct 1994 29 Apr 1995 29 Jul 1996	1088 1657 UNK	Birth Loan to Transfer	Parent	EMMET	FR 72		
3300	F	6 Oct 1994	505	504	FOSSILRIM KNOXVILLE	6 Oct 1994 29 Apr 1995 29 Jul 1996	1089 1658 1658	Birth Loan to Transfer	Parent	KELLY	FR 73		
3301	F	6 Oct 1994	505	504	FOSSILRIM KNOXVILLE	6 Oct 1994 29 Apr 1995 29 Jul 1996	1090 1659 1659	Birth Loan to Transfer	Parent	KALERA	FR 74		
3302	M	18 Oct 1994	465	432	FOSSILRIM PHOENIX	18 Oct 1994 9 May 1996	1091 UNK	Birth Transfer	Unknown		FR 75		
3303	M	18 Oct 1994	465	432	FOSSILRIM PHOENIX NZIP-WASH	18 Oct 1994 9 May 1996 15 Oct 1998	1092 UNK 113355	Birth Transfer Loan to	Unknown		FR 76		
3304	M	18 Oct 1994	465	432	FOSSILRIM PHOENIX NZIP-WASH	18 Oct 1994 9 May 1996 15 Oct 1998	1093 UNK 113356	Birth Transfer Loan to	Unknown		FR 77		
3305	M	18 Oct 1994	465	432	FOSSILRIM PHOENIX	18 Oct 1994 9 May 1996	1094 UNK	Birth Transfer	Unknown	POINDEXTER	FR 78		
3306	F	18 Oct 1994	465	432	FOSSILRIM PHOENIX	18 Oct 1994 9 May 1996	1095 UNK	Birth Transfer	Unknown	MADONNA	FR 79		
3307	F	18 Oct 1994	465	432	FOSSILRIM CALDWELL	18 Oct 1994 16 Feb 1996	1096 UNK	Birth Transfer	Unknown	STEVIE	FR 80		
3308	M	31 Oct 1994	2305	1829	OUDTSHORN EICHBERG	31 Oct 1994 6 May 1996	_____	Birth Transfer	Hand	NORSE	CC 81	0000104L0FT	
3309	M	31 Oct 1994	2305	1829	OUDTSHORN EICHBERG	31 Oct 1994 ~ Jun 1995	_____	Birth Transfer	Hand	MUFASA	CC 82		
3311	F	31 Oct 1994	2305	1829	OUDTSHORN ALMAKTOUM	31 Oct 1994 ~ Jun 1995	_____	Birth Transfer	Hand	CAZ	CC 84		
3312	M	5 Nov 1994	469	2440	WINSTON SD-WAP METRORICH	5 Nov 1994 5 Nov 1994 23 Jul 1996	940215 694723 UNK	Birth Ownership Transfer	Hand	ZACHARIAH	WS 118		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3313	M	5 Nov 1994	469	2440	WINSTON SD-WAP METRORICH	5 Nov 1994 5 Nov 1994 23 Jul 1996	940216 694722 UNK	Birth Ownership Transfer	Hand	LEVI	WS 119		
3314	M	5 Nov 1994	469	2440	WINSTON YULEE	5 Nov 1994 5 Nov 1994	940217 940375	Birth Ownership	Hand	MERU	WS 120		
3316	F	5 Nov 1994	469	2440	WINSTON	5 Nov 1994	940218	Birth	Hand	JOCARA	WS 122		
3318	M	8 Nov 1994	469	1886	WINSTON YULEE	8 Nov 1994 8 Nov 1994	940229 940376	Birth Ownership	Hand	JAKE	WS 124		
3322	M	16 Nov 1994	MULT	585	FOSSILRIM PALM DES	16 Nov 1994 6 Feb 1996	1099 UNK	Birth Transfer	Unknown	ELLWOOD	FR 81		
3323	M	16 Nov 1994	MULT	585	FOSSILRIM PALM DES	16 Nov 1994 6 Feb 1996	1097 UNK	Birth Transfer	Unknown	JAKE	FR 82		
3324	F	16 Nov 1994	MULT	585	FOSSILRIM PALM DES	16 Nov 1994 6 Feb 1996	1098 UNK	Birth Transfer	Unknown	MAMIE	FR 83		
3325	M	21 Nov 1994	1820	1824	OUDTSHORN BUENOSAIR	21 Nov 1994 ~ 1 Dec 1995	_____ UNK	Birth Transfer	Hand	SHAZA	CC 85	0000IF6C56T	
3326	F	21 Nov 1994	1820	1824	OUDTSHORN EICHBERG	21 Nov 1994 ~ Jan 1995	_____ _____	Birth Transfer	Hand	MILLY	CC 86		
3329	M	26 Nov 1994	1992	1989	MUNSTER ROSTOCK	26 Nov 1994 3 Oct 1995	21309 UNK	Birth Transfer	Parent	MASSAI	MUN 18		
3330	F	26 Nov 1994	1992	1989	MUNSTER ROSTOCK	26 Nov 1994 3 Oct 1995	21310 UNK	Birth Transfer	Parent	AKBARI	MUN 19		
3332	F	~ 1990	WILD	WILD	NAMIBIA HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE NONE	Capture Transfer	Parent	SALOME			
3333	M	~ Jan 1994	WILD	WILD	S.AFRICAR HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE _____	Capture Transfer	Parent	HENRY			
3335	F	~ Jan 1994	WILD	WILD	S.AFRICAR HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE _____	Capture Transfer	Parent	HESTER			
3336	M	~ Apr 1994	WILD	WILD	S.AFRICAR HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE _____	Capture Transfer	Parent	GUSTAV			
3337	F	~ Apr 1994	WILD	WILD	S.AFRICAR	~ Dec 1994	NONE	Capture	Parent	GERDA			



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					HOEDSPRUI	~ Dec 1994	_____	Transfer					
3338	F	6 May 1994	2385	1423	HOEDSPRUI KUNCHANB	6 May 1994 3 Apr 1997	_____ UNK	Birth Transfer	Unknown	EVELYN	HOE 52		
3339	F	6 May 1994	2385	1423	HOEDSPRUI KUNCHANB	6 May 1994 3 Apr 1997	_____ UNK	Birth Transfer	Unknown	EVA	HOE 53		
3340	M	13 May 1994	2122	405	YULEE	13 May 1994	940313	Birth	Unknown	WILLIE	WO 46		
3341	M	15 Jun 1994	2384	1577	HOEDSPRUI PRAHA	15 Jun 1994 9 Jun 1998	_____ UNK	Birth Transfer	Unknown	FREDDY	HOE 54		
3342	M	15 Jun 1994	2384	1577	HOEDSPRUI	15 Jun 1994	_____	Birth	Unknown	FELIX	HOE 55		
3343	F	15 Jun 1994	2384	1577	HOEDSPRUI KUNCHANB	15 Jun 1994 3 Apr 1997	_____ UNK	Birth Transfer	Unknown	FRANCES	HOE 56		
3344	F	15 Jun 1994	2384	1577	HOEDSPRUI	15 Jun 1994	_____	Birth	Unknown	FRIEDA	HOE 57		
3351	F	21 Oct 1994	2521	1608	HOEDSPRUI	21 Oct 1994	_____	Birth	Unknown	BELINDA	HOE 59		
3352	F	21 Oct 1994	2521	1608	HOEDSPRUI KUNCHANB	21 Oct 1994 3 Apr 1997	_____ UNK	Birth Transfer	Unknown	BERTHA	HOE 60		
3353	F	21 Oct 1994	2521	1608	HOEDSPRUI	21 Oct 1994	_____	Birth	Unknown	BEATRIX	HOE 61		
3355	F	~ 1 Oct 1994	WILD	3332	NAMIBIA HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE _____	Capture Transfer	Parent	SANDRA			
3356	F	~ 1 Oct 1994	WILD	3332	NAMIBIA HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE _____	Capture Transfer	Parent	SANTA			
3357	F	~ 1 Oct 1994	WILD	3332	NAMIBIA HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE _____	Capture Transfer	Parent	SHIRLEY			
3358	F	~ Oct 1994	WILD	3332	NAMIBIA HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE NONE	Capture Transfer	Parent	SOPHIA			
3360	F	~ Oct 1994	WILD	WILD	NAMIBIA HOEDSPRUI	~ Dec 1994 ~ Dec 1994	NONE _____	Capture Transfer	Parent	DORA			
3361	F	~ Oct 1994	WILD	WILD	NAMIBIA HOEDSPRUI SCHOEMAN	~ Dec 1994 ~ Dec 1994 21 Apr 1997	NONE _____ NONE	Capture Transfer Transfer	Parent	DOREEN			
3362	F	~ Oct 1994	WILD	WILD	NAMIBIA	~ Dec 1994	NONE	Capture	Parent	DOROTHY			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					HOEDSPRUI HERN	~ Dec 1994 ~ 1 Oct 1996	_____	Transfer					
					HOEDSPRUI HERN	~ Dec 1994 ~ 1 Oct 1996	UNK	Transfer					
3363	F	~ Oct 1994	WILD	WILD	NAMIBIA HOEDSPRUI HERN	~ Dec 1994 ~ Dec 1994 ~ 1 Oct 1996	NONE _____	Capture Transfer Transfer	Parent	DELIA			
3370	M	30 Oct 1994	1825	2307	BANGKOK KORAT	30 Oct 1994 2 Nov 1995	940008 UNK	Birth Transfer	Parent	3	DZ 1	000861026	
3371	M	30 Oct 1994	1825	2307	BANGKOK KORAT	30 Oct 1994 8 Jan 1996	940009 UNK	Birth Transfer	Parent	4	DZ 2	000096562	
3372	F	30 Oct 1994	1825	2307	BANGKOK KORAT	30 Oct 1994 30 Jan 1996	940006 UNK	Birth Transfer	Parent	1	DZ 3	000623537	
3379	F	~ Aug 1994	WILD	WILD	KENYA NAIR ORPH	~ 1 Oct 1994 15 Oct 1994	NONE _____	Capture Transfer	Hand	Chrysee			
3382	M	~ 1992	WILD	WILD	S.AFRICA HOEDSPRUI	~ Jan 1995 1 Mar 1995	NONE _____	Capture Transfer	Parent	LOLLY			
3385	F	~ Jan 1994	WILD	WILD	S.AFRICA PRET DW	~ Sep 1994 28 Dec 1994	NONE FA255	Capture Transfer	Parent				
3386	M	~ Jun 1994	WILD	WILD	NAMIBIA KRAAIFONT	~ Oct 1994 4 Jan 1995	NONE 950004	Capture Transfer	Parent			0001328D54T	
3387	F	~ Jun 1994	WILD	WILD	NAMIBIA KRAAIFONT	~ Oct 1994 4 Jan 1995	NONE 950005	Capture Transfer	Parent			000064CB42T	
3388	M	~ Nov 1994	WILD	WILD	NAMIBIA HANSSEN	~ Feb 1995 ~ Apr 1995	NONE _____	Capture Transfer	Parent	SCAR			
3391	F	~ Dec 1994	WILD	WILD	NAMIBIA HOEDSPRUI HERN	~ Jan 1995 ~ May 1995 6 Oct 1996	NONE _____	Capture Transfer Transfer	Parent				
3392	F	~ Dec 1994	WILD	WILD	NAMIBIA HOEDSPRUI HERN	~ Jan 1995 ~ May 1995 6 Oct 1996	NONE _____	Capture Transfer Transfer	Parent				
3393	F	~ Jan 1995	WILD	WILD	NAMIBIA HANSSEN	~ Apr 1995 ~ Jun 1995	NONE _____	Capture Transfer	Parent				
3398	F	10 Feb 1995	2359	1940	CALDWELL	10 Feb 1995	003525	Birth	Hand	DHUMA			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3399	M	~ Mar 1995	WILD	WILD	ETHIOPIA KELLEY T ETHIOPIA	~ Jun 1995 ~ Sep 1995 ~ Jan 1997	NONE UNK UNK	Capture Transfer Transfer	Hand				
3401	F	16 Mar 1995	2521	1608	HOEDSPRUI PRAHA	16 Mar 1995 9 Jun 1998	_____ UNK	Birth Transfer	Parent		HOE 63		
3403	F	31 Mar 1995	2118	2795	PRET DW	31 Mar 1995	FA257	Birth	Parent		DEW 440		
3404	F	31 Mar 1995	2118	2795	PRET DW SHIRAHAMA	31 Mar 1995 19 Jun 1996	FA259 UNK	Birth Transfer	Parent	ANN	DEW 441		
3405	F	31 Mar 1995	2118	2795	PRET DW	31 Mar 1995	FA261	Birth	Parent		DEW 442		
3406	M	~ Apr 1995	WILD	WILD	NAMIBIA HANSSEN	~ Jun 1995 ~ Jun 1995	NONE _____ _____ _____	Capture Transfer	Parent	RHETT			
3407	M	~ Apr 1995	WILD	WILD	NAMIBIA HANSSEN	~ Jun 1995 ~ Jun 1995	NONE _____ _____ _____	Capture Transfer	Parent	HEATHCLIFF			
3408	F	~ Apr 1995	WILD	WILD	NAMIBIA HANSSEN	~ Jun 1995 ~ Jun 1995	NONE _____ _____ _____	Capture Transfer	Parent	SCARLETT			
3409	F	~ Apr 1995	WILD	WILD	NAMIBIA HANSSEN	~ Jun 1995 ~ Jun 1995	NONE _____ _____ _____	Capture Transfer	Parent	CATHY			
3410	M	14 Apr 1995	2117	2480	PRET DW	14 Apr 1995	MA262	Birth	Parent		DEW 443		
3412	M	14 Apr 1995	2117	2480	PRET DW SHIRAHAMA	14 Apr 1995 19 Jun 1996	ME030 UNK	Birth Transfer	Parent	DYK	DEW 445		
3413	F	14 Apr 1995	2117	2480	PRET DW	14 Apr 1995	FA261	Birth	Parent		DEW 446		
3415	F	20 Apr 1995	469	2241	WINSTON	20 Apr 1995	950085	Birth	Parent		WS 129		
3418	F	22 Apr 1995	2398	1606	HOEDSPRUI	22 Apr 1995	_____ _____ _____ _____	Birth	Unknown		HOE 66		
3420	F	27 Apr 1995	2117	2356	PRET DW LANGLEY	27 Apr 1995 9 Jul 1996	MA264 NONE	Birth Transfer	Parent		DEW 447		
3421	M	27 Apr 1995	2117	2356	PRET DW	27 Apr 1995	MA256	Birth	Parent		DEW 448		
3422	M	27 Apr 1995	2117	2356	PRET DW	27 Apr 1995	FE031	Birth	Parent		DEW 449		
3423	F	2 May 1995	2117	2113	PRET DW	2 May 1995	FA266	Birth	Hand		DEW 450		
3424	F	9 May 1995	2510	1620	WASS BR C HILVARENB	9 May 1995 23 Apr 1996	_____ UNK	Birth Transfer	Parent	XANNA			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3425	F	9 May 1995	2510	1620	WASS BR C COLCHESTR	9 May 1995 26 Jun 1999	UNK	Birth Loan to	Parent		XENA		
3426	F	9 May 1995	2510	1620	WASS BR C HILVARENB	9 May 1995 23 Apr 1996	UNK	Birth Transfer	Parent		XOSA		
3428	F	7 Jun 1995	2118	3213	PRET DW	7 Jun 1995	MA271	Birth	Hand			DEW 451	
3435	M	14 Jun 1995	2715	2242	TORONTO ROCKTON	14 Jun 1995 26 Sep 1995	30801 NONE	Birth Loan to	Unknown	CHESTER		TOR 23	
3436	M	14 Jun 1995	2715	2242	TORONTO ORONO TORONTO	14 Jun 1995 4 Jul 1997 18 Sep 1998	30800 NONE UNK	Birth Loan to Loan to	Unknown	OBA		TOR 24	
3437	F	14 Jun 1995	2715	2242	TORONTO ROCKTON	14 Jun 1995 26 Sep 1995	30805 NONE	Birth Loan to	Unknown	JAMILA		TOR 25	
3438	F	14 Jun 1995	2715	2242	TORONTO ORONO TORONTO	14 Jun 1995 7 Jul 1997 18 Sep 1998	30804 NONE UNK	Birth Loan to Loan to	Unknown	MOSI		TOR 26	
3447	M	5 Jul 1995	2117	2091	PRET DW	5 Jul 1995	ME033	Birth	Hand			DEW 458	
3448	M	7 Jul 1995	2118	2780	PRET DW WHYTE	7 Jul 1995 17 Jan 1996	MA273 NONE	Birth Transfer	Hand			DEW 459	
3449	F	7 Jul 1995	2118	2780	PRET DW WHYTE	7 Jul 1995 17 Jan 1996	FA274 UNK	Birth Transfer	Hand			DEW 460	
3450	F	20 Jul 1995	2463	3064	TORONTO	20 Jul 1995	30927	Birth	Parent	CRYSTAL		TOR 28	
3452	F	~ 1993	WILD	WILD	NAMIBIA HIMEJI SHIRAHAMA	~ Aug 1994 23 Sep 1994 21 Dec 1999	NONE HC103 UNK	Capture Transfer Loan to	Parent				
3457	M	~ 1 Jul 1995	WILD	WILD	NAMIBIA CCF	25 Jul 1995 27 Jul 1995	NONE NONE	Capture Transfer	Parent	CHEWBAAKA			
3459	M	24 Sep 1995	2220	522	DICKERSON LUTHER	24 Sep 1995 9 Jun 1996	4359 UNK	Birth Transfer	Parent			DZP 14	
3460	F	24 Sep 1995	2220	522	DICKERSON LUTHER	24 Sep 1995 9 Jun 1996	4360 UNK	Birth Transfer	Parent			DZP 15	
3461	M	7 May 1995	1576	1700	HUIZEN FD	7 May 1995	66	Birth	Hand	INKOSI		EAF 41	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					AYWAILLE	3 Oct 1997	970058				Loan to		
					HUIZEN FD	9 Jan 1998	UNK				Loan to		
3462	F	7 May 1995	1576	1700	HUIZEN FD	7 May 1995	65	Birth	Hand	MILA	EAF 42		
					ALTENFELD	~ 1 Feb 1996	UNK	Transfer					
3463	F	7 May 1995	1576	1700	HUIZEN FD	7 May 1995	68	Birth	Hand	SAVANNE	EAF 43		
					WESTERLO	1 Oct 1995	UNK	Transfer					
3466	M	12 May 1995	1576	2548	HUIZEN FD	12 May 1995	UNK	Birth	Hand	NWAKKA	EAF 46		
					WESTERLO	1 Oct 1995	UNK	Transfer					
					NORDITALI	5 Mar 1997	UNK	Transfer					
3468	F	12 May 1995	1576	2548	HUIZEN FD	12 May 1995	UNK	Birth	Unknown	OBIKA	EAF 48		
					AYWAILLE	3 Oct 1997	970057	Loan to					
3475	M	~ Jan 1988	WILD	WILD	NAMIBIA	~ 1 Oct 1994	UNK	Capture	Parent				
					KLUCKNER	~ Oct 1994	UNK	Transfer					
3476	M	1 Jan 1989	WILD	WILD	NAMIBIA	~ Jan 1995	UNK	Capture	Parent				
					NEUWIEDRH	14 Mar 1995	1021	Transfer					
3477	M	~ Jan 1990	WILD	WILD	NAMIBIA	~ May 1995	UNK	Capture	Parent				
					KLUCKNER	~ May 1995	UNK	Transfer					
3478	M	1 Jan 1992	WILD	WILD	NAMIBIA	~ Jan 1995	UNK	Capture	Parent	HODARY			
					MITO CHO	4 Nov 1995	UNK	Transfer					
3479	F	1 Jan 1992	WILD	WILD	NAMIBIA	~ Jan 1995	UNK	Capture	Parent	ZURY			
					MITO CHO	4 Nov 1995	UNK	Transfer					
3480	F	1 Jan 1994	WILD	WILD	NAMIBIA	~ Jan 1995	UNK	Capture	Parent	RUKA			
					MITO CHO	4 Nov 1995	UNK	Transfer					
3481	F	1 Jan 1994	WILD	WILD	NAMIBIA	~ Jan 1995	UNK	Capture	Parent	Ananah			
					MITO CHO	4 Nov 1995	UNK	Transfer					
3482	F	~ Jan 1994	WILD	WILD	NAMIBIA	~ Oct 1995	UNK	Capture	Parent				
					KLUCKNER	~ Oct 1995	UNK	Transfer					
3483	M	9 Aug 1995	1871	2147	BASEL	9 Aug 1995	3-1	Birth	Parent	SIDI	ZGB6		
					KREFELD	30 Apr 1997	NONE	Transfer					
3484	M	9 Aug 1995	1871	2147	BASEL	9 Aug 1995	3-2	Birth	Parent	SURI	ZGB7		
					VERBESSEL	13 Jan 1997	NONE	Transfer					
3485	F	9 Aug 1995	1871	2147	BASEL	9 Aug 1995	3-3	Birth	Parent	SAWATI	ZGB8		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					VERBESSEL	13 Jan 1997	UNK	Transfer					
3486	F	9 Aug 1995	1871	2147	BASEL FONTAINE	9 Aug 1995 22 Apr 1997	3-4 UNK	Birth Transfer	Parent	SAMA	ZGB9		
3487	F	9 Aug 1995	1871	2147	BASEL KREFELD	9 Aug 1995 30 Apr 1997	3-5 UNK	Birth Transfer	Parent	SAMIRA	ZGB10		
3489	M	20 Sep 1995	2524	1658	MOSCOW LODZ	20 Sep 1995 8 Dec 1997	950840 6771	Birth Transfer	Parent	MOSKVA	MOS68		
3490	M	20 Sep 1995	2524	1658	MOSCOW RAMAT GAN	20 Sep 1995 2 Jun 1996	950841 960065	Birth Transfer	Parent		MOS69		
3491	M	20 Sep 1995	2524	1658	MOSCOW LODZ	20 Sep 1995 8 Dec 1997	950842 6772	Birth Transfer	Parent	DICK	MOS70		
3495	M	28 Sep 1995	3102	2433	PEAUGRES HILVARENB	28 Sep 1995 21 Nov 1996	C80 NONE	Birth Loan to	Parent	ALPHA	SDP1		
3496	M	28 Sep 1995	3102	2433	PEAUGRES HILVARENB	28 Sep 1995 21 Nov 1996	C81 NONE	Birth Loan to	Parent	ADONIS	SDP2		
3497	M	28 Sep 1995	3102	2433	PEAUGRES MULHOUSE	28 Sep 1995 16 Oct 1997	C83 UNK	Birth Transfer	Parent	ARAMIS	SDP3		
3498	M	28 Sep 1995	3102	2433	PEAUGRES	28 Sep 1995	C84	Birth	Parent	ATHOS	SDP4		
3500	F	28 Sep 1995	3102	2433	PEAUGRES ARNHEM	28 Sep 1995 19 May 1999	C79 5939	Birth Transfer	Parent	AGATHE	SDP6	244A07	
3501	F	28 Sep 1995	3102	2433	PEAUGRES LA PALMYR	28 Sep 1995 11 Jun 1998	C82 UNK	Birth Loan to	Parent	ALIZCE	SDP7		
3512	F	16 Jul 1995	UNK	2212	ORANA	16 Jul 1995	95018	Birth	Unknown	JULAI	OP10		
3519	M	30 May 1995	465	431	FOSSILRIM WERRIBEE	30 May 1995 28 Apr 1996	1100 960093	Birth Transfer	Parent	TWANDE	FR85		
3520	M	30 May 1995	465	431	FOSSILRIM WERRIBEE	30 May 1995 28 Apr 1996	1101 960094	Birth Transfer	Parent	HARAKA	FR86		
3521	M	30 May 1995	465	431	FOSSILRIM WERRIBEE	30 May 1995 28 Apr 1996	1102 960095	Birth Transfer	Parent	SASA	FR87		
3522	M	25 Oct 1995	541	513	FORTWORTH CINCINNAT	25 Oct 1995 10 Oct 1997	1233 UNK	Birth Loan to	Parent	CARA'S	CASFW21		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3527	F	19 Oct 1995	541	2801	FORTWORTH FOSSILRIM	19 Oct 1995 24 Jun 1998	1222 240698	Birth Loan to	Parent	AMSTIL	FWZ6		
3530	F	3 Nov 1995	3471	1903	RIO GRAND	3 Nov 1995	M95054	Birth	Parent	ESPERANZA	ABQ 5		
3532	M	21 Dec 1995	2528	1607	SHIRAHAMA	21 Dec 1995	335	Birth	Unknown	MORUJI	AW 80		
3533	F	21 Dec 1995	2528	1607	SHIRAHAMA	21 Dec 1995	336	Birth	Unknown	MONE	AW 81		
3536	M	19 Aug 1995	2117	2113	PRET DW LANGLEY	19 Aug 1995 9 Jul 1996	K34 UNK	Birth Transfer	Parent		DEW 462		
3537	M	19 Aug 1995	2117	2113	PRET DW RIYADH	19 Aug 1995 24 Aug 1998	K35 UNK	Birth Transfer	Parent		DEW 463		
3539	M	25 Sep 1995	2250	2857	ARNHEM	25 Sep 1995	5185	Birth	Unknown		B211		
3540	M	25 Sep 1995	2250	2857	ARNHEM	25 Sep 1995	5186	Birth	Unknown		B212		
3541	M	25 Sep 1995	2250	2857	ARNHEM	25 Sep 1995	5187	Birth	Unknown		B213		
3542	M	25 Sep 1995	2250	2857	ARNHEM	25 Sep 1995	5188	Birth	Unknown		B214		
3543	F	25 Sep 1995	2250	2857	ARNHEM PEAUGRES	25 Sep 1995 27 May 1999	5189 UNK	Birth Transfer	Unknown		B215		
3544	M	6 Jan 1996	2722	2898	MEMPHIS TULSA	6 Jan 1996 30 Apr 1997	15698 12134	Birth Transfer	Unknown	LUTHER	MZ1		
3545	M	6 Jan 1996	2722	2898	MEMPHIS TULSA	6 Jan 1996 30 Apr 1997	15699 12135	Birth Transfer	Unknown	FLASH	MZ2		
3546	F	6 Jan 1996	2722	2898	MEMPHIS	6 Jan 1996	15700	Birth	Unknown	SASHA	MZ3		
3547	M	6 Jan 1996	2722	2898	MEMPHIS TULSA	6 Jan 1996 30 Apr 1997	15704 12136	Birth Transfer	Unknown	KUMA	MZ4		
3548	M	~ Mar 1995	WILD	WILD	NAMIBIA MEYER WORMS M	~ May 1995 ~ May 1996 ~ Oct 1996	UNK UNK UNK	Capture Transfer Transfer	Parent	LEROY			
3549	M	15 Sep 1995	2282	2284	OUDTSHORN EICHBERG	15 Sep 1995 6 May 1996	UNK UNK	Birth Transfer	Unknown	SAMANTHA	CC90		
3550	F	15 Sep 1995	2282	2284	OUDTSHORN EICHBERG	15 Sep 1995 6 May 1996	UNK UNK	Birth Transfer	Unknown	SHINGA	CC89		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3551	M	9 Nov 1995	2663	1829	OUDTSHORN DUBAI	9 Nov 1995 ~ 1 Sep 1996	UNK UNK	Birth Transfer	Hand	Tequila	CC91		
3553	M	9 Nov 1995	2663	1829	OUDTSHORN EICHBERG	9 Nov 1995 6 May 1996	UNK UNK	Birth Transfer	Unknown	SMOKEY	CC93		
3554	F	9 Nov 1995	2663	1829	OUDTSHORN EICHBERG	9 Nov 1995 6 May 1996	UNK UNK	Birth Transfer	Unknown	NIKKI	CC94		
3555	M	Dec 1995	2161	1011	HOEDSPRUI ADELAIDE	Dec 1995 24 Apr 1999	UNK UNK	Birth Transfer	Unknown		HOE 68		
3556	M	Dec 1995	2161	1011	HOEDSPRUI GHIAZZA	~ Dec 1995 17 Apr 1997	UNK UNK	Birth Transfer	Unknown		HOE 69		
3557	F	Dec 1995	2161	1011	HOEDSPRUI GHIAZZA	~ Dec 1995 18 Jul 1997	UNK UNK	Birth Transfer	Unknown		HOE 70		
3558	M	2 Jan 1996	2521	1423	HOEDSPRUI GHIAZZA	2 Jan 1996 17 Apr 1997	UNK UNK	Birth Transfer	Unknown		HOE 71		
3559	F	2 Jan 1996	2521	1423	HOEDSPRUI ADELAIDE	2 Jan 1996 24 Apr 1999	UNK UNK	Birth Transfer	Unknown		HOE 72		
3560	F	2 Jan 1996	2521	1423	HOEDSPRUI BOGOR	2 Jan 1996 20 Aug 1997	UNK UNK	Birth Transfer	Unknown		HOE 73		
3561	F	2 Jan 1996	2521	1423	HOEDSPRUI GHIAZZA	2 Jan 1996 17 Apr 1997	UNK UNK	Birth Transfer	Unknown		HOE 74		
3562	M	13 Jan 1996	1992	1989	MUNSTER	13 Jan 1996	21488	Birth	Hand	BANI	MUN 21		
3563	M	13 Jan 1996	1992	1989	MUNSTER BELFAST	13 Jan 1996 15 Apr 1999	21487 3524	Birth Transfer	Hand	KARSAI	MUN 22	0124C10C	
3566	M	3 Feb 1996	2510	2503	WASS BR C SHARJAH	3 Feb 1996 3 Feb 1996	UNK UNK	Birth Transfer	Parent	ZIKOMO	WAS 108		
3567	M	3 Feb 1996	2510	250	WASS BR C RAMAT GAN	3 Feb 1996 16 Dec 1996	UNK 960073	Birth Transfer	Parent	ZORAB	WAS 109		
3569	F	3 Feb 1996	2510	2503	WASS BR C SHARJAH	3 Feb 1996 3 Feb 1996	UNK UNK	Birth Transfer	Parent	ZARA	WAS 111		
3571	M	11 Feb 1996	2268	2264	TSAOBIS	11 Feb 1996	UNK	Birth	Unknown	C.P.	TLP 6		



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3573	M	18 Feb 1996	2663	2284	OUDTSHORN STELLENBO	18 Feb 1996 15 May 1996	UNK UNK	Birth Transfer	Unknown	SHADOW	CC95		
3574	M	1 Apr 1996	WILD	WILD	NAMIBIA ZWAR DIETTERLE	1 May 1996 1 Aug 1996 10 Aug 1996	UNK UNK UNK	Capture Transfer Transfer	Hand				
3575	M	1 Apr 1996	WILD	WILD	NAMIBIA ZWAR FUG	1 May 1996 ~1 Aug 1996 10 Aug 1996	UNK UNK UNK	Capture Transfer Transfer	Hand				
3577	M	5 Apr 1996	1755	2850	LA PALMYR HODENHAGN	5 Apr 1996 5 May 1997	1934 UNK	Birth Loan to	Hand	TALEK	LAP 12		
3582	M	15 Apr 1996	1755	1463	LA PALMYR MADRID Z SELWO	15 Apr 1996 29 Jan 1997 21 Oct 1999	1939 UNK UNK	Birth Transfer Loan to	Parent		LAP 17	00222AE8	
3583	M	15 Apr 1996	1755	1463	LA PALMYR MADRID Z	15 Apr 1996 28 Jan 1997	1940 GU34	Birth Loan to	Parent		LAP 18	0000121121	
3584	F	15 Apr 1996	1755	1463	LA PALMYR HODENHAGN	15 Apr 1996 5 May 1997	1941 UNK	Birth Loan to	Parent		LAP 19		
3585	M	13 Apr 1996	2118	2480	PRET DW	13 Apr 1996	MA286	Birth	Parent		DEW 465		
3586	F	13 Apr 1996	2118	2480	PRET DW ULUSABA PRET DW	13 Apr 1996 5 Oct 1996 26 Jul 1997	FA 282 UNK FA 282	Birth Transfer Loan to	Hand		DEW 466		
3587	F	13 Apr 1996	2118	2480	PRET DW ULUSABA PRET DW	13 Apr 1996 5 Oct 1996 26 Jul 1997	FA 283 UNK FA283	Birth Transfer Loan to	Hand		DEW 467		
3588	F	13 Apr 1996	2118	2480	PRET DW GUANGZHOU	13 Apr 1996 1 Dec 1997	FA 284 UNK	Birth Transfer	Parent		DEW 468		
3589	F	13 Apr 1996	2118	2480	PRET DW MOSCOW	13 Apr 1996 4 Mar 1999	FA 285 UNK	Birth Transfer	Parent		DEW 469		
3590	F	21 Apr 1996	2697	1606	HOEDSPRUI ADELAIDE	21 Apr 1996 24 Apr 1999	UNK UNK	Birth Transfer	Unknown		HOE 75		
3591	F	21 Apr 1996	2697	1606	HOEDSPRUI GHIAZZA	21 Apr 1996 17 Apr 1997	UNK UNK	Birth Transfer	Unknown		HOE 76		
3594	M	27 Apr 1996	2704	2962	HOEDSPRUI	27 Apr 1996	UNK	Birth	Unknown	SEBEKA	HOE 77		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3595	F	27 Apr 1996	2704	2962	HOEDSPRUI LANGLEY	27 Apr 1996 15 Sep 1997	UNK	UNK	Birth Transfer	Unknown		HOE 78	
3596	F	27 Apr 1996	2704	2962	HOEDSPRUI LANGLEY	27 Apr 1996 15 Sep 1997	UNK	UNK	Birth Transfer	Unknown		HOE 79	
3597	F	27 Apr 1996	2704	2962	HOEDSPRUI LANGLEY	27 Apr 1996 15 Sep 1997	UNK	UNK	Birth Transfer	Unknown		HOE 80	
3602	M	9 May 1996	1820	2666	OUDTSHORN	9 May 1996	UNK		Birth	Parent	CAJ	CC96	
3603	M	9 May 1996	1820	2666	OUDTSHORN GHIAZZA	9 May 1996 7 Jan 1998	UNK	UNK	Birth Transfer	Parent	LUCKY	CC97	
3604	M	9 May 1996	1820	2666	OUDTSHORN	9 May 1996	UNK		Birth	Parent	CEEPHA	CC 98	
3605	F	9 May 1996	1820	2666	OUDTSHORN GHIAZZA	9 May 1996 7 Jan 1998	UNK	UNK	Birth Transfer	Parent	SAMBUKA	CC 99	
3606	F	9 May 1996	1820	2666	OUDTSHORN	9 May 1996	UNK		Birth	Parent	PHOENIX	CC100	
3607	M	11 May 1996	2118	2619	PRET DW BEUKLER	11 May 1996 14 Oct 1996	MA 289 UNK		Birth Transfer	Hand		DEW 472	
3608	M	11 May 1996	2118	2619	PRET DW	11 May 1996	MA 290		Birth	Hand		DEW 473	
3609	M	11 May 1996	2118	2619	PRET DW	11 May 1996	MA 293		Birth	Parent		DEW 474	
3610	F	11 May 1996	2118	2619	PRET DW GUANGZHOU	11 May 1996 1 Dec 1997	FA 291 UNK		Birth Transfer	Parent		DEW 475	
3611	F	11 May 1996	2118	2619	PRET DW RIYADH	11 May 1996 12 Oct 1997	FA 292 970189		Birth Transfer	Parent		DEW 476	
3613	F	14 May 1996	2118	3214	PRET DW BEURKLER	14 May 1996 14 Oct 1996	FA 287 UNK		Birth Transfer	Hand		DEW 470	
3615	M	15 May 1996	WILD	WILD	NAMIBIA ZAHN	5 Jun 1996 5 Jun 1996	UNK UNK		Capture Transfer	Hand			
3617	F	15 May 1996	WILD	WILD	NAMIBIA ZAHN	5 Jun 1996 5 Jun 1996	UNK UNK		Capture Transfer	Hand			
3618	F	25 May 1996	1740	1921	SALZBURG PEAUGRES	25 May 1996 16 Jun 1998	M431 UNK		Birth Loan to	Parent		SAL 1	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3622	M	1 Jun 1996	2118	2795	PRET DW	1 Jun 1996	295	Birth	Parent			DEW 478	
3623	F	1 Jun 1996	2118	2795	PRET DW RIYADH	1 Jun 1996 12 Oct 1997	296 970190	Birth Transfer	Parent			DEW 479	
3624	F	2 Jun 1996	2510	2195	AMERSFOOR WASS BR C	2 Jun 1996 2 Jun 1996 10 Jun 1996	M1728 M1728 UNK	Birth Transfer Transfer	Unknown			AM 30	
3625	M	15 Jun 1996	2663	2284	OUDTSHORN DUBAI	15 Jun 1996 18 Feb 1998	UNK UNK	Birth Transfer	Hand	STORMY		CC102	
3626	M	19 Jun 1996	2118	2989	PRET DW RIYADH	19 Jun 1996 12 Oct 1997	297 970188	Birth Transfer	Parent			DEW 480	
3627	F	19 Jun 1996	2118	2989	PRET DW GUANGZHOU	19 Jun 1996 1 Dec 1997	298 UNK	Birth Transfer	Parent			DEW 481	
3629	M	~ 1987	WILD	WILD	NAMIBIA AYWAILLE	~ May 1991 21 Jun 1991	UNK 920109	Capture Transfer	Parent				
3630	F	~ 1990	WILD	WILD	TRANSVAAL PRET DW	~ Aug 1995 1 Sep 1995	UNK FB276	Capture Transfer	Parent				
3632	M	~ 1 Dec 1994	WILD	3630	TRANSVAAL PRET DW	~ Aug 1995 1 Sep 1995	MB280 MB280	Capture Transfer	Parent				
3633	M	1 Dec 1994	WILD	3630	TRANSVAAL PRET DW	~ Aug 1995 1 Sep 1995	MB281 MB281	Capture Transfer	Parent				
3634	F	1 Dec 1994	WILD	3630	TRANSVAAL PRET DW	~ Aug 1995 1 Sep 1995	FB277 FB277	Capture Transfer	Parent				
3635	F	1 Dec 1994	WILD	3630	TRANSVAAL PRET DW	~ Aug 1995 1 Sep 1995	FB278 UNK	Capture Transfer	Parent				
3636	M	1 Jul 1988	WILD	WILD	NAMIBIA CCF KRAAIFONT	9 Oct 1995 1 Nov 1995 25 Jul 1996	UNK 187 187	Capture Transfer Transfer	Parent	MAWIMBE			
3637	F	1 Jan 1996	WILD	WILD	NAMIBIA FUG	1 Aug 1996 1 Aug 1996	UNK UNK	Capture Transfer	Parent	MASEBA			
3638	M	16 Feb 1996	2524	1658	MOSCOW FONTAINE	16 Feb 1996 13 Nov 1997	960011 UNK	Birth Transfer	Unknown	CHIKO		MO573	
3639	M	16 Feb 1996	2524	1658	MOSCOW	16 Feb 1996	MO574	Birth	Unknown			MO574	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					DUBAI	25 Oct 1996		UNK	Transfer				
3640	F	16 Feb 1996	2524	1658	MOSCOW DUBAI	16 Feb 1996 25 Oct 1996		UNK UNK	Birth Transfer	Unknown		MO575	
3642	F	5 Apr 1996	WILD	WILD	S.AFRICAR PRET DW	5 Sep 1996 5 Sep 1996		UNK FB299	Capture Transfer	Parent			
3643	M	1 Mar 1996	WILD	WILD	NAMIBIA HANSSEN	1 Aug 1996 1 Aug 1996		UNK UNK	Capture Transfer	Parent			
3644	M	1 Mar 1996	WILD	WILD	NAMIBIA HANSSEN	1 Aug 1996 1 Aug 1996		UNK UNK	Capture Transfer	Parent			
3645	M	1 Mar 1996	WILD	WILD	NAMIBIA HANSSEN	1 Aug 1996 1 Aug 1996		UNK UNK	Capture Transfer	Parent			
3646	F	1 Jul 1996	WILD	WILD	NAMIBIA HANSSEN	1 Jul 1996 1 Aug 1996		UNK UNK	Capture Transfer	Hand	NANDI		
3656	M	1 Aug 1996	WILD	WILD	NAMIBIA VONLEIPZI	1 Sep 1996 1 Dec 1996		UNK UNK	Capture Transfer	Parent	COMTE		
3660	F	1 Oct 1996	WILD	WILD	NAMIBIA VONLEIPZI	1 Dec 1996 1 Dec 1996		UNK UNK	Capture Transfer	Parent	CLEOPATRA		
3661	M	1 Oct 1996	2305	1829	OUDTSHORN	1 Oct 1996		UNK	Birth	Hand	DESERT	CC95	
3662	F	1 Oct 1996	2305	1829	OUDTSHORN	1 Oct 1996		UNK	Birth	Hand	SAHARA	CC96	
3663	F	1 Oct 1996	2305	1829	OUDTSHORN NORDITALI	1 Oct 1996 ~ Jan 1997		UNK UNK	Birth Transfer	Hand	SANDY	CC97	
3666	F	24 Oct 1996	2193	2152	BATTLE CR COLUMBUS	24 Oct 1996 29 Sep 1998	96M31 982096		Birth Transfer	Hand	MASAI	BP5	
3667	F	24 Oct 1996	2193	2152	BATTLE CR	24 Oct 1996	96M32		Birth	Hand	MARA	BP6	
3668	M	25 Oct 1996	2510	2195	AMERSFOOR WARSAW	25 Oct 1996 5 Apr 1998	UNK S4156		Birth Transfer	Parent	BITOUK	AM31	
3669	M	25 Oct 1996	2510	2195	AMERSFOOR WARSAW	25 Oct 1996 5 Apr 1998	UNK S4155		Birth Transfer	Parent		AM32	
3670	M	27 Oct 1996	2819	2196	SALZBURG PEAUGRES	27 Oct 1996 16 Jun 1998	M487 UNK		Birth Loan to	Parent	CAPTAIN HOSAL3		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3671	M	27 Oct 1996	2819	2196	SALZBURG	27 Oct 1996	M488	Birth	Parent	ANUBIS	SAL4		
3672	F	27 Oct 1996	2819	2196	SALZBURG	27 Oct 1996	M489	Birth	Parent	ETOSHA	SAL5		
3673	F	27 Oct 1996	2819	2196	SALZBURG PEAUGRES	27 Oct 1996 16 Jun 1998	M490 UNK	Birth Loan to	Parent		SAL6		
3675	F	15 Nov 1996	2447	2801	MONTGOMRY	15 Nov 1996	2217	Birth	Hand	CC	MZ2		
3676	M	6 Dec 1996	2220	522	DICKERSON SANDIEGOZ	6 Dec 1996 2 Jun 1997	4598 697051	Birth Transfer	Parent	KRAMER	DPZ16		
3678	F	6 Dec 1996	2220	522	DICKERSON EVANSVILLE	6 Dec 1996 9 Feb 1999	4599 199003	Birth Transfer	Parent		DPZ18		
3679	F	6 Dec 1996	2220	522	DICKERSON	6 Dec 1996	4600	Birth	Parent		DPZ19		
3680	M	~ May 1996	WILD	WILD	NAMIBIA KLUCKNER	~ Jun 1996 ~ Jun 1996	UNK UNK	Capture Transfer	Unknown				
3681	F	~ May 1996	WILD	WILD	NAMIBIA KLUCKNER	~ Jun 1996 ~ Jun 1996	UNK UNK	Capture Transfer	Parent				
3682	F	1 May 1996	WILD	WILD	NAMIBIA KLUCKNER	1 Jun 1996 1 Jun 1996	UNK UNK	Capture Transfer	Parent				
3684	F	~ 1983	WILD	WILD	NAMIBIA CCF JOHANSBERG	5 Jan 1997 5 Jan 1997 11 Jul 1997	UNK 1034 UNK	Capture Transfer Loan to	Parent	PRISCA			
3685	F	~ Jan 1990	WILD	WILD	S.AFRICA ROSENDAL STELLENBO	~ Jan 1990 ~ Jan 1990 ~ 1 Jul 1997	NONE NONE UNK	Capture Transfer Transfer	Unknown	SHA			
3687	F	6 Feb 1994	WILD	WILD	TRANSVAAL PRET DW	~ 1 Feb 1997 ~ 5 Feb 1997	FB303 FB303	Capture Transfer	Parent				
3688	F	11 Feb 1995	1985	1669	FOTA DUBLIN BORAS	11 Feb 1995 15 Jan 1997 10 Jul 1998	FWP133 UNK 97M006	Birth Transfer Loan to	Hand	BLONDIE	FWP107		
3694	F	~ 1 Mar 1995	WILD	WILD	NAMIBIA HANSEN	~ Apr 1995 ~ 1 Jun 1995	UNK UNK	Capture Transfer	Parent	TIBIA			
3696	F	28 Jul 1995	2191	1892	FOTA DUBLIN JADERBERG	28 Jul 1995 15 Jan 1997 8 Jul 1998	FWP139 UNK 97M005	Birth Transfer Loan to	Hand	BEN	FWP113		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3699	F	15 Sep 1995	WILD	WILD	NAMIBIA HANSSEN	29 May 1997 29 May 1997	UNK UNK	Capture Transfer	Parent		RINGO		
3700	F	~ 1 Jan 1996	WILD	WILD	SOUTH AFR HOEDSPRUI	12 Aug 1997 12 Aug 1997	UNK UNK	Capture Transfer	Unknown		STEFFIE		
3702	M	~ Jun 1996	WILD	WILD	NAMIBIA CCF JOHANSBRG	5 Jan 1997 5 Jan 1997 11 Jul 1997	UNK UNK UNK	Capture Transfer Loan to	Parent		AFRA		
3704	F	~ Jun 1996	WILD	WILD	NAMIBIA CCF JOHANSBRG	5 Jan 1997 5 Jan 1997 11 Jul 1997	UNK UNK UNK	Capture Transfer Loan to	Parent		ZOE		
3705	M	6 Sep 1996	2399	3332	HOEDSPRUI LANGLEY	6 Sep 1996 15 Jul 1997	UNK UNK	Birth Transfer	Unknown				HOE81
3706	F	6 Sep 1996	2399	3332	HOEDSPRUI	6 Sep 1996	UNK	Birth	Unknown				HOE82
3707	F	6 Sep 1996	2399	3332	HOEDSPRUI	6 Sep 1996	UNK	Birth	Unknown				HOE83
3708	M	15 Sep 1996	2705	2553	HOEDSPRUI ADELAIDE	15 Sep 1996 24 Apr 1999	UNK UNK	Birth Transfer	Unknown				HOE84
3709	M	15 Sep 1996	2705	2553	HOEDSPRUI ADELAIDE	15 Sep 1996 24 Apr 1999	UNK UNK	Birth Transfer	Unknown				HOE85
3710	M	15 Sep 1996	2705	2553	HOEDSPRUI ADELAIDE	15 Sep 1996 24 Apr 1999	UNK UNK	Birth Transfer	Unknown				HOE86
3711	M	15 Sep 1996	2705	2553	HOEDSPRUI BOGOR	15 Sep 1996 20 Aug 1997	UNK UNK	Birth Transfer	Unknown				HOE87
3712	M	15 Sep 1996	2705	2553	HOEDSPRUI BOGOR	15 Sep 1996 20 Aug 1997	UNK UNK	Birth Transfer	Unknown				HOE88
3713	F	15 Sep 1996	2705	2553	HOEDSPRUI GHIAZZA	15 Sep 1996 17 Apr 1997	UNK UNK	Birth Transfer	Unknown				HOE89
3714	F	15 Sep 1996	2705	2553	HOEDSPRUI GHIAZZA	15 Sep 1996 17 Apr 1997	UNK UNK	Birth Transfer	Unknown				HOE90
3715	M	18 Sep 1996	2385	2401	HOEDSPRUI ADELAIDE	18 Sep 1996 24 Apr 1999	UNK UNK	Birth Transfer	Unknown				HOE91
3717	M	18 Sep 1996	2385	2401	HOEDSPRUI	18 Sep 1996	UNK	Birth	Unknown				HOE93

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					BOGOR	20 Aug 1997	UNK	Transfer					
3718	F	18 Sep 1996	2385	2401	HOEDSPRUI	18 Sep 1996	UNK	Birth	Unknown		HOE94		
3719	M	27 Oct 1996	WILD	WILD	SOUTH AFR JOHANSBRG	~ 1996 27 Feb 1997	UNK 2911	Capture Transfer	Hand	JUBA			
3720	F	~ 1 Nov 1996	WILD	WILD	SOUTH AFR HOEDSPRUI	28 Apr 1997 28 Apr 1997	UNK UNK	Capture Transfer	Parent				
3721	M	2 Nov 1996	2715	2242	TORONTO	2 Nov 1996	32015	Birth	Unknown				
3722	M	18 Dec 1996	2701	2461	BELFAST LA PALMYR	18 Dec 1996 12 Jan 1999	2568 UNK	Birth Transfer	Parent		B265	1BB B49F	
3723	F	18 Dec 1996	2701	2461	BELFAST	18 Dec 1996	2566	Birth	Parent		B267	1BB 3C 48	
3724	F	18 Dec 1996	2701	2461	BELFAST MUNSTER	18 Dec 1996 9 Dec 1998	2567 UNK	Birth Loan to	Parent		B268	1BB 6EA5	
3725	F	18 Dec 1996	2701	2461	BELFAST PARIS ZOO	18 Dec 1996 8 Dec 1998	2565 UNK	Birth Loan to	Parent		B266	1BB B1E8	
3727	F	1 Jan 1997	WILD	WILD	SOUTH AFR HOEDSPRUI	1 Mar 1997 1 Mar 1997	UNK UNK	Capture Transfer	Unknown	WILLEMIEN			
3728	F	6 Jan 1997	3005	2706	HOEDSPRUI BOGOR	6 Jan 1997 20 Aug 1997	UNK UNK	Birth Transfer	Unknown		HOE95		
3729	F	6 Jan 1997	3005	2706	HOEDSPRUI ADELAIDE	6 Jan 1997 24 Apr 1999	UNK UNK	Birth Transfer	Unknown		HOE96		
3730	F	6 Jan 1997	3005	2706	HOEDSPRUI HUNT	6 Jan 1997 9 Dec 1998	UNK NONE	Birth Transfer	Unknown		HOE97		
3731	M	7 Jan 1997	2521	3351	HOEDSPRUI	7 Jan 1997	UNK	Birth	Unknown		HOE99		
3732	F	7 Jan 1997	2521	3351	HOEDSPRUI LISBON	7 Jan 1997 17 Sep 1998	UNK 6356	Birth Transfer	Unknown		HOE100	000144A6BOT	
3739	M	9 Jan 1997	2378	1606	HOEDSPRUI	9 Jan 1997	UNK	Birth	Unknown		HOE101		
3741	M	17 Jan 1997	3149	1993	WASS BR C	17 Jan 1997	UNK	Birth	Hand	DYANGO	WAS114		
3742	M	17 Jan 1997	3149	1993	WASS BR C	17 Jan 1997	UNK	Birth	Hand	DYINN	WAS115		
3745	M	5 Feb 1997	2871	2174	HIMEJI	5 Feb 1997	HC-110	Birth	Parent	HIO	HCP84		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3748	F	5 Feb 1997	2871	2174	HIMEJI	5 Feb 1997	HC-113	Birth	Parent	HERUGA	HCP87		
3750	F	17 Mar 1997	2117	2480	PRET DW	17 Mar 1997	FA304	Birth	Hand		DEW483		
3751	F	17 Mar 1997	2117	2480	PRET DW RIYADH	17 Mar 1997 24 Aug 1998	FE038 UNK	Birth Transfer	Hand		DEW484		
3753	M	2 Apr 1997	1755	2850	LA PALMYR CHAMPREP	2 Apr 1997 27 Feb 1998	2111 2111	Birth Transfer	Parent		LP20	00-0014-2027	
3754	M	2 Apr 1997	1755	2850	LA PALMYR CHAMPREP	2 Apr 1997 27 Feb 1998	2112 2112	Birth Transfer	Parent		LP21	00-0012-DCF9	
3755	M	2 Apr 1997	1755	2850	LA PALMYR	2 Apr 1997	2113	Birth	Parent		LP22	00-0022-8093	
3756	F	2 Apr 1997	1755	2850	LA PALMYR	2 Apr 1997	2114	Birth	Parent		LP23	00-001D-5622	
3757	F	2 Apr 1997	1755	2850	LA PALMYR	2 Apr 1997	2115	Birth	Parent		LP24	00-0012-5D76	
3758	M	6 Apr 1997	2447	2801	MONTGOMRY CALDWELL DISNEY AK	6 Apr 1997 21 Jan 1998 21 Jan 1998	2268 00397 NONE	Birth Transfer Transfer	Parent		M23		
3760	M	6 Apr 1997	2447	2801	MONTGOMRY BATONROUG	6 Apr 1997 15 Apr 1997	2270 8050	Birth Transfer	Hand	MWINDAJA	M25		
3761	F	6 Apr 1997	2447	2801	MONTGOMRY DISNEY AK	6 Apr 1997 21 Jan 1998	2267 UNK	Birth Transfer	Parent		M26		
3762	M	21 Apr 1997	3102	2433	PEAUGRES CHAMPREP	21 Apr 1997 18 May 1998	36 UNK	Birth Loan to	Parent	BOY	SDP13		
3763	M	21 Apr 1997	3102	2433	PEAUGRES CHAMPREP	21 Apr 1997 18 May 1998	37 UNK	Birth Loan to	Parent	BENHUR	SDP14		
3766	F	21 Apr 1997	3102	2433	PEAUGRES MULHOUSE	21 Apr 1997 1 Dec 1998	40 980267	Birth Loan to	Parent	BAHAMAS	SDP17		
3767	M	2 May 1997	2399	2962	HOEDSPRUI	2 May 1997	UNK	Birth	Unknown	BERNARD	IIHOE102		
3768	M	2 May 1997	2399	2962	HOEDSPRUI TSWALA	2 May 1997 1 Aug 1997	UNK NONE	Birth Transfer	Unknown		HOE103		
3769	M	2 May 1997	2399	2962	HOEDSPRUI TSWALA	2 May 1997 1 Aug 1997	UNK NONE	Birth Transfer	Unknown		HOE104		



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3770	F	2 May 1997	2399	2962	HOEDSPRUI	2 May 1997	UNK	Birth	Unknown	ADINE	HOE105		
3776	M	5 May 1997	2543	1423	HOEDSPRUI	5 May 1997	UNK	Birth	Unknown	ALEX	HOE106		
3777	M	5 May 1997	2543	1423	HOEDSPRUI THORNYBUS	5 May 1997 1 Aug 1997	UNK NONE	Birth Transfer	Unknown		HOE107		
3778	F	5 May 1997	2543	1423	HOEDSPRUI TSWALA	5 May 1997 1 Aug 1997	UNK NONE	Birth Transfer	Unknown		HOE108		
3779	M	10 May 1997	2510	2503	WASS BR C	10 May 1997	UNK	Birth	Hand	EZRA	WAS118		
3782	F	8 Jun 1997	2117	3213	PRET DW	8 Jun 1997	FA306	Birth	Hand		DEW486		
3783	F	13 Jun 1996	WILD	WILD	UNKNOWN PRET POT OUDTSHORN	~ Jul 1996 13 Jul 1997 23 Jul 1999	UNK P93422 UNK	Capture Transfer Loan to	Parent				
3784	F	1 Jun 1996	WILD	WILD	UNKNOWN PRET POT OUDTSHORN	~ Jun 1996 13 Jul 1997 23 Jul 1999	UNK P93423 UNK	Capture Transfer Loan to	Unknown				
3786	F	17 Jun 1997	2118	3074	PRET DW METROZOO	17 Jun 1997 15 Mar 1998	MA308 UNK	Birth Transfer	Hand		DEW488		
3787	F	17 Jun 1997	2118	3074	PRET DW	17 Jun 1997	FA309	Birth	Hand		DEW489		
3789	F	11 Jul 1997	2715	2242	TORONTO ROCKTON	11 Jul 1997 20 May 1998	32892 UNK	Birth Loan to	Hand	XENA	TOR32		
3790	F	11 Jul 1997	2715	2242	TORONTO ROCKTON	11 Jul 1997 20 May 1998	32893 UNK	Birth Loan to	Hand	ZELDA	TOR33		
3791	F	11 Jul 1997	2715	2242	TORONTO	11 Jul 1997	32894	Birth	Hand	ZOEY	TOR34		
3792	M	7 Aug 1997	3382	3332	HOEDSPRUI LISBON	7 Aug 1997 17 Sep 1998	UNK 6352	Birth Transfer	Unknown		HOE109	0001437A397	
3793	F	7 Aug 1997	3382	3332	HOEDSPRUI LISBON BRAVA	7 Aug 1997 17 Sep 1998 18 Jan 1999	UNK 6355 UNK	Birth Transfer Transfer	Unknown		HOE110	000143E335T	
3794	F	7 Aug 1997	3382	3332	HOEDSPRUI	7 Aug 1997	UNK	Birth	Unknown		HOE111		
3795	F	7 Aug 1997	3382	3332	HOEDSPRUI LISBON BRAVA	7 Aug 1997 17 Sep 1998 18 Jan 1999	UNK 6357 UNK	Birth Transfer Transfer	Unknown		HOE112	000143E6ATT	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3796	M	2 Sep 1997	2552	1423	HOEDSPRUI LISBON BRAVA	2 Sep 1997 17 Sep 1998 18 Jan 1999	UNK 6353 UNK	Birth Transfer Transfer	Unknown		HOE113	000143AD4DT	
3797	F	2 Sep 1997	2552	1423	HOEDSPRUI LISBON	2 Sep 1997 17 Sep 1998	UNK 6354	Birth Transfer	Unknown		HOE114	0001431FEOT	
3802	M	12 Sep 1997	2306	2303	STELLENBO	12 Sep 1997	UNK	Birth	Hand		COR1		
3803	M	12 Sep 1997	2306	2303	STELLENBO CINCINNAT	12 Sep 1997 ~15 May 1998	UNK UNK	Birth Transfer	Hand		COR2		
3804	F	12 Sep 1997	2306	2303	STELLENBO	12 Sep 1997	UNK	Birth	Hand		COR3		
3805	?	22 Oct 1997	2543	1011	HOEDSPRUI	22 Oct 1997	UNK	Birth	Parent		HOE115		
3806	M	22 Oct 1997	2543	1011	HOEDSPRUI	22 Oct 1997	UNK	Birth	Parent		HOE116		
3807	M	22 Oct 1997	2543	1011	HOEDSPRUI	22 Oct 1997	UNK	Birth	Parent		HOE117		
3808	M	22 Oct 1997	2543	1011	HOEDSPRUI	22 Oct 1997	UNK	Birth	Parent		HOE118		
3809	M	22 Oct 1997	2543	1011	HOEDSPRUI	22 Oct 1997	UNK	Birth	Parent		HOE119		
3810	F	9 Oct 1997	2521	2553	HOEDSPRUI	9 Oct 1997	UNK	Birth	Parent		HOE120		
3811	F	9 Oct 1997	2521	2553	HOEDSPRUI	9 Oct 1997	UNK	Birth	Parent		HOE121		
3812	M	9 Oct 1997	2521	2553	HOEDSPRUI	9 Oct 1997	UNK	Birth	Parent		HOE122		
3813	M	9 Oct 1997	2521	2553	HOEDSPRUI	9 Oct 1997	UNK	Birth	Parent		HOE123		
3814	M	9 Oct 1997	2521	2553	HOEDSPRUI	9 Oct 1997	UNK	Birth	Parent		HOE124		
3815	M	9 Oct 1997	2521	2553	HOEDSPRUI	9 Oct 1997	UNK	Birth	Parent		HOE125		
3817	M	~ Mar 1996	WILD	WILD	OMARURU OUDTSHORN	30 May 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent	OTJI			
3821	M	10 Aug 1997	2794	2666	OUDTSHORN UNKNOWN	10 Aug 1997 18 Feb 1998	UNK UNK	Birth Transfer	Hand	CAIN			
3822	M	10 Aug 1997	2794	2666	OUDTSHORN	10 Aug 1997	UNK	Birth	Parent				
3827	M	~ Oct 1996	WILD	3826	OMARURU OUDTSHORN	~ Jan 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent	SAINT			

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3828	M	~ Oct 1996	WILD	3826	OMARURU OUDTSHORN	~ Jan 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent		SAVUE		
3829	M	~ Oct 1996	WILD	3826	OMARURU OUDTSHORN	~ Jan 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent		MAX		
3830	M	1 Jun 1997	WILD	WILD	OKAHANJA OUDTSHORN	~ 1 Sep 1997 ~ 1 Jan 1998	UNK UNK	Capture Transfer	Parent		BRYDEN		
3831	M	~ Jun 1997	WILD	WILD	OKAHANJA OUDTSHORN	~ Sep 1997 ~ 1 Jan 1998	UNK UNK	Capture Transfer	Parent		SHARP		
3832	F	~ Jun 1997	WILD	WILD	OKAHANJA OUDTSHORN	~ Sep 1997 ~ 1 Jan 1998	UNK UNK	Capture Transfer	Parent		THUNDER		
3833	M	~ Apr 1996	WILD	WILD	OKAHANJA OUDTSHORN	1 Apr 1997 1 Aug 1997	UNK UNK	Capture Transfer	Parent		JOCHIN		
3834	F	~ Apr 1996	WILD	WILD	OKAHANJA OUDTSHORN	1 Apr 1997 1 Aug 1997	UNK UNK	Capture Transfer	Parent		RAIN		
3835	F	~ Apr 1996	WILD	WILD	OKAHANJA OUDTSHORN	1 Apr 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent		ELLY		
3836	M	~ Oct 1996	WILD	WILD	OKAHANJA OUDTSHORN	15 May 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent		ROSS		
3837	M	~ Oct 1996	WILD	WILD	OKAHANJA OUDTSHORN GHIAZZA R	15 May 1997 ~ 1 Aug 1997 7 Jan 1998	UNK UNK NONE	Capture Transfer Transfer	Parent		STING		
3838	F	~ 1996	WILD	WILD	OMARURU OUDTSHORN GHIAZZA	~ 1997 ~ 1 Jan 1998 7 Jan 1998	UNK UNK UNK	Capture Transfer Transfer	Parent		NIVEA		
3839	F	~ Jun 1996	WILD	WILD	OKAHANJA OUDTSHORN	~ 1 Sep 1997 ~ 1 Jan 1998	UNK UNK	Capture Transfer	Parent		KWANG		
3840	F	~ Jan 1997	WILD	WILD	OKAHANJA OUDTSHORN	~ Jan 1997 ~ 1 Jan 1998	UNK UNK	Capture Transfer	Parent		KATJA		
3841	M	~ Jul 1991	WILD	WILD	OKAHANJA OUDTSHORN	8 Apr 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent		FRITZ		
3842	F	~ May 1996	WILD	WILD	OMARURU OUDTSHORN	15 Jun 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent		SAVANAH		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3843	M	~ Jan 1996	WILD	WILD	OMARURU OUDTSHORN	~ 1 Jul 1997 ~ 1 Aug 1997	UNK UNK	Capture Transfer	Parent		NAM		
3844	M	29 Aug 1997	2136	2983	YULEE LAKEBUENA	29 Aug 1997 18 Dec 1997	NONE UNK	Birth Transfer	Parent	W048		0001D34443	
3845	M	29 Aug 1997	2136	2983	YULEE LAKEBUENA	29 Aug 1997 18 Dec 1997	NONE UNK	Birth Transfer	Parent	W049		000141BCA1	
3846	F	29 Aug 1997	2136	2983	YULEE LAKEBUENA	29 Aug 1997 18 Dec 1997	NONE UNK	Birth Transfer	Parent	W050		0001D1CE9A	
3847	F	29 Aug 1997	2136	2983	YULEE LAKEBUENA	29 Aug 1997 18 Dec 1997	NONE UNK	Birth Transfer	Parent	W051		00013AB5C7	
3851	F	19 Nov 1997	2676	3219	PRAHA	19 Nov 1997	NONE	Birth	Parent			ZZP33	
3852	F	19 Nov 1997	2676	3219	PRAHA	19 Nov 1997	NONE	Birth	Parent			ZZP34	
3853	M	~ Jun 1997	WILD	WILD	NAMIBIA E KOTZE	~ Sep 1997 ~ Sep 1997	NONE NONE	Capture Transfer	Parent		SHINGA		
3854	F	~ Jun 1997	WILD	WILD	NAMIBIA E KOTZE	~ Sep 1997 ~ Sep 1997	NONE NONE	Capture Transfer	Parent		MISCHA		
3855	M	~ 1992	WILD	WILD	NAMIBIA HEIMSTADT CCF HEIMSTADT	~ 1 Oct 1997 ~ 5 Oct 1997 ~10 Oct 1997 12 Feb 1998	NONE NONE NONE NONE	Capture Transfer Transfer Loan to	Parent				
3856	M	~ 1992	WILD	WILD	NAMIBIA HEIMSTADT CCF HEIMSTADT	~ 1 Oct 1997 ~ 5 Oct 1997 ~10 Oct 1997 12 Feb 1998	NONE NONE NONE NONE	Capture Transfer Transfer Loan to	Parent				
3861	F	~ Mar 1996	WILD	WILD	NAMIBIA P MALAN CCF	6 Mar 1997 6 Mar 1997 8 Mar 1997	NONE NONE NONE	Capture Transfer Transfer	Parent		PRINCESS L		
3862	M	~ Dec 1988	WILD	WILD	NAMIBIA ZOOANIMAL AUGSBURG NURNBERG AUGSBURG	1 Dec 1989 10 Dec 1989 16 Dec 1989 24 Jun 1996 15 Oct 1998	UNK NONE 89227 M01029 89227	Capture Transfer Transfer Transfer Loan to	Parent		AXON		
3863	M	~ 1988	WILD	WILD	NAMIBIA ZOOANIMAL	~ Dec 1989 ~ Dec 1989	NONE NONE	Capture Transfer	Parent		MANGA		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					AUGSBURG	16 Dec 1989	89228	Transfer					
					NURNBERG	24 Jun 1996	M01030	Transfer					
					AUGSBURG	15 Oct 1998	89228	Loan to					
3877	M	~ Jul 1992	WILD	WILD	NAMIBIA	~ 1996	AJ138	Capture	Parent		JAWS		
					HANSSSEN	10 Sep 1996	AJ138	Transfer					
3879	F	~ Jul 1988	WILD	WILD	NAMIBIA	~ 1997	AJ250	Capture	Parent		SARAH		
					HANSSSEN	1 Jan 1998	AJ250	Transfer					
3880	M	~ Jun 1996	WILD	WILD	NAMIBIA	~ 1997	AJ187	Capture	Parent		WILLOW		
					HANSSSEN	5 Jul 1997	AJ187	Transfer					
3881	M	~ May 1997	WILD	WILD	NAMIBIA	~ 1998	AJ255	Capture	Parent		WALLACE		
					HANSSSEN	3 Mar 1998	AJ255	Transfer					
3882	F	~ 1997	WILD	WILD	NAMIBIA	~ 1997	UNK	Capture	Parent		GROMIT		
					HANSSSEN	30 Dec 1997	UNK	Transfer					
3883	F	~ Dec 1996	WILD	WILD	NAMIBIA	~ 1997	AJ244	Capture	Parent		PEGASUS		
					HANSSSEN	2 Dec 1997	AJ244	Transfer					
3884	M	~ Jul 1997	WILD	WILD	NAMIBIA	~ 1998	AJ249	Capture	Parent		TAURUS		
					HANSSSEN	7 Jan 1998	AJ249	Transfer					
3885	M	~ 1997	WILD	WILD	NAMIBIA	~ 1997	UNK	Capture	Parent		HECTOR		
					HANSSSEN	30 Nov 1997	UNK	Transfer					
3886	M	~ 1997	WILD	WILD	NAMIBIA	~ 1997	UNK	Capture	Parent		HERCULES		
					HANSSSEN	30 Nov 1997	UNK	Transfer					
3887	M	~ 1997	WILD	WILD	NAMIBIA	~ 1997	UNK	Capture	Parent		HADAR		
					HANSSSEN	30 Nov 1997	UNK	Transfer					
3888	F	~ 1997	WILD	WILD	NAMIBIA	~ 1997	AJ228	Capture	Parent		PORTIA		
					HANSSSEN	30 Nov 1997	AJ228	Transfer					
3889	F	~ Dec 1997	WILD	WILD	NAMIBIA	~ 1998	AJ256	Capture	Parent		PUCK		
					HANSSSEN	5 Mar 1998	AJ256	Transfer					
3890	M	~ 1997	WILD	WILD	NAMIBIA	~ 1997	AJ200	Capture	Parent		CHEETAH		
					HANSSSEN	15 Oct 1997	AJ200	Transfer					
3891	F	~ 1993	WILD	WILD	NAMIBIA	30 Dec 1997	NONE	Capture	Parent				
					VONSEYDLI	30 Dec 1997	293	Transfer					
3892	M	~ 1993	WILD	WILD	NAMIBIA	2 Jul 1998	267	Capture	Parent		ANDRE		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					VONSEYDLI	2 Jul 1998	267	Transfer					
3895	M	15 May 1998	UNK	2195	AMERSFOOR WASS BR C	15 May 1998 29 Apr 1999	M1978 UNK	Birth Loan to	Parent	IDOLE	AM34		
3896	M	15 May 1998	UNK	2195	AMERSFOOR WASS BR C	15 May 1998 29 Apr 1999	M1979 UNK	Birth Loan to	Parent	INONGE	AM35		
3897	F	15 May 1998	UNK	2195	AMERSFOOR	15 May 1998	M1980	Birth	Parent	ICA	AM36		
3898	F	15 May 1998	UNK	2195	AMERSFOOR WASS BR C	15 May 1998 29 Nov 1999	M1981 UNK	Birth Transfer	Parent	IDHUNA	AM37		
3899	F	~ 1990	WILD	WILD	NAMIBIA DIETTERLE	~ 1997 ~ May 1998	NONE UNK	Capture Transfer	Parent				
3900	M	16 Oct 1997	1936	2256	WASS BR C NEUWIED	16 Oct 1997 15 Jan 1999	UNK UNK	Birth Transfer	Unknown	GHALI	WAS 119		
3901	M	16 Oct 1997	1936	2256	WASS BR C HODENHAGN	16 Oct 1997 4 May 1999	UNK UNK	Birth Transfer	Unknown	GUSII	WAS 120		
3902	F	16 Oct 1997	1936	2256	WASS BR C WARSAW	16 Oct 1997 23 Oct 1998	UNK UNK	Birth Transfer	Unknown	GIZA	WAS 121		
3903	F	16 Oct 1997	1936	2256	WASS BR C NEUWIED	16 Oct 1997 15 Jan 1999	UNK UNK	Birth Transfer	Unknown	GUMBA	WAS 122		
3904	M	26 Aug 1997	1619	1993	WASS BR C VDBRINK DUBAI	26 Aug 1997 ~ Jan 1998 3 Mar 1998	UNK UNK UNK	Birth Transfer Transfer	Unknown	FLYNN	WAS 123		
3906	M	~ Jan 1996	WILD	WILD	NAMIBIA HIMEJI	~ Jan 1997 26 Dec 1997	NONE HC 114	Capture Transfer	Parent	BONNIE			
3907	F	~ 1996	WILD	WILD	NAMIBIA HIMEJI	~ Jan 1997 26 Dec 1997	NONE HC 115	Capture Transfer	Unknown	CRIDE			
3912	F	6 Nov 1997	1722	3512	ORANA	6 Nov 1997	97034	Birth	Parent	YATIMA	OP16		
3913	F	6 Nov 1997	1722	3512	ORANA	6 Nov 1997	97035	Birth	Parent	KASKAZI	OP17		
3914	M	6 Nov 1997	1722	3512	ORANA	6 Nov 1997	97036	Birth	Parent	KAITOA	OP18		
3915	F	27 Jul 1998	3151	2241	WINSTON	27 Jul 1998	980112	Birth	Hand	TUKANA	WS130		
3916	F	28 Jul 1998	3151	2241	WINSTON	28 Jul 1998	980113	Birth	Hand	JALANI	WS131		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3917	M	28 Mar 1998	3496	3045	HILVARENB	28 Mar 1998	M98025	Birth	Parent	JASKER	BB39	000144BF7E	
3918	M	28 Mar 1998	3496	3045	HILVARENB	28 Mar 1998	M98026	Birth	Parent	IVAR	BB40	0001BBAA07	
3919	F	28 Mar 1998	3496	3045	HILVARENB	28 Mar 1998	M98027	Birth	Parent	BRITT	BB41	00013D3A1B	
3920	F	28 Mar 1998	3496	3045	HILVARENB	28 Mar 1998	M98028	Birth	Parent	JUTA	BB40	000143894B	
3921	M	14 May 1998	1936	3068	WASS BR C ARNEAU	14 May 1998 11 May 1999	UNK UNK	Birth Transfer	Parent	HAJAMBO	WAS125		
3922	F	14 May 1998	1936	3068	WASS BR C NEUWIED	14 May 1998 28 May 1999	UNK UNK	Birth Transfer	Parent	HAVITA	WAS126		
3923	F	14 May 1998	1936	3068	WASS BR C AMERSFOOR	14 May 1998 26 May 1999	UNK UNK	Birth Transfer	Parent	HIMA	WAS127		
3924	M	19 May 1998	1936	3121	WASS BR C ARNEAU	19 May 1998 11 May 1999	UNK UNK	Birth Transfer	Parent	JIWAN	WAS128		
3925	M	19 May 1998	1936	3121	WASS BR C REYNOU	19 May 1998 14 Apr 1999	UNK UNK	Birth Transfer	Parent	JUCAR	WAS129		
3926	F	19 May 1998	1936	3121	WASS BR C AMERSFOOR	19 May 1998 26 May 1999	UNK UNK	Birth Transfer	Parent	JEMAJA	WAS130		
3927	F	19 May 1998	1936	3121	WASS BR C NEUWIED	19 May 1998 28 May 1999	UNK UNK	Birth Transfer	Parent	JESSI	WAS131		
3928	M	22 May 1998	3484	2503	WASS BR C NEUWIED	22 May 1998 28 May 1999	UNK UNK	Birth Transfer	Parent	KUMI	WAS132		
3929	F	22 May 1998	3484	2503	WASS BR C ARNEAU	22 May 1998 11 May 1999	UN UNK	Birth Transfer	Parent	KAYLEE	WAS133		
3930	F	22 May 1998	3484	2503	WASS BR C REYNOU	22 May 1998 14 Apr 1999	UNK UNK	Birth Transfer	Parent	KENDA	WAS134		
3932	M	11 Feb 1998	3402	3274	SHIRAHAMA HIMEJI	11 Feb 1998 22 Dec 1999	359 359	Birth Loan to	Parent	KAHRIS	AW87		
3933	M	11 Feb 1998	3402	3274	SHIRAHAMA	11 Feb 1998	360	Birth	Parent	MICK	AW88		
3934	M	11 Feb 1998	3402	3274	SHIRAHAMA	11 Feb 1998	361	Birth	Parent	DENIRO	AW89		
3935	F	11 Feb 1998	3402	3274	SHIRAHAMA	11 Feb 1998	362	Birth	Hand	MARAIA	AW90		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3938	M	26 Apr 1998	3402	2872	SHIRAHAMA	26 Apr 1998	365	Birth	Parent	KANATA	AW93		
3939	M	26 Apr 1998	3402	2872	SHIRAHAMA	26 Apr 1998	366	Birth	Parent	NAGISA	AW94		
3942	F	1 May 1998	2385	2544	HOEDSPRUI	1 May 1998	UNK	Birth	Unknown	NICKY	HOE126		
3943	F	1 May 1998	2385	2544	HOEDSPRUI	1 May 1998	UNK	Birth	Unknown	ANGIE	HOE127		
3944	F	~ Apr 1998	WILD	WILD	MESINABAY HOEDSPRUI	7 Aug 1998 7 Aug 1998	UNK UNK	Capture Transfer	Parent				
3945	F	~ Apr 1998	WILD	WILD	MESINABAY HOEDSPRUI	7 Aug 1998 7 Aug 1998	UNK UNK	Capture Transfer	Parent				
3946	M	15 Apr 1998	2705	2553	HOEDSPRUI	15 Apr 1998	UNK	Birth	Unknown		HOE128		
3947	F	15 Apr 1998	2705	2553	HOEDSPRUI KUALA LUM	15 Apr 1998 1 Nov 1999	UNK UNK	Birth Transfer	Unknown		HOE129		
3950	F	~ 1994	WILD	WILD	SOUTH AFR HOEDSPRUI	~ 1998 ~ 1998	NONE NONE	Capture Transfer	Parent	DAN KRUGER			
3951	M	~ Apr 1998	WILD	WILD	SOUTH AFR HOEDSPRUI	~ Apr 1998 ~ Apr 1998	NONE NONE	Capture Transfer	Parent				
3952	M	~ Apr 1998	WILD	WILD	SOUTH AFR HOEDSPRUI	~ Apr 1998 ~ Apr 1998	NONE NONE	Capture Transfer	Parent				
3953	M	3 Dec 1998	2552	2401	HOEDSPRUI KUALA LUM	3 Dec 1998 1 Nov 1999	UNK UNK	Birth Transfer	Unknown	OGIE	HOE130		
3954	M	3 Dec 1998	2552	2401	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown	ROOTITJIE	HOE131		
3955	M	3 Dec 1998	2552	2401	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown	SAMPIE	HOE132		
3956	M	3 Dec 1998	2552	2401	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown	EISIE	HOE133		
3957	M	19 Apr 1998	2396	1577	HOEDSPRUI	19 Apr 1998	UNK	Birth	Unknown		HOE134		
3958	F	19 Apr 1998	2396	1577	HOEDSPRUI	19 Apr 1998	UNK	Birth	Unknown		HOE135		
3959	M	26 Dec 1998	2372	1423	HOEDSPRUI	26 Dec 1998	UNK	Birth	Unknown		HOE136		
3960	F	26 Dec 1998	2372	1423	HOEDSPRUI	26 Dec 1998	UNK	Birth	Unknown		HOE137		
3961	F	26 Dec 1998	2372	1423	HOEDSPRUI	26 Dec 1998	UNK	Birth	Unknown		HOE138		



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3963	F	7 Apr 1998	2635	2989	PRET DW PERTH	7 Apr 1998 27 Jan 1999	FA 311 UNK	Birth Transfer	Hand				DEW491
3964	M	7 Apr 1998	2635	2989	PRET DW	7 Apr 1998	MA 312	Birth	Hand				DEW492
3965	M	~ Jun 1997	WILD	WILD	MADIKWEGR PRET DW	28 Dec 1997 ~ 1998	UNK MA313	Capture Transfer	Parent				
3966	M	16 May 1998	2117	2480	PRET DW AUBURN	16 May 1998 14 Dec 1998	MA 314 UNK	Birth Transfer	Hand				DEW494
3967	F	16 May 1998	2117	2480	PRET DW AUBURN	16 May 1998 14 Dec 1998	FA 315 UNK	Birth Transfer	Hand				DEW495
3968	F	2 Jul 1998	2774	2796	PRET DW	2 Jul 1998	FA 316	Birth	Parent				DEW498
3969	F	2 Jul 1998	2774	2796	PRET DW	2 Jul 1998	FA 317	Birth	Parent				DEW499
3970	F	2 Jul 1998	2774	2796	PRET DW	2 Jul 1998	FA 318	Birth	Parent				DEW500
3971	M	2 Jul 1998	2774	2796	PRET DW	2 Jul 1998	MA 319	Birth	Parent				DEW501
3972	M	2 Jul 1998	2774	2796	PRET DW	2 Jul 1998	MA 320	Birth	Parent				DEW502
3974	M	9 Jul 1998	2635	3265	PRET DW	9 Jul 1998	MA 322	Birth	Hand				DEW504
3975	M	9 Jul 1998	2635	3265	PRET DW	9 Jul 1998	MA 323	Birth	Hand				DEW505
3976	M	2 Oct 1998	2136	2983	YULEE	2 Oct 1998	980325	Birth	Parent				W055
3977	M	2 Oct 1998	2136	2983	YULEE	2 Oct 1998	980326	Birth	Parent				W056
3978	F	2 Oct 1998	2136	2983	YULEE	2 Oct 1998	980327	Birth	Parent				W057
3979	F	2 Oct 1998	2136	2983	YULEE	2 Oct 1998	980328	Birth	Parent				W058
3980	M	20 Jul 1998	2635	3413	PRET DW	20 Jul 1998	MA 324	Birth	Parent				DEW506
3981	M	20 Jul 1998	2635	3413	PRET DW	20 Jul 1998	MA 325	Birth	Parent				DEW507
3982	F	20 Jul 1998	2635	3413	PRET DW	20 Jul 1998	FA 326	Birth	Parent				DEW508
3983	F	20 Jul 1998	2635	3413	PRET DW	20 Jul 1998	FA 327	Birth	Parent				DEW509
3984	F	21 Jul 1998	2635	2133	PRET DW	21 Jul 1998	FA 328	Birth	Parent				DEW510
3985	M	21 Jul 1998	2635	2133	PRET DW	21 Jul 1998	MA 329	Birth	Parent				DEW511

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
3986	M	17 Oct 1998	2117	2480	PRET DW	17 Oct 1998	MA 330	Birth	Parent				DEW512
3987	M	17 Oct 1998	2117	2480	PRET DW	17 Oct 1998	K43	Birth	Hand				DEW513
3988	M	17 Oct 1998	2117	2480	PRET DW METROZOO	17 Oct 1998 14 May 1999	K44 UNK	Birth Transfer	Hand				DEW514
3989	M	17 Oct 1998	2117	2480	PRET DW	17 Oct 1998	K45	Birth	Parent				DEW515
3990	F	17 Oct 1998	2117	2480	PRET DW	17 Oct 1998	Q46	Birth	Parent				DEW516
3991	F	~ Aug 1998	WILD	WILD	KALAHARI PRET DW	25 Nov 1998 25 Nov 1998	UNK FB 331	Capture Transfer	Parent				
3992	M	~ Aug 1998	WILD	WILD	KALAHARI PRET DW	25 Nov 1998 25 Nov 1998	UNK MB 332	Capture Transfer	Parent				
3993	M	~ Aug 1998	WILD	WILD	KALAHARI PRET DW	25 Nov 1998 25 Nov 1998	UNK MB 333	Capture Transfer	Parent				
3994	M	~ Aug 1998	WILD	WILD	KALAHARI PRET DW	25 Nov 1998 25 Nov 1998	UNK MB 334	Capture Transfer	Parent				
3995	M	~ Oct 1994	WILD	WILD	SWAZILAND PRET DW	1 Oct 1998 1 Oct 1998	UNK MB 335	Capture Transfer	Parent				
4003	M	~ Jan 1990	WILD	WILD	NAMIBIA HEIMSTADT	~ 1990 ~ 1990	NONE NONE	Capture Transfer	Parent	TIGER			
4004	F	~ Jan 1996	WILD	WILD	NAMIBIA HEIMSTADT	~ 1996 ~ Feb 1998	NONE 1133	Capture Transfer	Parent				
4005	M	16 Oct 1998	1936	3068	WASS BR C NEUWIED	16 Oct 1998 30 Oct 1999	UNK UNK	Birth Transfer	Parent	LAIOS			WAS135
4006	M	16 Oct 1998	1936	3068	WASS BR C CINCINNAT	16 Oct 1998 20 Oct 1999	UNK UNK	Birth Transfer	Parent	LEXUS			WAS136
4007	F	16 Oct 1998	1936	3068	WASS BR C OLOMOUC	16 Oct 1998 20 Oct 1999	UNK UNK	Birth Transfer	Parent	LORI			WAS137
4008	F	16 Oct 1998	1936	3068	WASS BR C NEUWIED	16 Oct 1998 30 Oct 1999	UNK UNK	Birth Transfer	Parent	LULU			WAS138
4009	M	26 May 1998	UNK	UNK	DICKERSON	26 May 1998	4853	Birth	Parent	RAFIKI			DPZ21
4011	F	26 May 1998	UNK	UNK	DICKERSON	26 May 1998	4854	Birth	Parent				DPZ23

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4012	?	25 Nov 1998	2572	3065	DVURKRALV	25 Nov 1998	041071	Birth	Parent				VC25
4013	?	25 Nov 1998	2572	3065	DVURKRALV	25 Nov 1998	041072	Birth	Parent				VC26
4014	?	25 Nov 1998	2572	3065	DVURKRALV	25 Nov 1998	041073	Birth	Parent				VC27
4016	F	~ 1 Oct 1997	WILD	WILD	NAMIBIA BARTY	~25 Oct 1997 ~15 Nov 1997	NONE NONE	Capture Transfer	Parent	TANDY			
4017	M	~ 1 Dec 1997	WILD	WILD	NAMIBIA LUNG	~ 5 Jan 1998 ~15 Feb 1998	NONE 1087	Capture Transfer	Hand	BALOO			
4018	M	~ Nov 1995	WILD	WILD	NAMIBIA DELFTS HANSSEN	~ Jan 1998 ~ Jan 1998 11 Dec 1998	NONE NONE AJ302	Capture Transfer Transfer	Parent	FAUST			
4019	M	~ Jan 1988	WILD	WILD	NAMIBIA DELFTS HANSSEN	~ 1998 ~ 1998 ~11 Dec 1998	NONE NONE AJ303	Capture Transfer Transfer	Parent	LANCELOT			
4020	M	~ 1 Jun 1997	WILD	WILD	NAMIBIA CCF VAARTZ	~ 1 Jan 1998 ~ 1 Feb 1998 ~ 1 Sep 1998	1089 1089 1089	Capture Transfer Transfer	Parent				
4021	F	~ 1 Jun 1997	WILD	WILD	NAMIBIA CCF	~ 1 Jan 1998 ~ 1 Feb 1998	1090 1090	Capture Transfer	Parent				
4022	F	~ 1 Jun 1997	WILD	WILD	NAMIBIA CCF	~ 1 Jan 1998 ~ 1 Feb 1998	1091 1091	Capture Transfer	Parent				
4023	M	~ 1 Sep 1997	WILD	WILD	NAMIBIA VAARTZ	1 Aug 1998 ~15 Oct 1998	1112 1112	Capture Transfer	Parent				
4024	F	29 Jul 1998	WILD	WILD	NAMIBIA VAARTZ	29 Jul 1998 ~15 Oct 1998	1113 1113	Capture Transfer	Parent				
4025	M	~ 1 Nov 1997	WILD	WILD	NAMIBIA CCF	29 Jul 1998 ~ 1 Aug 1998	1114 1114	Capture Transfer	Parent	NO TAIL			
4026	F	~ 1 Nov 1997	WILD	WILD	NAMIBIA VAARTZ	29 Jul 1998 ~15 Oct 1998	1115 1115	Capture Transfer	Parent				
4027	M	~ Jan 1994	WILD	WILD	NAMIBIA COETZEE NEL	17 Aug 1998 17 Aug 1998 ~ Sep 1998	1122 1122 1122	Capture Transfer Transfer	Parent			000070702E	

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4028	M	~ Jan 1994	WILD	WILD	NAMIBIA	17 Aug 1998	1123	Capture	Parent			0000F5633F	
					COETZEE	17 Aug 1998	1123	Transfer					
					NEL	~ Sep 1998	1123	Transfer					
4029	M	~ Apr 1998	WILD	WILD	NAMIBIA	28 Oct 1998	1129	Capture	Parent			00014395ABT	
					CCF	5 Nov 1998	1129	Transfer					
					SCHAEFFER	14 Jul 1999	1129	Loan to					
4030	M	~ Apr 1998	WILD	WILD	NAMIBIA	28 Oct 1998	1131	Capture	Parent			0000F56251T	
					CCF	5 Nov 1998	1131	Transfer					
					SCHAEFFER	14 Jul 1999	1131	Loan to					
4031	F	~ Apr 1998	WILD	WILD	NAMIBIA	28 Oct 1998	1130	Capture	Parent			0001447BECT	
					CCF	5 Nov 1998	1130	Transfer					
					SCHMIDT	14 May 1999	1130	Loan to					
4032	F	~ Apr 1998	WILD	WILD	NAMIBIA	28 Oct 1998	1132	Capture	Parent			000143D5D1T	
					CCF	5 Nov 1998	1132	Transfer					
					SCHMIDT	14 May 1999	1132	Loan to					
4033	M	~ 1995	WILD	WILD	NAMIBIA	~ Jul 1998	1149	Capture	Parent				
					CCF	11 Dec 1998	1149	Transfer					
					SCHMIDT	14 May 1999	1149	Loan to					
4034	M	~ 1995	WILD	WILD	NAMIBIA	~ Jul 1998	1150	Capture	Parent				
					CCF	11 Dec 1998	1150	Transfer					
					SCHMIDT	14 May 1999	1150	Loan to					
4035	M	~ Jul 1998	WILD	WILD	NAMIBIA	28 Dec 1998	1151	Capture	Parent				
					CCF	3 Jan 1999	1151	Transfer					
					SCHAEFFER	14 Jul 1999	1151	Loan to					
4036	M	~ Jul 1998	WILD	WILD	NAMIBIA	28 Dec 1998	1152	Capture	Parent				
					CCF	3 Jan 1999	1152	Transfer					
					SCHAEFFER	14 Jul 1999	1152	Loan to					
4037	M	~ May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1161	Capture	Parent			00014486CCT	
					CCF	18 Feb 1999	1161	Transfer					
					SCHAEFFER	14 Jul 1999	1161	Loan to					
4038	F	~ May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1160	Capture	Parent			00014479A9T	
					CCF	18 Feb 1999	1160	Transfer					
					SCHMIT	14 May 1999	1160	Loan to					
4039	F	~ 1 May 1998	WILD	WILD	NAMIBIA	17 Feb 1999	1159	Capture	Parent			0001432C3AT	
					CCF	18 Feb 1999	1159	Transfer					
					SCHMIDT	14 May 1999	1159	Loan to					

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4042	F	15 Jan 1998	WILD	WILD	NAMIBIA HANSSSEN	~ Aug 1998 27 Aug 1998	NONE AJ279	Capture Transfer	Parent	SELKIE		00014392F4T	
4043	F	15 Feb 1998	WILD	WILD	NAMIBIA HANSSSEN	~ Oct 1999 14 Oct 1999	NONE AJ295	Capture Transfer	Parent	ALYS			
4044	M	15 Aug 1998	WILD	WILD	NAMIBIA HANSSSEN	~ May 1999 1 Jun 1999	NONE AJ1/99	Capture Transfer	Parent	MEASLES			
4045	M	~ Mar 1998	UNK	UNK	AL AIN	~ 1999	UNK	Transfer	Unknown				
4046	F	~ Mar 1998	UNK	UNK	AL AIN	~ 1999	UNK	Transfer	Unknown				
4047	M	22 Mar 1998	1755	2850	LA PALMYR PONTSCORF	22 Mar 1998 14 Jan 1999	2301 UNK	Birth Loan to	Parent		ZLP25		
4048	M	22 Mar 1998	1755	2850	LA PALMYR WASS BR C	22 Mar 1998 16 Apr 1999	2303 UNK	Birth Loan to	Parent		ZLP26		
4049	M	22 Mar 1998	1755	2850	LA PALMYR HODENHAGN	22 Mar 1998 4 Jun 1999	2304 UNK	Birth Loan to	Parent		ZLP27		
4050	M	22 Mar 1998	1755	2850	LA PALMYR	22 Mar 1998	2305	Birth	Parent		ZLP28		
4051	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999	UNK	Birth	Parent	ETOSHCA	TGN6	1CE-B4D5	
4052	F	29 Jan 1999	3145	2773	NURNBERG	29 Jan 1999	UNK	Birth	Parent	OTAWI	TGN7	1CE-B9A4	
4056	F	10 Apr 1999	2914	2425	SD-WAP	10 Apr 1999	TTBKO3	Birth	Unknown	BINDURA	SD107		
4058	M	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2548	Birth	Parent		ZLP30	12FB98F	
4059	M	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2550	Birth	Parent	MUSCLOR	ZLP31	134ED57	
4060	F	14 Apr 1999	1755	2850	LA PALMYR	14 Apr 1999	2549	Birth	Parent	MUSCELETTEZ	ZLP32	13513E5	
4061	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99016	Birth	Unknown	FUNDI	BB43	0001CF6088	
4062	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99017	Birth	Unknown	YAMIKANI	BB44	000143EE8B	
4063	M	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99018	Birth	Unknown	PAKA	BB45	0001CEB2C2	
4064	F	8 May 1999	3496	3424	HILVARENB	8 May 1999	M99015	Birth	Unknown	MOJA	BB46	000144C3B7	
4065	F	22 Mar 1998	1755	2850	LA PALMYR PONTSCORF	22 Mar 1998 14 Jan 1999	2302 UNK	Birth Loan to	Parent		ZLP29		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4066	M	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99022	Birth	Unknown	JASIRI	BB47	0001432BAA	
4067	M	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99025	Birth	Unknown		BB48	0001CEDB57	
4068	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99023	Birth	Unknown	LULU	BB49	000143CF39	
4069	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99024	Birth	Unknown	SITA-JOHANBB50		0001CE617B	
4070	F	11 May 1999	3496	3426	HILVARENB	11 May 1999	M99026	Birth	Unknown	SEVIANA	BB51	0001CDC29B	
4071	M	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99020	Birth	Unknown	MVULANA	BB52	0001DA7A82	
4072	M	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99021	Birth	Unknown	MALAIKA	BB53	0001CE0995	
4073	F	16 May 1999	3495	3045	HILVARENB	16 May 1999	M99019	Birth	Unknown	MSICHANA	BB54	0001CED877	
4074	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	370	Birth	Parent	RAY	AW96		
4075	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	371	Birth	Parent	ALTO	AW97		
4076	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	372	Birth	Parent	AXCEL	AW98		
4077	M	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	373	Birth	Parent	TYLER	AW99		
4078	F	8 Jun 1999	3412	3274	SHIRAHAMA	8 Jun 1999	374	Birth	Parent	EVE	AW100		
4079	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG1	Birth	Unknown		JBG1		
4080	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG2	Birth	Unknown		JBG2		
4081	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG3	Birth	Unknown		JBG3		
4082	?	29 Jul 1999	2853	3696	JADERBERG	29 Jul 1999	JBG4	Birth	Unknown		JBG4		
4083	F	~ Apr 1999	WILD	WILD	NAMIBIA HANSSSEN	~ Oct 1999 ~ 1 Oct 1999	AJ29/9 AJ2999	Capture Transfer	Parent	RAFIKI			
4084	M	~ May 1999	WILD	WILD	NAMIBIA	~ Jul 1999	AJ1499	Capture	Hand	TARKA			
4085	M	~ Aug 1998	WILD	WILD	NAMIBIA HANSSSEN	~ Jun 1999 1 Jun 1999	AJ1299 AJ1299	Capture Transfer	Parent	KNERSES			
4087	F	19 Nov 1998	2275	3481	MITO CHO	19 Nov 1998	UNK	Birth	Parent		AKI15		
4088	F	1 Oct 1998	WILD	WILD	BOTSWANA PRET DW	~ Jan 1999 29 Sep 1999	UNK FB357	Capture Transfer	Parent				

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4089	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA339 UNK	Birth Transfer	Parent				DEW527
4090	F	~ Nov 1998	WILD	WILD	SOMALIA ABU DUBAI HOEDSPRUI	~ 1999 ~ 1999 30 Mar 1999	UNK UNK UNK	Capture Transfer Transfer	Unknown	RONELIE			
4091	M	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand	SHAKA	CC98		
4092	M	3 Dec 1998	2552	3950	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown	PAMPOENTJIHOE148			
4093	M	3 Dec 1998	2552	3950	HOEDSPRUI GHIAZZA	3 Dec 1998 ~ 1 Jun 1999	UNK UNK	Birth Transfer	Unknown	PAMPOENTJIHOE149			
4094	M	3 Dec 1998	2552	3950	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown	PAMPOENTJIHOE150			
4095	M	3 Dec 1998	2552	3950	HOEDSPRUI	3 Dec 1998	UNK	Birth	Unknown	PAMPOENTJIHOE151			
4096	M	29 Dec 1998	2543	2706	HOEDSPRUI	29 Dec 1998	UNK	Birth	Unknown	MARTIN	HOE146		
4097	F	29 Dec 1998	2543	2706	HOEDSPRUI	29 Dec 1998	UNK	Birth	Unknown	MARTINA	HOE147		
4098	M	~ Apr 1998	WILD	WILD	NAMIBIA EGERTON	~ Dec 1998 ~ Dec 1998	NONE NONE	Capture Transfer	Parent				
4099	F	~ Apr 1998	WILD	WILD	NAMIBIA EGERER	~ Dec 1998 ~ Dec 1998	NONE NONE	Capture Transfer	Parent				
4100	M	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA340 UNK	Birth Transfer	Parent				DEW522
4101	F	9 Apr 1999	3288	3405	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA341 UNK	Birth Transfer	Parent				DEW523
4102	M	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	MA336 UNK	Birth Transfer	Parent				DEW524
4103	F	9 Apr 1999	2635	2989	PRET DW	9 Apr 1999	FA337	Birth	Parent				DEW525
4104	F	9 Apr 1999	2635	2989	PRET DW CHINA	9 Apr 1999 3 Dec 1999	FA338 UNK	Birth Transfer	Parent				DEW526
4105	M	20 Apr 1999	2635	3265	PRET DW CHINA	20 Apr 1999 3 Dec 1999	MA342 UNK	Birth Transfer	Parent				DEW528
4106	F	20 Apr 1999	2635	3265	PRET DW	20 Apr 1999	FA343	Birth	Parent				DEW529

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4108	M	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	MA345	Birth	Parent				DEW531
4109	M	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	ME047	Birth	Hand				DEW532
4110	F	25 Apr 1999	2117	2480	PRET DW	25 Apr 1999	FA346	Birth	Parent				DEW533
4111	M	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	MA347	Birth	Parent				DEW534
4112	M	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	MA348	Birth	Parent				DEW535
4113	F	22 Jun 1999	2635	2775	PRET DW	22 Jun 1999	FA349	Birth	Parent				DEW536
4114	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA350	Birth	Hand				DEW537
4115	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA351	Birth	Hand				DEW538
4116	F	26 Jun 1999	3288	3079	PRET DW	26 Jun 1999	FA352	Birth	Hand				DEW539
4117	M	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown				HOE152
4118	M	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown				HOE153
4119	F	23 Jul 1999	3061	3332	HOEDSPRUI	23 Jul 1999	UNK	Birth	Unknown				HOE154
4120	M	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	MA353	Birth	Parent				DEW540
4121	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA354	Birth	Parent				DEW541
4122	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA355	Birth	Parent				DEW542
4123	F	25 Jul 1999	2635	3687	PRET DW	25 Jul 1999	FA356	Birth	Parent				DEW543
4125	F	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999	FA359	Birth	Hand				DEW545
4126	F	29 Sep 1999	2774	2796	PRET DW	29 Sep 1999	FA360	Birth	Hand				DEW546
4127	M	~ Sep 1998	WILD	WILD	NAMIBIA MEYER CCF	~ Dec 1998 ~ Dec 1998 11 Nov 1999	NONE NONE 1185	Capture Transfer Transfer	Parent	GUY			
4128	M	~ Mar 1997	WILD	WILD	NAMIBIA UNKNOWN STEYN CCF	~ Dec 1997 ~ Dec 1997 ~ May 1998 27 Sep 1999	NONE NONE NONE 1178	Capture Transfer Transfer Transfer	Parent	JEFF		000IC63AEET	
4129	M	~ Mar 1997	WILD	WILD	NAMIBIA	~ Dec 1997	UNK	Capture	Parent	MATTI		000IBEA6OET	



Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
					UNKNOWN	~ Dec 1997	NONE	Transfer					
					STEYN	~ May 1998	NONE	Transfer					
					CCF	27 Sep 1999	1179	Transfer					
4130	M	~ Mar 1997	WILD	WILD	NAMIBIA	~ Dec 1997	UNK	Capture	Parent	DON		000IC03ES2T	
					UNKNOWN	~ Dec 1997	NONE	Transfer					
					STEYN	~ May 1998	NONE	Transfer					
					CCF	27 Sep 1999	1180	Transfer					
4131	M	~ 1995	WILD	WILD	NAMIBIA	~ Jan 1999	NONE	Capture	Parent				
					SCHMIDT	~ Jan 1999	NONE	Transfer					
4132	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	375	Birth	Parent	BIONDY	AW101		
4133	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	376	Birth	Parent	RALF	AW102		
4134	M	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	377	Birth	Parent	DAISUKE	AW103		
4136	F	29 Sep 1999	3412	2872	SHIRAHAMA	29 Sep 1999	378	Birth	Parent	MIRA	AW105		
4137	M	7 Oct 1999	2510	2503	WASS BR C	7 Oct 1999	UNK	Birth	Parent	MACHO	WAS139		
4138	F	7 Oct 1999	2510	2503	WASS BR C	7 Oct 1999	UNK	Birth	Parent	MISSY	WAS140		
4139	M	18 Oct 1999	2204	3460	LUTHER	18 Oct 1999	999919	Birth	Parent	MWANA	OAK1		
4140	F	18 Oct 1999	2204	3460	LUTHER	18 Oct 1999	999920	Birth	Parent	NTOMBI	OAK2		
4141	F	18 Oct 1999	2204	3460	LUTHER	18 Oct 1999	999921	Birth	Parent		OAK3		
					BATONROUG	9 Nov 1999	UNK	Transfer					
4142	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent		AKI16		
4143	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent		AKI17		
4144	M	21 Oct 1999	2275	3481	MITO CHO	21 Oct 1999	UNK	Birth	Parent		AKI18		
4145	M	26 Oct 1999	3148	3240	VIENNA	26 Oct 1999	UNK	Birth	Parent		VZ1		
4146	F	26 Oct 1999	3148	3240	VIENNA	26 Oct 1999	UNK	Birth	Parent		VZ2		
4147	F	30 Nov 1999	2521	3353	HOEDSPRUI	30 Nov 1999	NONE	Birth	Unknown				
4148	M	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand	SHAWU	CC99		
4149	F	8 Apr 1999	2793	2666	OUDTSHORN	8 Apr 1999	UNK	Birth	Hand	TESSA	CC100		

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Event	Rearing	Tattoo	Name	Breeder #	Transponder #
4150	M	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand	HARLEY	CC101	001C548E8T	
4151	M	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand	PUMBA	CC102	0001DDDA9ET	
4152	F	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand	CAL	CC103	0001C56B31T	
4153	F	6 Oct 1999	2305	2666	OUDTSHORN	6 Oct 1999	UNK	Birth	Hand	DADA	CC104	0001C632EFT	
4154	F	11 Oct 1999	2663	2888	OUDTSHORN	11 Oct 1999	UNK	Birth	Hand	GOGGLES	CC105	0001C07E01T	
4158	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4553	Birth	Parent	JOSHI		0001CEAD12	
4159	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4554	Birth	Parent	SISKO		0001CDEC4B	
4160	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4555	Birth	Parent	CHUMBA		0001CDDE4C	
4161	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4556	Birth	Parent	M29		0001CDE04B	
4162	M	10 May 1999	2355	2703	MARWELL	10 May 1999	4557	Birth	Parent	M30		0001CDDA24	
4163	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4558	Birth	Parent	KIZA		0001CDDFAD	
4164	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4559	Birth	Parent	NAMPA		0001CEACCC	
4165	F	10 May 1999	2355	2703	MARWELL	10 May 1999	4586	Birth	Parent	XANA		000200640C	

## **SECTION K**

### **Inbreeding Coefficients**

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
44	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BENTONVIL
249	F	77	34	F = 0.0000	mk = 0.0013	1.0000	CLEVELAND
330	F	MULT	125	F = 0.0000	mk = 0.0126	0.5000	OKLAHOMA
357	M	351	344	F = 0.2500	mk = 0.0193	1.0000	YULEE
384	M	MULT	145	F = 0.0000	mk = 0.0129	0.5000	ARMES
397	M	137	152	F = 0.0000	mk = 0.0156	0.5000	OKLAHOMA
405	F	307	145	F = 0.1250	mk = 0.0065	0.8750	YULEE
406	F	307	145	F = 0.1250	mk = 0.0055	0.8750	ARMES
417	F	112	225	F = 0.2500	mk = 0.0194	0.2500	PEKING
432	F	P428	428	F = 0.0000	mk = 0.0080	1.0000	CALDWELL
458	M	WILD	WILD	F = 0.0000	mk = 0.0017	1.0000	HEMMINGFD
489	F	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	VARADAY
491	F	486	487	F = 0.0000	mk = 0.0097	0.5000	VARADAY
492	F	486	487	F = 0.0000	mk = 0.0074	0.5000	VARADAY
493	M	731	488	F = 0.0000	mk = 0.0076	1.0000	VARADAY
494	M	WILD	WILD	F = 0.0000	mk = 0.0035	1.0000	VARADAY
504	F	426	461	F = 0.0000	mk = 0.0105	0.6250	FOSSILRIM
505	M	365	270	F = 0.0000	mk = 0.0181	0.7500	FOSSILRIM
506	M	365	270	F = 0.0000	mk = 0.0173	0.7500	FOSSILRIM
513	F	472	375	F = 0.0000	mk = 0.0119	0.7500	FORTWORTH
518	M	364	373	F = 0.0000	mk = 0.0153	0.7500	COLUMBUS
522	F	364	373	F = 0.0000	mk = 0.0170	0.7500	DICKERSON
528	M	364	255	F = 0.0000	mk = 0.0143	0.7500	KNOXVILLE
536	M	426	432	F = 0.0000	mk = 0.0105	1.0000	MANHATTAN
545	M	P543	543	F = 0.0000	mk = 0.0052	0.5000	JACKSON
555	F	365	270	F = 0.0000	mk = 0.0173	0.7500	AUDUBON
556	F	365	270	F = 0.0000	mk = 0.0173	0.7500	DUBBO
567	M	426	463	F = 0.0000	mk = 0.0102	0.7500	DICKERSON
572	F	426	463	F = 0.0000	mk = 0.0097	0.7500	FOSSILRIM
575	M	462	431	F = 0.0000	mk = 0.0060	1.0000	ST LOUIS
576	M	462	431	F = 0.0000	mk = 0.0062	1.0000	ST LOUIS
582	M	426	461	F = 0.0000	mk = 0.0108	0.6250	DUBBO
583	M	426	461	F = 0.0000	mk = 0.0101	0.6250	RIO GRAND
590	M	337	645	F = 0.0000	mk = 0.0085	1.0000	TOLEDO
591	M	337	738	F = 0.0000	mk = 0.0092	1.0000	TOLEDO
595	F	989	1051	F = 0.0000	mk = 0.0134	1.0000	CINCINNAT
605	M	364	373	F = 0.0000	mk = 0.0153	0.7500	TOLUCA
606	M	364	373	F = 0.0000	mk = 0.0153	0.7500	NY BRONX
662	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SOEST
707	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SOEST
728	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SOEST
786	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NADERMANN
821	M	337	647	F = 0.0000	mk = 0.0076	1.0000	VENDA
826	M	335	340	F = 0.0000	mk = 0.0051	1.0000	POLARPARK
868	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YOSHIKAWA
869	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YOSHIKAWA
870	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YOSHIKAWA
871	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YOSHIKAWA
874	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ARITAKE
916	M	337	739	F = 0	mk = 0.0078	1	HENNOPSPA
918	M	337	739	F = 0	mk = 0.0078	1	VENDA
919	F	337	739	F = 0	mk = 0.0078	1	HENNOPSPA
925	F	486	487	F = 0	mk = 0.0085	0.5	VARADAY

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
933	M	754	755	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
947	M	703	704	F = 0.0000	mk = 0.0006	1.0000	KRECHTING
982	M	644	648	F = 0.0000	mk = 0.0116	1.0000	HENNOPSPA
986	M	343	339	F = 0.0000	mk = 0.0060	1.0000	HENNOPSPA
991	F	343	338	F = 0.0000	mk = 0.0125	1.0000	VENDA
1009	F	731	488	F = 0.0000	mk = 0.0060	1.0000	VARADAY
1010	F	731	488	F = 0.0000	mk = 0.0060	1.0000	VARADAY
1102	F	352	353	F = 0.0000	mk = 0.0164	1.0000	ZOOANIMAL
1107	M	337	338	F = 0.0000	mk = 0.0155	1.0000	VENDA
1108	F	337	338	F = 0.0000	mk = 0.0155	1.0000	SWART
1109	F	337	338	F = 0.0000	mk = 0.0155	1.0000	SWART
1112	F	343	645	F = 0.0000	mk = 0.0055	1.0000	SEAVIEW
1113	M	737	410	F = 0.0000	mk = 0.0058	1.0000	WILKIECIR
1114	M	737	410	F = 0.0000	mk = 0.0058	1.0000	WILKIECIR
1115	M	737	410	F = 0.0000	mk = 0.0058	1.0000	BEUKES
1116	M	737	410	F = 0.0000	mk = 0.0058	1.0000	SWART
1117	M	737	410	F = 0.0000	mk = 0.0058	1.0000	SWART
1121	F	343	648	F = 0.0000	mk = 0.0073	1.0000	ROCKTON
1137	M	741	631	F = 0.1250	mk = 0.0061	1.0000	J. HOP
1140	F	754	P754	F = 0.0000	mk = 0.0010	0.5000	UNKNOWN
1220	M	809	344	F = 0.0000	mk = 0.0121	1.0000	IRWIN
1222	F	809	344	F = 0.0000	mk = 0.0121	1.0000	IRWIN
1248	M	MULT	704	F = 0.0000	mk = 0.0118	0.5000	KRECHTING
1252	M	847	1038	F = 0.0000	mk = 0.0141	1.0000	GELSNKRKN
1296	F	847	850	F = 0.2500	mk = 0.0192	1.0000	GELSNKRKN
1304	M	941	845	F = 0.2500	mk = 0.0025	1.0000	LEATHERN
1305	F	941	845	F = 0.2500	mk = 0.0025	1.0000	LEATHERN
1306	F	941	845	F = 0.2500	mk = 0.0025	1.0000	LEATHERN
1308	M	1006	1008	F = 0.0000	mk = 0.0023	1.0000	PYONGYANG
1333	M	1006	1007	F = 0.0000	mk = 0.0025	1.0000	TULA
1354	F	670	490	F = 0.0000	mk = 0.0055	1.0000	VARADAY
1355	M	941	845	F = 0.2500	mk = 0.0025	1.0000	VARADAY
1356	M	941	845	F = 0.2500	mk = 0.0025	1.0000	STEWARTS
1357	M	941	845	F = 0.2500	mk = 0.0025	1.0000	STEWARTS
1398	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TULA
1410	M	341	350	F = 0.0000	mk = 0.0069	1.0000	DOHO ZOO
1411	M	341	350	F = 0.0000	mk = 0.0069	1.0000	PONTSCORF
1412	F	341	350	F = 0.0000	mk = 0.0069	1.0000	DOHO ZOO
1419	F	1012	925	F = 0.0000	mk = 0.0086	0.7500	VARADAY
1422	M	493	495	F = 0.0000	mk = 0.0074	1.0000	VARADAY
1446	M	P879	879	F = 0.0000	mk = 0.0007	0.5000	MITO CHO
1449	F	P879	879	F = 0.0000	mk = 0.0007	0.5000	MITO CHO
1456	M	1134	761	F = 0.0000	mk = 0.0097	1.0000	HILVARENB
1460	F	777	692	F = 0.0000	mk = 0.0010	1.0000	HERBERSTN
1463	F	WILD	WILD	F = 0.0000	mk = 0.0089	1.0000	LA PALMYR
1469	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	DVURKRALV
1477	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LISBON
1478	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	MAIA
1483	F	WILD	WILD	F = 0	mk = 0	1	KOLN
1484	F	WILD	WILD	F = 0	mk = 0	1	KOLN
1491	M	777	691	F = 0	mk = 0.001	1	HERBERSTN
1494	F	777	691	F = 0	mk = 0.001	1	HERBERSTN
1500	F	1190	349	F = 0	mk = 0.0072	1	HANNOVER
1552	F	1134	761	F = 0.0000	mk = 0.0097	1.0000	HILVARENB

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
1557	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CHESTER
1573	M	347	350	F = 0.0000	mk = 0.0071	1.0000	WINDSOR
1576	M	1012	1420	F = 0.2500	mk = 0.0106	0.8750	AYWAILLE
1577	F	UNK	UNK	F = 0.0000	mk = 0.0022	0.0000	HOEDSPRUI
1581	F	1293	1324	F = 0.0000	mk = 0.0120	1.0000	TIJUANA
1582	F	1293	1324	F = 0.0000	mk = 0.0120	1.0000	PAIGNTON
1583	M	1012	492	F = 0.0000	mk = 0.0080	0.7500	TIJUANA
1585	F	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	TIJUANA
1591	F	1006	1008	F = 0.0000	mk = 0.0023	1.0000	BUKHARA
1604	M	WILD	WILD	F = 0.0000	mk = 0.0020	1.0000	KREFELD
1605	F	WILD	WILD	F = 0.0000	mk = 0.0041	1.0000	KREFELD
1611	F	777	692	F = 0.0000	mk = 0.0010	1.0000	HERBERSTN
1619	M	848	1151	F = 0.0000	mk = 0.0197	1.0000	WASS BR C
1623	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	RABAT
1624	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	RABAT
1633	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TOBU
1637	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	COLCHESTR
1650	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BORAS
1651	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BORAS
1652	F	1006	1008	F = 0.0000	mk = 0.0023	1.0000	BORAS
1653	F	1006	1008	F = 0.0000	mk = 0.0023	1.0000	TASHKENT
1654	F	1006	1008	F = 0.0000	mk = 0.0023	1.0000	LODZ
1655	M	1006	1007	F = 0.0000	mk = 0.0025	1.0000	TASHKENT
1658	F	1006	1007	F = 0.0000	mk = 0.0032	1.0000	MOSCOW
1659	F	1006	1316	F = 0.0000	mk = 0.0018	1.0000	MOSCOW
1661	M	847	850	F = 0.2500	mk = 0.0192	1.0000	PEKING
1665	M	347	350	F = 0.0000	mk = 0.0071	1.0000	COLCHESTR
1666	M	347	350	F = 0.0000	mk = 0.0071	1.0000	CHESTER
1669	F	347	350	F = 0.0000	mk = 0.0072	1.0000	FOTA
1675	M	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	KREFELD
1681	M	670	1019	F = 0.0000	mk = 0.0023	1.0000	TIJUANA
1683	M	1543	1400	F = 0.0000	mk = 0.0063	1.0000	FONTAINE
1685	M	1163	1324	F = 0.0000	mk = 0.0042	1.0000	GLASGOW
1690	M	1403	1326	F = 0.0000	mk = 0.0023	0.5000	OCHS
1694	F	1403	1326	F = 0.0000	mk = 0.0023	0.5000	OCHS
1700	F	954	1077	F = 0.0000	mk = 0.0107	0.7500	AYWAILLE
1707	M	847	1038	F = 0.0000	mk = 0.0141	1.0000	GUADALJR
1711	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	MONTPELLI
1721	M	1444	1230	F = 0.0000	mk = 0.0058	0.5000	DUBBO
1724	M	1543	1400	F = 0.0000	mk = 0.0063	1.0000	LONGLEAT
1726	M	1543	1400	F = 0.0000	mk = 0.0063	1.0000	DELHI
1737	F	347	356	F = 0.0000	mk = 0.0068	1.0000	GLASGOW
1748	F	848	1381	F = 0.0000	mk = 0.0173	1.0000	NZP-WASH
1755	M	P1463	1463	F = 0.0000	mk = 0.0081	1.0000	LA PALMYR
1756	F	P1463	1463	F = 0.0000	mk = 0.0060	1.0000	PARIS
1760	M	1527	1038	F = 0.0000	mk = 0.0172	1.0000	STUTTGART
1761	M	1527	1038	F = 0	mk = 0.0153	1	CLEVELAND
1762	F	1527	1038	F = 0	mk = 0.0153	1	FARJESTAD
1771	F	1466	1470	F = 0	mk = 0.0033	1	DVURKRALV
1773	M	848	1381	F = 0	mk = 0.016	1	FARJESTAD
1774	M	848	1381	F = 0	mk = 0.0164	1	FOSSILRIM
1775	F	848	1381	F = 0	mk = 0.016	1	SALZBURG
1776	M	1444	1230	F = 0.0000	mk = 0.0058	0.5000	MELBOURNE
1777	M	1444	1230	F = 0.0000	mk = 0.0058	0.5000	MELBOURNE

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
1779	M	MULT	1684	F = 0.0000	mk = 0.0156	0.5000	DELHI
1780	M	MULT	1684	F = 0.0000	mk = 0.0156	0.5000	JAKARTA
1781	M	MULT	1684	F = 0.0000	mk = 0.0156	0.5000	JAKARTA
1782	M	MULT	1684	F = 0.0000	mk = 0.0160	0.5000	PAIGNTON
1783	F	MULT	1684	F = 0.0000	mk = 0.0156	0.5000	DELHI
1800	F	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	VARADAY
1812	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SUTTONCRF
1813	M	WILD	WILD	F = 0.0000	mk = 0.0002	1.0000	PARIS ZOO
1815	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PARIS ZOO
1817	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PONTSCORF
1826	F	1818	1798	F = 0.0000	mk = 0.0005	1.0000	COLUMBUS
1827	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SUTTONCRF
1828	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SUTTONCRF
1829	F	WILD	WILD	F = 0.0000	mk = 0.0057	1.0000	OUDTSHORN
1830	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SUTTONCRF
1833	F	1789	1037	F = 0.0000	mk = 0.0036	1.0000	COLUMBUS
1857	M	1836	1844	F = 0.0000	mk = 0.0027	1.0000	TOBE
1862	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	MORT
1863	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PARIS ZOO
1874	F	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	NEUWIEDRH
1875	F	WILD	WILD	F = 0.0000	mk = 0.0005	1.0000	NEUWIEDRH
1878	M	1403	1400	F = 0.0000	mk = 0.0035	0.5000	FOTA
1880	M	1403	1400	F = 0.0000	mk = 0.0033	0.5000	FOTA
1883	M	365	270	F = 0.0000	mk = 0.0173	0.7500	BALTIMORE
1884	M	365	270	F = 0.0000	mk = 0.0173	0.7500	SAN ANTON
1889	F	385	370	F = 0.1250	mk = 0.0146	0.5000	ST LOUIS
1890	M	MULT	1533	F = 0.0000	mk = 0.0192	0.5000	COLCHESTR
1893	F	MULT	1533	F = 0.0000	mk = 0.0179	0.5000	FOTA
1895	F	MULT	1533	F = 0.0000	mk = 0.0179	0.5000	WINDSOR
1896	M	390	531	F = 0.0000	mk = 0.0164	0.7500	CHICAGOLP
1898	F	390	531	F = 0.0000	mk = 0.0164	0.7500	SD-WAP
1899	F	390	531	F = 0.0000	mk = 0.0164	0.7500	DICKERSON
1900	M	390	375	F = 0.1250	mk = 0.0151	0.5000	SD-WAP
1901	M	390	375	F = 0.1250	mk = 0.0151	0.5000	CHICAGOLP
1902	F	390	375	F = 0.1250	mk = 0.0154	0.5000	NASHVILLE
1903	F	390	375	F = 0.1250	mk = 0.0153	0.5000	RIO GRAND
1904	M	591	592	F = 0.0625	mk = 0.0104	1.0000	FT WAYNE
1905	M	591	592	F = 0.0625	mk = 0.0104	1.0000	COLUMBUS
1907	F	591	592	F = 0.0625	mk = 0.0104	1.0000	NASHVILLE
1908	M	1619	1271	F = 0.0000	mk = 0.0102	1.0000	AMERSFOOR
1918	M	1871	MULT	F = 0.0000	mk = 0.0136	0.5000	NEUWIEDRH
1919	M	1871	MULT	F = 0.0000	mk = 0.0136	0.5000	WUPPERTAL
1921	F	1871	MULT	F = 0.0000	mk = 0.0137	0.5000	SALZBURG
1922	F	1871	MULT	F = 0.0000	mk = 0.0136	0.5000	STUTTGART
1923	F	1871	MULT	F = 0	mk = 0.0136	0.5	WUPPERTAL
1924	F	1871	MULT	F = 0	mk = 0.0136	0.5	NEUWIEDRH
1927	F	1604	1605	F = 0	mk = 0.0033	1	KREFELD
1928	F	1604	1605	F = 0	mk = 0.0033	1	KREFELD
1936	M	MULT	1874	F = 0	mk = 0.0144	0.5	DORTMUND
1938	M	426	432	F = 0	mk = 0.0114	1	SPRINGFIE
1939	F	426	432	F = 0	mk = 0.0105	1	DISNEY AK
1940	F	426	432	F = 0.0000	mk = 0.0107	1.0000	CALDWELL
1941	F	426	432	F = 0.0000	mk = 0.0102	1.0000	DISNEY AK
1947	M	458	459	F = 0.0000	mk = 0.0020	1.0000	ROCKTON

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
1958	M	1405	1230	F = 0.0000	mk = 0.0101	0.5000	WELLINGTN
1959	M	1405	1230	F = 0.0000	mk = 0.0101	0.5000	WELLINGTN
1962	M	299	416	F = 0.2812	mk = 0.0189	0.2500	BATTLE CR
1963	M	299	416	F = 0.2812	mk = 0.0189	0.2500	BIRMINGHM
1966	M	1527	1620	F = 0.1250	mk = 0.0198	1.0000	SINGAPORE
1985	M	WILD	WILD	F = 0.0000	mk = 0.0034	1.0000	FOTA
1989	F	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	MUNSTER
1990	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANNOVER
1992	M	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	MUNSTER
1993	F	983	1278	F = 0.1250	mk = 0.0188	1.0000	WASS BR C
2011	M	1813	1816	F = 0.0000	mk = 0.0005	1.0000	PARIS ZOO
2013	F	343	410	F = 0.0000	mk = 0.0065	1.0000	VENDA
2014	F	343	410	F = 0.0000	mk = 0.0065	1.0000	VENDA
2036	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NISHINODA
2044	F	989	888	F = 0.0000	mk = 0.0157	1.0000	ORIZABA
2050	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YOSHIKAWA
2051	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	YOSHIKAWA
2057	F	983	344	F = 0.0000	mk = 0.0169	1.0000	ORIZABA
2061	M	1054	1051	F = 0.0000	mk = 0.0082	1.0000	SEAVIEW
2064	F	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	KAUNAS
2066	M	1836	1844	F = 0.0000	mk = 0.0025	1.0000	UNKNOWN
2067	F	1836	1844	F = 0.0000	mk = 0.0025	1.0000	UNKNOWN
2069	M	778	1846	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
2070	F	778	1846	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
2106	F	989	2016	F = 0.0000	mk = 0.0090	1.0000	ORIZABA
2108	M	983	1278	F = 0.1250	mk = 0.0185	1.0000	GLASGOW
2109	M	983	1278	F = 0.1250	mk = 0.0185	1.0000	PRET POT
2110	M	983	1278	F = 0.1250	mk = 0.0185	1.0000	KRIEG
2124	F	989	2028	F = 0.0000	mk = 0.0108	1.0000	YULEE
2125	F	989	2028	F = 0.0000	mk = 0.0108	1.0000	DORTMUND
2127	M	983	2031	F = 0.1250	mk = 0.0178	1.0000	PRET POT
2133	F	1274	2035	F = 0.0000	mk = 0.0141	1.0000	PRET DW
2140	F	1851	1844	F = 0.0000	mk = 0.0021	1.0000	YOSHIKAWA
2141	F	983	1278	F = 0.1250	mk = 0.0185	1.0000	ST LOUIS
2143	F	983	1278	F = 0.1250	mk = 0.0185	1.0000	AUGSBURG
2144	F	983	1278	F = 0.1250	mk = 0.0185	1.0000	POLARPARK
2149	M	989	2028	F = 0.0000	mk = 0.0108	1.0000	ORIZABA
2150	M	989	2028	F = 0.0000	mk = 0.0108	1.0000	HAVANA
2151	M	989	2028	F = 0.0000	mk = 0.0108	1.0000	ORIZABA
2152	F	989	2028	F = 0.0000	mk = 0.0111	1.0000	BATTLE CR
2154	F	983	2031	F = 0.1250	mk = 0.0175	1.0000	HOEDSPRUI
2159	M	983	1278	F = 0.1250	mk = 0.0185	1.0000	HEUBERGER
2160	F	983	1278	F = 0.125	mk = 0.0185	1	HEUBERGER
2161	M	1274	2035	F = 0	mk = 0.0145	1	HOEDSPRUI
2162	F	1274	2035	F = 0	mk = 0.0135	1	BATTLE CR
2163	F	1274	2035	F = 0	mk = 0.0135	1	CALDWELL
2173	M	1842	1856	F = 0	mk = 0.0022	1	HAMAMATSU
2176	F	1842	1856	F = 0	mk = 0.0022	1	TOBE
2184	F	WILD	WILD	F = 0	mk = 0	1	TAIPEI
2186	F	1759	1686	F = 0.063	mk = 0.0065	1	PEAUGRES
2188	F	1759	1686	F = 0.0625	mk = 0.0065	1.0000	WHIPSNADE
2190	F	1759	1686	F = 0.0625	mk = 0.0065	1.0000	WHIPSNADE
2191	M	1985	1986	F = 0.0000	mk = 0.0040	1.0000	FOTA
2192	M	1985	1986	F = 0.0000	mk = 0.0042	1.0000	COLCHESTR



Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
2193	M	1619	1381	F = 0.0000	mk = 0.0149	1.0000	BATTLE CR
2195	F	1619	1381	F = 0.0000	mk = 0.0158	1.0000	AMERSFOOR
2196	F	1619	1381	F = 0.0000	mk = 0.0152	1.0000	SALZBURG
2199	M	1985	1684	F = 0.0000	mk = 0.0060	1.0000	ESKILSTUN
2203	F	385	370	F = 0.1250	mk = 0.0146	0.5000	NZP-WASH
2204	M	591	592	F = 0.0625	mk = 0.0107	1.0000	LUTHER
2205	M	591	592	F = 0.0625	mk = 0.0104	1.0000	LUTHER
2206	F	591	592	F = 0.0625	mk = 0.0104	1.0000	CLEVELAND
2207	F	591	592	F = 0.0625	mk = 0.0104	1.0000	JACKSON
2214	F	827	1644	F = 0.0938	mk = 0.0062	1.0000	BANHAM
2218	M	357	508	F = 0.0000	mk = 0.0198	0.8750	SACRAMNTO
2220	M	357	508	F = 0.0000	mk = 0.0209	0.8750	ST LOUIS
2223	F	357	508	F = 0.0000	mk = 0.0198	0.8750	PHILADELP
2224	F	357	508	F = 0.0000	mk = 0.0198	0.8750	LUTHER
2227	M	467	507	F = 0.0000	mk = 0.0138	0.8750	NY BRONX
2228	M	467	507	F = 0.0000	mk = 0.0138	0.8750	NY BRONX
2229	F	467	507	F = 0.0000	mk = 0.0138	0.8750	NY BRONX
2231	M	426	463	F = 0.0000	mk = 0.0097	0.7500	FOSSILRIM
2232	M	426	463	F = 0.0000	mk = 0.0097	0.7500	FOSSILRIM
2233	F	426	463	F = 0.0000	mk = 0.0097	0.7500	FOSSILRIM
2234	F	426	463	F = 0.0000	mk = 0.0097	0.7500	CINCINNAT
2235	M	426	461	F = 0.0000	mk = 0.0102	0.6250	AUDUBON
2237	F	1836	1844	F = 0.0000	mk = 0.0025	1.0000	HAMAMATSU
2241	F	524	368	F = 0.0000	mk = 0.0072	0.8750	CAPE MAY
2242	F	454	459	F = 0.0000	mk = 0.0046	1.0000	TORONTO
2243	F	545	1763	F = 0.0000	mk = 0.0106	0.7500	ALBANY NY
2247	M	1604	1605	F = 0.0000	mk = 0.0033	1.0000	EBERSWALD
2248	M	1604	1605	F = 0.0000	mk = 0.0033	1.0000	ROSTOCK
2249	M	1619	1739	F = 0.1875	mk = 0.0215	1.0000	HERBERSTN
2250	M	1619	1739	F = 0.1875	mk = 0.0220	1.0000	ARNHEM
2251	M	1619	1739	F = 0.1875	mk = 0.0215	1.0000	SIGEAN
2252	M	1619	1739	F = 0.1875	mk = 0.0215	1.0000	SERRANOVA
2255	F	1619	1739	F = 0.1875	mk = 0.0215	1.0000	EBERSWALD
2256	F	1619	1739	F = 0.1875	mk = 0.0219	1.0000	WASS BR C
2257	M	754	755	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
2258	F	754	755	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
2259	F	754	755	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
2264	F	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	TSAOBIS
2268	M	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	TSAOBIS
2275	M	WILD	WILD	F = 0.0000	mk = 0.0010	1.0000	MITO CHO
2280	M	WILD	WILD	F = 0	mk = 0	1	SUTTONCRF
2281	M	WILD	WILD	F = 0	mk = 0	1	SUTTONCRF
2286	M	WILD	WILD	F = 0	mk = 0	1	SUTTONCRF
2288	F	WILD	WILD	F = 0	mk = 0	1	SUTTONCRF
2289	F	WILD	WILD	F = 0	mk = 0	1	SUTTONCRF
2290	F	WILD	WILD	F = 0	mk = 0	1	SUTTONCRF
2291	F	1819	1803	F = 0	mk = 0.008	1	POLARPARK
2294	F	1789	1037	F = 0	mk = 0.0036	1	POLARPARK
2301	F	1801	2279	F = 0	mk = 0.0069	1	POLARPARK
2305	M	1819	2284	F = 0.0000	mk = 0.0070	1.0000	OUDTSHORN
2306	M	1819	2284	F = 0.0000	mk = 0.0062	1.0000	STELLENBO
2307	F	1819	2284	F = 0.0000	mk = 0.0062	1.0000	KORAT
2346	M	1873	1875	F = 0.0000	mk = 0.0007	1.0000	LANDAU
2347	M	1873	1875	F = 0.0000	mk = 0.0007	1.0000	NEUWIED

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
2352	M	530	375	F = 0.0000	mk = 0.0138	0.7500	WINSTON
2355	M	2030	2071	F = 0.0000	mk = 0.0118	1.0000	MARWELL
2359	M	1274	2028	F = 0.0000	mk = 0.0140	1.0000	CALDWELL
2363	F	2030	1278	F = 0.1875	mk = 0.0194	1.0000	HOEDSPRUI
2365	M	1277	2063	F = 0.0312	mk = 0.0185	1.0000	HOEDSPRUI
2366	F	1277	2063	F = 0.0312	mk = 0.0185	1.0000	FOTA
2367	M	1580	1667	F = 0.0000	mk = 0.0100	1.0000	WHIPNADE
2368	M	1580	1667	F = 0.0000	mk = 0.0100	1.0000	EDINBURGH
2369	F	1580	1667	F = 0.0000	mk = 0.0100	1.0000	LA FLECHE
2370	M	1391	1606	F = 0.0000	mk = 0.0058	1.0000	TIJUANA
2371	M	1391	1606	F = 0.0000	mk = 0.0058	1.0000	SRI LANK
2378	M	1391	1423	F = 0.0625	mk = 0.0086	1.0000	HOEDSPRUI
2379	F	1391	1423	F = 0.0625	mk = 0.0085	1.0000	TIJUANA
2380	F	1391	1423	F = 0.0625	mk = 0.0085	1.0000	TIJUANA
2396	M	P2389	2389	F = 0.0000	mk = 0.0021	1.0000	HOEDSPRUI
2398	M	P2389	2389	F = 0.0000	mk = 0.0016	1.0000	HOEDSPRUI
2399	M	P2388	2388	F = 0.0000	mk = 0.0057	1.0000	HOEDSPRUI
2400	F	P2388	2388	F = 0.0000	mk = 0.0032	1.0000	HOEDSPRUI
2401	F	WILD	WILD	F = 0.0000	mk = 0.0017	1.0000	HOEDSPRUI
2404	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TULA
2406	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BULAWAYO
2407	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BULAWAYO
2408	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BULAWAYO
2409	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BULAWAYO
2410	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BULAWAYO
2411	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BULAWAYO
2412	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BULAWAYO
2415	F	1853	1849	F = 0.0000	mk = 0.0017	1.0000	TOMIOKA
2418	M	239	531	F = 0.0000	mk = 0.0161	0.7500	SD-WAP
2419	F	239	531	F = 0.0000	mk = 0.0161	0.7500	RIO GRAND
2421	F	239	531	F = 0.0000	mk = 0.0161	0.7500	SACRAMNTO
2422	M	466	436	F = 0.0000	mk = 0.0060	0.8750	SD-WAP
2424	F	466	436	F = 0.0000	mk = 0.0060	0.8750	SACRAMNTO
2425	F	466	436	F = 0.0000	mk = 0.0061	0.8750	SD-WAP
2429	M	1604	1605	F = 0.0000	mk = 0.0033	1.0000	ARNHEM
2430	F	1604	1605	F = 0.0000	mk = 0.0033	1.0000	ARNHEM
2435	M	357	508	F = 0.0000	mk = 0.0198	0.8750	LOUISVILL
2436	M	357	508	F = 0.0000	mk = 0.0198	0.8750	LOUISVILL
2437	F	357	508	F = 0	mk = 0.0198	0.875	CAPE MAY
2439	F	357	508	F = 0	mk = 0.0198	0.875	DUBBO
2440	F	357	508	F = 0	mk = 0.0204	0.875	CAPE MAY
2441	M	2385	2393	F = 0	mk = 0.0028	0	HOEDSPRUI
2442	F	2385	2393	F = 0	mk = 0.0028	0	TIJUANA
2443	F	2385	2393	F = 0	mk = 0.0028	0	TIJUANA
2444	M	467	507	F = 0	mk = 0.0138	0.875	OKLAHOMA
2445	M	467	507	F = 0	mk = 0.0138	0.875	JACKSONVL
2446	M	467	507	F = 0	mk = 0.0138	0.875	JACKSONVL
2447	M	467	507	F = 0	mk = 0.0143	0.875	MONTGOMRY
2448	M	467	507	F = 0.0000	mk = 0.0138	0.8750	MONTGOMRY
2451	M	1727	1737	F = 0.1328	mk = 0.0069	1.0000	NORDITALI
2452	F	1727	1737	F = 0.1328	mk = 0.0069	1.0000	ESKILSTUN
2453	F	1727	1737	F = 0.1328	mk = 0.0069	1.0000	NORDITALI
2454	F	1727	1737	F = 0.1328	mk = 0.0069	1.0000	FONTAINE
2456	M	2394	1577	F = 0.0000	mk = 0.0017	0.0000	TIJUANA

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
2457	M	2394	1577	F = 0.0000	mk = 0.0017	0.0000	KUNCHANB
2458	F	2394	1577	F = 0.0000	mk = 0.0017	0.0000	TIJUANA
2459	M	1782	1892	F = 0.1250	mk = 0.0177	0.5000	ESKILSTUN
2465	F	454	459	F = 0.0000	mk = 0.0036	1.0000	ROCKTON
2468	F	MULT	431	F = 0.0000	mk = 0.0144	0.5000	FOSSILRIM
2472	F	1274	2028	F = 0.0000	mk = 0.0148	1.0000	WUPPERTAL
2475	M	1274	2028	F = 0.0000	mk = 0.0139	1.0000	HOEDSPRUI
2477	M	1274	2071	F = 0.0000	mk = 0.0137	1.0000	PRET DW
2480	F	1274	2063	F = 0.0312	mk = 0.0234	1.0000	PRET DW
2481	M	1274	2063	F = 0.0312	mk = 0.0201	1.0000	HUIZEN FD
2485	M	2089	2091	F = 0.3125	mk = 0.0179	1.0000	PRETORIA
2486	F	2089	2091	F = 0.3125	mk = 0.0179	1.0000	WUPPERTAL
2487	F	1274	2035	F = 0.0000	mk = 0.0135	1.0000	GREULICH
2489	F	1274	2094	F = 0.0000	mk = 0.0121	1.0000	POLARPARK
2495	F	2089	2113	F = 0.0312	mk = 0.0160	1.0000	MUNICH
2500	M	1760	1620	F = 0.0625	mk = 0.0178	1.0000	BARCELONA
2501	F	1760	1620	F = 0.0625	mk = 0.0178	1.0000	HERBERSTN
2502	F	1760	1620	F = 0.0625	mk = 0.0178	1.0000	SERRANOVA
2503	F	1760	1620	F = 0.0625	mk = 0.0190	1.0000	WASS BR C
2510	M	1466	1470	F = 0.0000	mk = 0.0053	1.0000	WASS BR C
2511	F	1466	1470	F = 0.0000	mk = 0.0033	1.0000	DORTMUND
2512	F	1466	1470	F = 0.0000	mk = 0.0033	1.0000	DVURKRALV
2519	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	JAKARTA
2523	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	MOSCOW
2524	M	WILD	WILD	F = 0.0000	mk = 0.0017	1.0000	MOSCOW
2526	F	WILD	WILD	F = 0.0000	mk = 0.0002	1.0000	MOSCOW
2533	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TOMIOKA
2536	M	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	HUIZEN FD
2543	M	WILD	WILD	F = 0.0000	mk = 0.0025	1.0000	HOEDSPRUI
2544	F	WILD	WILD	F = 0.0000	mk = 0.0005	1.0000	HOEDSPRUI
2545	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2548	F	952	1700	F = 0.0000	mk = 0.0062	0.8750	OLMENSE
2552	M	WILD	WILD	F = 0.0000	mk = 0.0025	1.0000	HOEDSPRUI
2553	F	WILD	WILD	F = 0.0000	mk = 0.0037	1.0000	HOEDSPRUI
2556	F	2518	2527	F = 0.0000	mk = 0.0010	1.0000	SELWO
2559	M	1890	1686	F = 0.0000	mk = 0.0118	0.7500	FOTA
2562	F	1890	1686	F = 0	mk = 0.0118	0.75	FOTA
2566	M	426	463	F = 0	mk = 0.0097	0.75	SANFORD
2567	F	426	463	F = 0	mk = 0.0097	0.75	BIRMINGHM
2570	M	1307	1608	F = 0	mk = 0.0092	0.8125	TIJUANA
2572	M	1307	1608	F = 0	mk = 0.0096	0.8125	DVURKRALV
2573	M	1307	1608	F = 0	mk = 0.0092	0.8125	KUNCHANB
2574	F	1307	1608	F = 0	mk = 0.0092	0.8125	TIJUANA
2580	M	1857	2099	F = 0.25	mk = 0.0028	1	TOMIOKA
2581	M	WILD	WILD	F = 0	mk = 0	1	SAFARIWOR
2582	M	WILD	WILD	F = 0	mk = 0	1	SAFARIWOR
2584	M	WILD	WILD	F = 0	mk = 0	1	SAFARIWOR
2587	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	USAKOS
2588	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
2591	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
2608	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HAVANA
2613	F	WILD	WILD	F = 0.0000	mk = 0.0012	1.0000	KRAAIFONT
2615	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KRAAIFONT
2618	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ZOOLANDIA

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
2619	F	WILD	WILD	F = 0.0000	mk = 0.0021	1.0000	PRET DW
2622	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	STEENKAMP
2624	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HAVANA
2626	M	WILD	WILD	F = 0.0000	mk = 0.0005	1.0000	TOKYOTAMA
2627	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TOKYOTAMA
2628	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	TOKYOTAMA
2629	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	STEENKAMP
2632	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET LICH
2633	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2634	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2635	M	WILD	WILD	F = 0.0000	mk = 0.0057	1.0000	PRET DW
2636	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2637	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2638	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2641	F	2524	2526	F = 0.0000	mk = 0.0012	1.0000	MOSCOW
2647	M	1985	1986	F = 0.0000	mk = 0.0036	1.0000	FOTA
2649	F	1985	1986	F = 0.0000	mk = 0.0036	1.0000	FOTA
2653	M	1527	1381	F = 0.0000	mk = 0.0154	1.0000	KATOWICE
2654	F	1527	1381	F = 0.0000	mk = 0.0154	1.0000	KATOWICE
2655	M	584	405	F = 0.0000	mk = 0.0085	0.7500	NASHVILLE
2659	M	545	1763	F = 0.0000	mk = 0.0106	0.7500	NZP-WASH
2661	F	545	1763	F = 0.0000	mk = 0.0106	0.7500	ALBANY NY
2662	M	2278	2279	F = 0.0000	mk = 0.0027	1.0000	RANGOON
2663	M	2278	2279	F = 0.0000	mk = 0.0034	1.0000	OUDTSHORN
2664	F	2278	2279	F = 0.0000	mk = 0.0027	1.0000	RANGOON
2665	M	2282	1829	F = 0.0000	mk = 0.0049	1.0000	JERUSALEM
2666	F	2282	1829	F = 0.0000	mk = 0.0066	1.0000	OUDTSHORN
2667	F	2282	1829	F = 0.0000	mk = 0.0049	1.0000	QUALICUM
2668	F	1819	2284	F = 0.0000	mk = 0.0058	1.0000	ROCKTON
2670	F	1819	2284	F = 0.0000	mk = 0.0058	1.0000	OUDTSHORN
2674	M	1307	2391	F = 0.0000	mk = 0.0046	0.5000	TIJUANA
2676	M	1307	2391	F = 0.0000	mk = 0.0048	0.5000	PRAHA
2677	F	1307	2391	F = 0.0000	mk = 0.0046	0.5000	TIJUANA
2678	F	1307	2391	F = 0.0000	mk = 0.0046	0.5000	TIJUANA
2686	F	385	370	F = 0.125	mk = 0.0146	0.5	WINSTON
2688	M	2621	2613	F = 0	mk = 0.0015	1	SOEST
2689	M	2621	2613	F = 0	mk = 0.0015	1	SOEST
2690	M	2621	2613	F = 0	mk = 0.0015	1	SOEST
2691	M	2621	2613	F = 0	mk = 0.0015	1	SOEST
2695	M	1613	1709	F = 0.188	mk = 0.0152	1	LA FLECHE
2697	M	2161	1423	F = 0	mk = 0.0126	1	HOEDSPRUI
2699	F	2161	1423	F = 0	mk = 0.0124	1	TIJUANA
2701	M	1685	1668	F = 0	mk = 0.0068	1	BELFAST
2702	F	1685	1668	F = 0	mk = 0.0063	1	WHIPNADE
2703	F	1685	1668	F = 0	mk = 0.0073	1	MARWELL
2704	M	2399	1011	F = 0	mk = 0.0062	0.5	HOEDSPRUI
2705	M	2399	1011	F = 0.0000	mk = 0.0068	0.5000	HOEDSPRUI
2706	F	2399	1011	F = 0.0000	mk = 0.0063	0.5000	HOEDSPRUI
2707	F	2399	1011	F = 0.0000	mk = 0.0057	0.5000	TORONTO
2715	M	458	460	F = 0.0000	mk = 0.0028	1.0000	TORONTO
2717	M	458	460	F = 0.0000	mk = 0.0018	1.0000	TORONTO
2719	M	1938	1748	F = 0.0000	mk = 0.0146	1.0000	PROVIDNCE
2721	M	1938	1748	F = 0.0000	mk = 0.0146	1.0000	MEMPHIS
2722	M	1938	1748	F = 0.0000	mk = 0.0151	1.0000	MEMPHIS

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
2728	F	1556	1684	F = 0.0000	mk = 0.0044	1.0000	FOTA
2729	F	WILD	WILD	F = 0.0000	mk = 0.0005	1.0000	HANSSEN
2730	M	WILD	WILD	F = 0.0000	mk = 0.0005	1.0000	HANSSEN
2733	M	2153	531	F = 0.1875	mk = 0.0182	1.0000	SD-WAP
2734	M	2153	531	F = 0.1875	mk = 0.0182	1.0000	SD-WAP
2735	M	2153	531	F = 0.1875	mk = 0.0182	1.0000	SD-WAP
2736	F	2153	531	F = 0.1875	mk = 0.0182	1.0000	SD-WAP
2746	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2763	M	2118	2616	F = 0.0000	mk = 0.0081	0.7500	PRET LICH
2765	F	2118	2616	F = 0.0000	mk = 0.0081	0.7500	PRETORIA
2766	M	2157	2113	F = 0.0312	mk = 0.0170	1.0000	MUNICH
2772	F	2157	2133	F = 0.0938	mk = 0.0171	1.0000	PRETORIA
2773	F	2157	2133	F = 0.0938	mk = 0.0173	1.0000	NURNBERG
2774	M	2157	2101	F = 0.2344	mk = 0.0200	1.0000	PRET DW
2775	F	2157	2101	F = 0.2344	mk = 0.0196	1.0000	PRET DW
2778	F	2118	2112	F = 0.0625	mk = 0.0128	0.7500	PRETORIA
2788	M	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	HARTBEESP
2789	F	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	HARTBEESP
2790	F	WILD	WILD	F = 0.0000	mk = 0.0009	1.0000	PRET DW
2791	M	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	HARTBEESP
2792	F	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	HARTBEESP
2794	M	P2790	2790	F = 0.0000	mk = 0.0014	1.0000	OUDTSHORN
2795	F	WILD	WILD	F = 0.0000	mk = 0.0022	1.0000	PRET DW
2796	F	WILD	WILD	F = 0.0000	mk = 0.0017	1.0000	PRET DW
2799	M	426	432	F = 0.0000	mk = 0.0102	1.0000	PITTSBURG
2800	F	426	432	F = 0.0000	mk = 0.0102	1.0000	BALTIMORE
2801	F	426	432	F = 0.0000	mk = 0.0108	1.0000	MONTGOMRY
2802	M	467	507	F = 0.0000	mk = 0.0138	0.8750	MILWAUKEE
2803	M	467	507	F = 0.0000	mk = 0.0138	0.8750	MILWAUKEE
2804	M	467	507	F = 0.0000	mk = 0.0138	0.8750	MILWAUKEE
2806	F	1520	1736	F = 0.0469	mk = 0.0068	1.0000	WHIPSNAD
2807	M	1520	1736	F = 0.0469	mk = 0.0068	1.0000	KESSINGL
2809	F	426	512	F = 0	mk = 0.0121	0.875	OKLAHOMA
2810	F	426	512	F = 0	mk = 0.0121	0.875	OKLAHOMA
2811	F	426	512	F = 0	mk = 0.0121	0.875	FOSSILRIM
2814	M	WILD	WILD	F = 0	mk = 0	1	HOEDSPRUI
2816	F	WILD	WILD	F = 0	mk = 0	1	HOEDSPRUI
2818	M	WILD	WILD	F = 0	mk = 0	1	VANDEMERS
2819	M	WILD	WILD	F = 0	mk = 0.001	1	SALZBURG
2820	M	WILD	WILD	F = 0	mk = 0	1	HANSSEN
2822	M	WILD	WILD	F = 0	mk = 0	1	VANDEMERS
2823	M	WILD	WILD	F = 0	mk = 0	1	VANDEMERS
2824	F	WILD	WILD	F = 0	mk = 0	1	VANDEMERS
2826	M	WILD	WILD	F = 0	mk = 0	1	VANDEMERS
2827	F	WILD	WILD	F = 0	mk = 0	1	VANDEMERS
2828	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VANDEMERS
2830	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
2838	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
2839	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VONSEYDLI
2840	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VONSEYDLI
2842	F	1527	1381	F = 0.0000	mk = 0.0154	1.0000	PLANCKNDL
2843	M	1527	1381	F = 0.0000	mk = 0.0154	1.0000	JERUSALEM
2846	M	1619	1739	F = 0.1875	mk = 0.0215	1.0000	HODENHAGN
2847	F	1619	1739	F = 0.1875	mk = 0.0215	1.0000	BARCELONA

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
2848	F	1619	1739	F = 0.1875	mk = 0.0215	1.0000	BARCELONA
2850	F	1138	1463	F = 0.0000	mk = 0.0106	1.0000	LA PALMYR
2851	M	2626	2175	F = 0.0000	mk = 0.0016	1.0000	TOKYOTAMA
2852	M	2626	2175	F = 0.0000	mk = 0.0016	1.0000	SHIRAHAMA
2853	M	1675	1605	F = 0.0000	mk = 0.0038	1.0000	JADERBERG
2854	M	1675	1605	F = 0.0000	mk = 0.0033	1.0000	PLANCKNDL
2855	M	1675	1605	F = 0.0000	mk = 0.0033	1.0000	JADERBERG
2857	F	1675	1605	F = 0.0000	mk = 0.0039	1.0000	ARNHEM
2858	M	1985	1686	F = 0.0000	mk = 0.0039	1.0000	GUANGZHOU
2866	M	2282	1829	F = 0.0000	mk = 0.0049	1.0000	SOEST
2867	M	2282	1829	F = 0.0000	mk = 0.0049	1.0000	SOEST
2870	M	2528	2169	F = 0.0000	mk = 0.0024	1.0000	TOKYOTAMA
2872	F	2528	2169	F = 0.0000	mk = 0.0032	1.0000	SHIRAHAMA
2873	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	COETZEE
2874	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	COETZEE
2876	M	567	522	F = 0.0000	mk = 0.0139	0.7500	ROCKTON
2877	M	567	522	F = 0.0000	mk = 0.0139	0.7500	KANSASCTY
2878	F	567	522	F = 0.0000	mk = 0.0139	0.7500	LUTHER
2879	F	567	522	F = 0.0000	mk = 0.0139	0.7500	KANSASCTY
2880	M	1822	2285	F = 0.0000	mk = 0.0016	1.0000	SOEST
2881	M	1822	2285	F = 0.0000	mk = 0.0016	1.0000	OUDTSHORN
2882	F	1822	2285	F = 0.0000	mk = 0.0016	1.0000	SOEST
2886	M	1819	2284	F = 0.0000	mk = 0.0058	1.0000	QUALICUM
2887	F	1819	2284	F = 0.0000	mk = 0.0058	1.0000	BUENOSAIR
2888	F	1819	2284	F = 0.0000	mk = 0.0059	1.0000	OUDTSHORN
2889	F	1819	2284	F = 0.0000	mk = 0.0058	1.0000	DE PENHA
2891	M	MULT	461	F = 0.0000	mk = 0.0154	0.1250	SAN ANTON
2892	F	MULT	461	F = 0.0000	mk = 0.0154	0.1250	BIRMINGHM
2893	M	505	503	F = 0.0000	mk = 0.0144	0.6875	SANFORD
2894	M	505	503	F = 0.0000	mk = 0.0144	0.6875	SANFORD
2895	M	505	503	F = 0	mk = 0.0144	0.6875	PHOENIX
2897	M	568	430	F = 0	mk = 0.0057	0.875	PHOENIX
2898	F	568	430	F = 0	mk = 0.0062	0.875	MEMPHIS
2902	F	1012	1420	F = 0.25	mk = 0.0091	0.875	HERN
2904	M	2903	2901	F = 0.125	mk = 0.008	0.625	SCHOEMAN
2914	M	2153	565	F = 0	mk = 0.0136	0.9375	SD-WAP
2915	F	2153	565	F = 0	mk = 0.0134	0.9375	SD-WAP
2918	M	365	1902	F = 0	mk = 0.016	0.75	YULEE
2920	F	365	1902	F = 0	mk = 0.016	0.75	NASHVILLE
2928	M	1857	1856	F = 0.25	mk = 0.0031	1	TOBU
2940	M	WILD	WILD	F = 0	mk = 0	1	SINGAPORE
2952	F	WILD	WILD	F = 0	mk = 0	1	AMMAN
2953	M	WILD	WILD	F = 0	mk = 0	1	KOEGL
2954	M	WILD	WILD	F = 0	mk = 0	1	KOEGL
2955	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KOEGL
2956	F	WILD	WILD	F = 0.0000	mk = 0.0010	1.0000	SAFARIWOR
2958	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SAFARIWOR
2959	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SAFARIWOR
2960	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SAFARIWOR
2962	F	WILD	WILD	F = 0.0000	mk = 0.0020	1.0000	HOEDSPRUI
2963	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
2964	M	P2956	2956	F = 0.0000	mk = 0.0012	1.0000	SAFARIWOR
2965	F	P2956	2956	F = 0.0000	mk = 0.0012	1.0000	SAFARIWOR
2966	F	P2956	2956	F = 0.0000	mk = 0.0012	1.0000	SAFARIWOR

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
2967	F	P2956	2956	F = 0.0000	mk = 0.0012	1.0000	SAFARIWOR
2969	M	2528	1682	F = 0.0000	mk = 0.0025	1.0000	SHIRAHAMA
2974	M	2136	508	F = 0.0000	mk = 0.0199	0.8750	YULEE
2976	F	2136	508	F = 0.0000	mk = 0.0199	0.8750	CINCINNAT
2977	F	2136	508	F = 0.0000	mk = 0.0199	0.8750	YULEE
2978	F	2136	508	F = 0.0000	mk = 0.0199	0.8750	REDWOOD
2980	F	2136	508	F = 0.0000	mk = 0.0199	0.8750	REDWOOD
2982	M	582	405	F = 0.0000	mk = 0.0089	0.7500	YULEE
2983	F	582	405	F = 0.0000	mk = 0.0098	0.7500	YULEE
2986	F	2517	2527	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
2989	F	1274	2071	F = 0.0000	mk = 0.0146	1.0000	PRET DW
2991	F	2235	484	F = 0.0000	mk = 0.0124	0.6875	AUDUBON
3003	F	536	429	F = 0.0000	mk = 0.0057	1.0000	NZP-WASH
3004	F	536	429	F = 0.0000	mk = 0.0057	1.0000	CALDWELL
3005	M	1576	2391	F = 0.0000	mk = 0.0069	0.4375	HOEDSPRUI
3006	F	1576	2391	F = 0.0000	mk = 0.0066	0.4375	TIJUANA
3008	M	1938	1748	F = 0.0000	mk = 0.0146	1.0000	HOUSTON
3009	M	1938	1748	F = 0.0000	mk = 0.0146	1.0000	HOUSTON
3010	M	1938	1748	F = 0.0000	mk = 0.0146	1.0000	HOUSTON
3011	M	1938	1748	F = 0.0000	mk = 0.0146	1.0000	HOUSTON
3012	M	1938	1748	F = 0.0000	mk = 0.0146	1.0000	HOUSTON
3013	M	364	1965	F = 0.0000	mk = 0.0170	0.6250	HONOLULU
3014	M	364	1965	F = 0.0000	mk = 0.0170	0.6250	FERNDALE
3015	F	364	1965	F = 0.0000	mk = 0.0170	0.6250	HONOLULU
3016	F	364	1965	F = 0.0000	mk = 0.0170	0.6250	HONOLULU
3018	M	1774	431	F = 0.0000	mk = 0.0114	1.0000	METROZOO
3019	M	1774	431	F = 0.0000	mk = 0.0114	1.0000	CLEVELAND
3020	F	1774	431	F = 0.0000	mk = 0.0114	1.0000	PITTSBURG
3024	M	469	1886	F = 0	mk = 0.013	0.625	SANDIEGOZ
3025	F	469	1886	F = 0	mk = 0.013	0.625	ACTON
3028	M	501	1940	F = 0.125	mk = 0.0107	0.8125	DALLAS
3029	M	501	1940	F = 0.125	mk = 0.0107	0.8125	DALLAS
3030	M	501	1940	F = 0.125	mk = 0.0107	0.8125	DALLAS
3036	F	WILD	WILD	F = 0	mk = 0	1	VOIGTS
3037	M	WILD	WILD	F = 0	mk = 0	1	VOIGTS
3038	F	WILD	WILD	F = 0	mk = 0	1	SAARBRUCK
3039	F	WILD	WILD	F = 0	mk = 0.0005	1	VANDEMERS
3041	M	WILD	WILD	F = 0	mk = 0	1	HANSSEN
3042	M	P3039	3039	F = 0	mk = 0.0007	1	VANDEMERS
3043	F	P3039	3039	F = 0	mk = 0.0007	1	VANDEMERS
3045	F	2192	1892	F = 0	mk = 0.0127	0.75	HILVARENB
3048	M	WILD	WILD	F = 0	mk = 0	1	HANSSEN
3049	M	1878	1686	F = 0	mk = 0.0039	0.75	FOTA
3052	F	1878	1686	F = 0.0000	mk = 0.0039	0.7500	GUANGZHOU
3054	F	1985	1986	F = 0.0000	mk = 0.0036	1.0000	FOTA
3055	F	1985	1986	F = 0.0000	mk = 0.0036	1.0000	FOTA
3056	F	1985	1986	F = 0.0000	mk = 0.0036	1.0000	FOTA
3057	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3058	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3062	M	2385	1606	F = 0.0000	mk = 0.0045	0.5000	KUNCHANB
3063	M	2385	1606	F = 0.0000	mk = 0.0045	0.5000	KUNCHANB
3064	F	2385	1606	F = 0.0000	mk = 0.0046	0.5000	TORONTO
3065	F	2385	1606	F = 0.0000	mk = 0.0049	0.5000	DVURKRALV
3066	M	1992	1989	F = 0.0000	mk = 0.0023	1.0000	MUNSTER

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3069	M	2268	2264	F = 0.0000	mk = 0.0023	1.0000	TSAOBIS
3070	M	2268	2264	F = 0.0000	mk = 0.0023	1.0000	PRET DW
3073	M	2117	2113	F = 0.0000	mk = 0.0116	1.0000	SINGAPORE
3076	M	2118	2619	F = 0.0000	mk = 0.0087	0.7500	TOKYOTAMA
3080	F	2118	2619	F = 0.0000	mk = 0.0087	0.7500	SINGAPORE
3082	M	2396	1608	F = 0.0000	mk = 0.0070	0.8125	KUNCHANB
3083	F	2396	1608	F = 0.0000	mk = 0.0070	0.8125	SRI LANK
3084	F	2396	1608	F = 0.0000	mk = 0.0070	0.8125	KUNCHANB
3087	M	2278	1829	F = 0.0000	mk = 0.0045	1.0000	BANGKOK
3088	M	2278	1829	F = 0.0000	mk = 0.0045	1.0000	OUDTSHORN
3092	M	2517	2527	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
3093	M	2517	2527	F = 0.0000	mk = 0.0014	1.0000	BRAVA
3095	F	2517	2527	F = 0.0000	mk = 0.0014	1.0000	UNKNOWN
3096	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NAIR ORPH
3102	M	1138	1463	F = 0.0000	mk = 0.0110	1.0000	PEAUGRES
3105	F	1138	1463	F = 0.0000	mk = 0.0090	1.0000	HODENHAGN
3113	F	1822	2284	F = 0.0000	mk = 0.0044	1.0000	DE PENHA
3114	F	1822	2284	F = 0.0000	mk = 0.0044	1.0000	VIDEBAEK
3115	F	1822	2284	F = 0.0000	mk = 0.0044	1.0000	BANGKOK
3117	M	1760	1620	F = 0.0625	mk = 0.0178	1.0000	SOFIA
3118	M	1760	1620	F = 0.0625	mk = 0.0178	1.0000	SOFIA
3119	F	1760	1620	F = 0.0625	mk = 0.0178	1.0000	MUNSTER
3120	F	1760	1620	F = 0.0625	mk = 0.0178	1.0000	LANDAU
3121	F	1760	1620	F = 0.0625	mk = 0.0183	1.0000	WASS BR C
3124	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3133	M	1760	2195	F = 0.0938	mk = 0.0168	1.0000	MONTPELLI
3135	F	1760	2195	F = 0.094	mk = 0.0168	1	MUNICH
3136	M	1619	1739	F = 0.188	mk = 0.0215	1	AMERSFOOR
3137	M	1619	1739	F = 0.188	mk = 0.0215	1	SLOVENIA
3138	M	1619	1739	F = 0.188	mk = 0.0215	1	AMERSFOOR
3145	M	1619	2472	F = 0	mk = 0.0177	1	NURNBERG
3146	M	1619	2472	F = 0	mk = 0.0175	1	WUPPERTAL
3147	M	1619	2472	F = 0	mk = 0.0175	1	VIENNA
3148	M	1619	2472	F = 0	mk = 0.0177	1	VIENNA
3153	F	469	2440	F = 0	mk = 0.0145	0.6875	YULEE
3154	M	1689	1986	F = 0	mk = 0.0032	0.75	PEAUGRES
3155	F	1689	1986	F = 0	mk = 0.0032	0.75	EDINBURGH
3156	F	1689	1986	F = 0	mk = 0.0032	0.75	FOTA
3159	M	2621	2613	F = 0	mk = 0.0015	1	KRAAIFONT
3163	M	2220	522	F = 0.051	mk = 0.0192	0.8125	ROCKTON
3164	M	2220	522	F = 0.051	mk = 0.0192	0.8125	ROCKTON
3165	M	2220	522	F = 0.051	mk = 0.0192	0.8125	ROCKTON
3167	F	2220	522	F = 0.0508	mk = 0.0192	0.8125	KANSASCTY
3168	M	MULT	2212	F = 0.0000	mk = 0.0148	0.5000	ORANA
3169	M	MULT	2212	F = 0.0000	mk = 0.0148	0.5000	ORANA
3170	M	MULT	2212	F = 0.0000	mk = 0.0148	0.5000	ORANA
3174	F	1604	1605	F = 0.0000	mk = 0.0033	1.0000	MAIA
3175	M	1604	1605	F = 0.0000	mk = 0.0033	1.0000	MAIA
3176	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	GEBAUER
3177	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	GEBAUER
3178	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	GEBAUER
3179	M	1871	2147	F = 0.0000	mk = 0.0121	1.0000	VERBESSEL
3181	F	1871	2147	F = 0.0000	mk = 0.0121	1.0000	VERBESSEL
3182	F	1871	2147	F = 0.0000	mk = 0.0121	1.0000	PEAUGRES



Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3183	F	1871	2147	F = 0.0000	mk = 0.0121	1.0000	KRIEG
3184	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KRAAIFONT
3185	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KRAAIFONT
3187	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3188	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3189	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3190	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3191	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	REIMANN
3193	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3194	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3200	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3201	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3202	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3203	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LETTENBAU
3206	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3208	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3209	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3212	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3213	F	WILD	WILD	F = 0.0000	mk = 0.0005	1.0000	PRET DW
3214	F	WILD	WILD	F = 0.0000	mk = 0.0002	1.0000	PRET DW
3219	F	2161	1606	F = 0.0000	mk = 0.0098	1.0000	PRAHA
3223	M	2413	1856	F = 0.0000	mk = 0.0025	1.0000	JAKARTA
3231	M	1822	2285	F = 0.0000	mk = 0.0016	1.0000	OUDTSHORN
3232	M	2282	1824	F = 0.0000	mk = 0.0025	1.0000	VIDEBAEK
3235	M	2117	2135	F = 0.0000	mk = 0.0113	1.0000	AMMAN
3240	F	2127	2356	F = 0.0938	mk = 0.0150	1.0000	VIENNA
3243	F	2118	2616	F = 0.0000	mk = 0.0081	0.7500	AMMAN
3244	F	2118	2616	F = 0.0000	mk = 0.0081	0.7500	AMMAN
3245	M	576	1939	F = 0.0625	mk = 0.0086	1.0000	HOGLE
3246	M	576	1939	F = 0.0625	mk = 0.0086	1.0000	HOGLE
3251	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3252	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3253	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3254	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
3255	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VOIGTS
3256	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VOIGTS
3261	M	2730	2729	F = 0.0000	mk = 0.0007	1.0000	HANSSEN
3262	F	2730	2729	F = 0.0000	mk = 0.0007	1.0000	HANSSEN
3265	F	2117	2101	F = 0.0000	mk = 0.0143	1.0000	PRET DW
3274	F	1391	1607	F = 0.0000	mk = 0.0100	0.8125	SHIRAHAMA
3275	M	1576	1700	F = 0.0000	mk = 0.0109	0.8125	NORDITALI
3276	M	1576	1700	F = 0.0000	mk = 0.0109	0.8125	OLMENSE
3277	M	1576	1700	F = 0.0000	mk = 0.0109	0.8125	OLMENSE
3279	F	1576	1700	F = 0.0000	mk = 0.0109	0.8125	GREULICH
3283	M	1138	1463	F = 0.0000	mk = 0.0090	1.0000	PARIS ZOO
3284	M	1138	1463	F = 0.0000	mk = 0.0090	1.0000	FONTAINE
3285	F	1138	1463	F = 0.0000	mk = 0.0090	1.0000	LA PALMYR
3286	F	1138	1463	F = 0.0000	mk = 0.0090	1.0000	LA PALMYR
3287	M	2268	2264	F = 0.0000	mk = 0.0023	1.0000	MOSCOW
3288	M	2268	2264	F = 0.0000	mk = 0.0030	1.0000	PRET DW
3289	F	2268	2264	F = 0.0000	mk = 0.0023	1.0000	TSAOBIS
3291	M	2278	2284	F = 0.0000	mk = 0.0049	1.0000	SAO PAULO
3292	M	2278	2284	F = 0.0000	mk = 0.0049	1.0000	ALMAKTOUM
3299	M	505	504	F = 0.0000	mk = 0.0145	0.6875	KNOXVILLE

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3300	F	505	504	F = 0.0000	mk = 0.0145	0.6875	KNOXVILLE
3301	F	505	504	F = 0.0000	mk = 0.0145	0.6875	KNOXVILLE
3302	M	465	432	F = 0.0000	mk = 0.0095	1.0000	PHOENIX
3303	M	465	432	F = 0.0000	mk = 0.0095	1.0000	NZP-WASH
3304	M	465	432	F = 0.0000	mk = 0.0095	1.0000	NZP-WASH
3305	M	465	432	F = 0.0000	mk = 0.0095	1.0000	PHOENIX
3306	F	465	432	F = 0.0000	mk = 0.0095	1.0000	PHOENIX
3307	F	465	432	F = 0.0000	mk = 0.0095	1.0000	CALDWELL
3308	M	2305	1829	F = 0.0000	mk = 0.0066	1.0000	EICHBERG
3309	M	2305	1829	F = 0.0000	mk = 0.0066	1.0000	EICHBERG
3311	F	2305	1829	F = 0.0000	mk = 0.0066	1.0000	ALMAKTOUM
3312	M	469	2440	F = 0.0000	mk = 0.0145	0.6875	METRORICH
3313	M	469	2440	F = 0.0000	mk = 0.0145	0.6875	METRORICH
3314	M	469	2440	F = 0.0000	mk = 0.0145	0.6875	YULEE
3316	F	469	2440	F = 0.0000	mk = 0.0145	0.6875	WINSTON
3318	M	469	1886	F = 0.0000	mk = 0.0130	0.6250	YULEE
3322	M	MULT	585	F = 0.0000	mk = 0.0166	0.3125	PALM DES
3323	M	MULT	585	F = 0.0000	mk = 0.0166	0.3125	PALM DES
3324	F	MULT	585	F = 0.0000	mk = 0.0166	0.3125	PALM DES
3325	M	1820	1824	F = 0.0000	mk = 0.0015	1.0000	BUENOSAIR
3326	F	1820	1824	F = 0.0000	mk = 0.0015	1.0000	EICHBERG
3329	M	1992	1989	F = 0.0000	mk = 0.0023	1.0000	ROSTOCK
3330	F	1992	1989	F = 0.0000	mk = 0.0023	1.0000	ROSTOCK
3332	F	WILD	WILD	F = 0.0000	mk = 0.0034	1.0000	HOEDSPRUI
3333	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3335	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3336	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3337	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3338	F	2385	1423	F = 0.0000	mk = 0.0072	0.5000	KUNCHANB
3339	F	2385	1423	F = 0.0000	mk = 0.0072	0.5000	KUNCHANB
3340	M	2122	405	F = 0.0000	mk = 0.0088	0.9375	YULEE
3341	M	2384	1577	F = 0.0000	mk = 0.0018	0.5000	PRAHA
3342	M	2384	1577	F = 0.0000	mk = 0.0018	0.5000	HOEDSPRUI
3343	F	2384	1577	F = 0.0000	mk = 0.0018	0.5000	KUNCHANB
3344	F	2384	1577	F = 0.0000	mk = 0.0018	0.5000	HOEDSPRUI
3351	F	2521	1608	F = 0.0000	mk = 0.0084	0.8125	HOEDSPRUI
3352	F	2521	1608	F = 0.0000	mk = 0.0082	0.8125	KUNCHANB
3353	F	2521	1608	F = 0.0000	mk = 0.0083	0.8125	HOEDSPRUI
3355	F	P3332	3332	F = 0.0000	mk = 0.0025	1.0000	HOEDSPRUI
3356	F	P3332	3332	F = 0.0000	mk = 0.0025	1.0000	HOEDSPRUI
3357	F	P3332	3332	F = 0.0000	mk = 0.0025	1.0000	HOEDSPRUI
3358	F	P3332	3332	F = 0.0000	mk = 0.0025	1.0000	HOEDSPRUI
3360	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3361	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHOEMAN
3362	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HERN
3363	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HERN
3370	M	1825	2307	F = 0.0000	mk = 0.0078	1.0000	KORAT
3371	M	1825	2307	F = 0.0000	mk = 0.0078	1.0000	KORAT
3372	F	1825	2307	F = 0.0000	mk = 0.0078	1.0000	KORAT
3379	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NAIR ORPH
3382	M	WILD	WILD	F = 0.0000	mk = 0.0010	1.0000	HOEDSPRUI
3385	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3386	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KRAAIFONT
3387	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KRAAIFONT

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3388	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSSEN
3391	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HERN
3392	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HERN
3393	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSSEN
3398	F	2359	1940	F = 0.0000	mk = 0.0126	1.0000	CALDWELL
3399	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ETHIOPIA
3401	F	2521	1608	F = 0.0000	mk = 0.0082	0.8125	PRAHA
3403	F	2118	2795	F = 0.0000	mk = 0.0087	0.7500	PRET DW
3404	F	2118	2795	F = 0.0000	mk = 0.0087	0.7500	SHIRAHAMA
3405	F	2118	2795	F = 0.0000	mk = 0.0090	0.7500	PRET DW
3406	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSSEN
3407	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSSEN
3408	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSSEN
3409	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSSEN
3410	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
3412	M	2117	2480	F = 0.0000	mk = 0.0174	1.0000	SHIRAHAMA
3413	F	2117	2480	F = 0.0000	mk = 0.0168	1.0000	PRET DW
3415	F	469	2241	F = 0.0000	mk = 0.0079	0.6875	WINSTON
3418	F	2398	1606	F = 0.0000	mk = 0.0031	1.0000	HOEDSPRUI
3420	F	2117	2356	F = 0.0000	mk = 0.0102	1.0000	LANGLEY
3421	M	2117	2356	F = 0.0000	mk = 0.0102	1.0000	PRET DW
3422	M	2117	2356	F = 0.0000	mk = 0.0102	1.0000	PRET DW
3423	F	2117	2113	F = 0.0000	mk = 0.0116	1.0000	PRET DW
3424	F	2510	1620	F = 0.0000	mk = 0.0124	1.0000	HILVARENB
3425	F	2510	1620	F = 0.0000	mk = 0.0119	1.0000	COLCHESTR
3426	F	2510	1620	F = 0.0000	mk = 0.0125	1.0000	HILVARENB
3428	F	2118	3213	F = 0.0000	mk = 0.0079	0.7500	PRET DW
3435	M	2715	2242	F = 0.0000	mk = 0.0040	1.0000	ROCKTON
3436	M	2715	2242	F = 0.0000	mk = 0.0040	1.0000	TORONTO
3437	F	2715	2242	F = 0.0000	mk = 0.0040	1.0000	ROCKTON
3438	F	2715	2242	F = 0.0000	mk = 0.0040	1.0000	TORONTO
3447	M	2117	2091	F = 0.0000	mk = 0.0134	1.0000	PRET DW
3448	M	2118	2780	F = 0.0625	mk = 0.0116	0.7500	WHYTE
3449	F	2118	2780	F = 0.0625	mk = 0.0116	0.7500	WHYTE
3450	F	2463	3064	F = 0.0000	mk = 0.0043	0.7500	TORONTO
3452	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SHIRAHAMA
3457	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
3459	M	2220	522	F = 0.0508	mk = 0.0192	0.8125	LUTHER
3460	F	2220	522	F = 0.0508	mk = 0.0196	0.8125	LUTHER
3461	M	1576	1700	F = 0.0000	mk = 0.0109	0.8125	HUIZEN FD
3462	F	1576	1700	F = 0.0000	mk = 0.0109	0.8125	ALTENFELD
3463	F	1576	1700	F = 0.0000	mk = 0.0109	0.8125	WESTERLO
3466	M	1576	2548	F = 0.0000	mk = 0.0086	0.8750	NORDITALI
3468	F	1576	2548	F = 0.0000	mk = 0.0086	0.8750	AYWAILLE
3475	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KLUCKNER
3476	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEUWIEDRH
3477	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KLUCKNER
3478	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	MITO CHO
3479	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	MITO CHO
3480	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	MITO CHO
3481	F	WILD	WILD	F = 0.0000	mk = 0.0010	1.0000	MITO CHO
3482	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KLUCKNER
3483	M	1871	2147	F = 0.0000	mk = 0.0121	1.0000	KREFELD
3484	M	1871	2147	F = 0.0000	mk = 0.0125	1.0000	VERBESSEL

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3485	F	1871	2147	F = 0.0000	mk = 0.0121	1.0000	VERBESSEL
3486	F	1871	2147	F = 0.0000	mk = 0.0121	1.0000	FONTAINE
3487	F	1871	2147	F = 0.0000	mk = 0.0121	1.0000	KREFELD
3489	M	2524	1658	F = 0.0000	mk = 0.0027	1.0000	LODZ
3490	M	2524	1658	F = 0.0000	mk = 0.0027	1.0000	RAMAT GAN
3491	M	2524	1658	F = 0.0000	mk = 0.0027	1.0000	LODZ
3495	M	3102	2433	F = 0.0098	mk = 0.0140	0.8750	HILVAREN B
3496	M	3102	2433	F = 0.0098	mk = 0.0152	0.8750	HILVAREN B
3497	M	3102	2433	F = 0.0098	mk = 0.0136	0.8750	MULHOUSE
3498	M	3102	2433	F = 0.0098	mk = 0.0136	0.8750	PEAUGRES
3500	F	3102	2433	F = 0.0098	mk = 0.0136	0.8750	ARNHEM
3501	F	3102	2433	F = 0.0098	mk = 0.0136	0.8750	LA PALMYR
3512	F	P2212	2212	F = 0.0000	mk = 0.0042	0.5000	ORANA
3519	M	465	431	F = 0.0000	mk = 0.0085	1.0000	WERRIBEE
3520	M	465	431	F = 0.0000	mk = 0.0085	1.0000	WERRIBEE
3521	M	465	431	F = 0.0000	mk = 0.0085	1.0000	WERRIBEE
3522	M	541	513	F = 0.0000	mk = 0.0083	0.8750	CINCINNAT
3527	F	541	2801	F = 0.0000	mk = 0.0078	1.0000	FOSSILRIM
3530	F	3471	1903	F = 0.0000	mk = 0.0080	0.7500	RIO GRAND
3532	M	2528	1607	F = 0.0000	mk = 0.0066	0.8125	SHIRAHAMA
3533	F	2528	1607	F = 0.0000	mk = 0.0066	0.8125	SHIRAHAMA
3536	M	2117	2113	F = 0.0000	mk = 0.0116	1.0000	LANGLEY
3537	M	2117	2113	F = 0.0000	mk = 0.0116	1.0000	RIYADH
3539	M	2250	2857	F = 0.0000	mk = 0.0132	1.0000	ARNHEM
3540	M	2250	2857	F = 0.0000	mk = 0.0132	1.0000	ARNHEM
3541	M	2250	2857	F = 0.0000	mk = 0.0132	1.0000	ARNHEM
3542	M	2250	2857	F = 0.0000	mk = 0.0132	1.0000	ARNHEM
3543	F	2250	2857	F = 0.0000	mk = 0.0132	1.0000	PEAUGRES
3544	M	2722	2898	F = 0.0312	mk = 0.0109	0.9375	TULSA
3545	M	2722	2898	F = 0.0312	mk = 0.0109	0.9375	TULSA
3546	F	2722	2898	F = 0.0312	mk = 0.0109	0.9375	MEMPHIS
3547	M	2722	2898	F = 0.0312	mk = 0.0109	0.9375	TULSA
3548	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	WORMS M
3549	M	2282	2284	F = 0.0000	mk = 0.0054	1.0000	EICHBERG
3550	F	2282	2284	F = 0.0000	mk = 0.0054	1.0000	EICHBERG
3551	M	2663	1829	F = 0.0000	mk = 0.0048	1.0000	DUBAI
3553	M	2663	1829	F = 0.0000	mk = 0.0048	1.0000	EICHBERG
3554	F	2663	1829	F = 0.0000	mk = 0.0048	1.0000	EICHBERG
3555	M	2161	1011	F = 0.0000	mk = 0.0101	0.5000	ADELAIDE
3556	M	2161	1011	F = 0.0000	mk = 0.0101	0.5000	GHAZZA
3557	F	2161	1011	F = 0.0000	mk = 0.0101	0.5000	GHAZZA
3558	M	2521	1423	F = 0.0000	mk = 0.0074	1.0000	GHAZZA
3559	F	2521	1423	F = 0.0000	mk = 0.0074	1.0000	ADELAIDE
3560	F	2521	1423	F = 0.0000	mk = 0.0074	1.0000	BOGOR
3561	F	2521	1423	F = 0.0000	mk = 0.0074	1.0000	GHAZZA
3562	M	1992	1989	F = 0.0000	mk = 0.0023	1.0000	MUNSTER
3563	M	1992	1989	F = 0.0000	mk = 0.0023	1.0000	BELFAST
3566	M	2510	2503	F = 0.0000	mk = 0.0124	1.0000	SHARJAH
3567	M	2510	2503	F = 0.0000	mk = 0.0124	1.0000	RAMAT GAN
3569	F	2510	2503	F = 0.0000	mk = 0.0124	1.0000	SHARJAH
3571	M	2268	2264	F = 0.0000	mk = 0.0023	1.0000	TSAOBIS
3573	M	2663	2284	F = 0.0000	mk = 0.0052	1.0000	STELLENBO
3574	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	DIETTERLE
3575	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	FUG

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3577	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	HODENHAGN
3582	M	1755	1463	F = 0.2500	mk = 0.0087	1.0000	SELWO
3583	M	1755	1463	F = 0.2500	mk = 0.0087	1.0000	MADRID Z
3584	F	1755	1463	F = 0.2500	mk = 0.0087	1.0000	HODENHAGN
3585	M	2118	2480	F = 0.1328	mk = 0.0193	0.7500	PRET DW
3586	F	2118	2480	F = 0.1328	mk = 0.0193	0.7500	PRET DW
3587	F	2118	2480	F = 0.1328	mk = 0.0193	0.7500	PRET DW
3588	F	2118	2480	F = 0.1328	mk = 0.0193	0.7500	GUANGZHOU
3589	F	2118	2480	F = 0.1328	mk = 0.0193	0.7500	MOSCOW
3590	F	2697	1606	F = 0.0000	mk = 0.0086	1.0000	ADELAIDE
3591	F	2697	1606	F = 0.0000	mk = 0.0086	1.0000	GHAZZA
3594	M	2704	2962	F = 0.0000	mk = 0.0043	0.7500	HOEDSPRUI
3595	F	2704	2962	F = 0.0000	mk = 0.0043	0.7500	LANGLEY
3596	F	2704	2962	F = 0.0000	mk = 0.0043	0.7500	LANGLEY
3597	F	2704	2962	F = 0.0000	mk = 0.0043	0.7500	LANGLEY
3602	M	1820	2666	F = 0.0000	mk = 0.0044	1.0000	OUDTSHORN
3603	M	1820	2666	F = 0.0000	mk = 0.0044	1.0000	GHAZZA
3604	M	1820	2666	F = 0.0000	mk = 0.0044	1.0000	OUDTSHORN
3605	F	1820	2666	F = 0.0000	mk = 0.0044	1.0000	GHAZZA
3606	F	1820	2666	F = 0.0000	mk = 0.0044	1.0000	OUDTSHORN
3607	M	2118	2619	F = 0.0000	mk = 0.0087	0.7500	BEUKLER
3608	M	2118	2619	F = 0.0000	mk = 0.0087	0.7500	PRET DW
3609	M	2118	2619	F = 0.0000	mk = 0.0087	0.7500	PRET DW
3610	F	2118	2619	F = 0.0000	mk = 0.0087	0.7500	GUANGZHOU
3611	F	2118	2619	F = 0.0000	mk = 0.0087	0.7500	RIYADH
3613	F	2118	3214	F = 0.0000	mk = 0.0077	0.7500	BEUKLER
3615	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ZAHN
3617	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	ZAHN
3618	F	1740	1921	F = 0.0000	mk = 0.0078	0.6250	PEAUGRES
3622	M	2118	2795	F = 0.0000	mk = 0.0087	0.7500	PRET DW
3623	F	2118	2795	F = 0.0000	mk = 0.0087	0.7500	RIYADH
3624	F	2510	2195	F = 0.0000	mk = 0.0108	1.0000	WASS BR C
3625	M	2663	2284	F = 0.0000	mk = 0.0052	1.0000	DUBAI
3626	M	2118	2989	F = 0.0079	mk = 0.0149	0.7500	RIYADH
3627	F	2118	2989	F = 0.0079	mk = 0.0149	0.7500	GUANGZHOU
3629	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	AYWAILLE
3630	F	WILD	WILD	F = 0.0000	mk = 0.0010	1.0000	PRET DW
3632	M	P3630	3630	F = 0.0000	mk = 0.0012	1.0000	PRET DW
3633	M	P3630	3630	F = 0.0000	mk = 0.0012	1.0000	PRET DW
3634	F	P3630	3630	F = 0.0000	mk = 0.0012	1.0000	PRET DW
3635	F	P3630	3630	F = 0.0000	mk = 0.0012	1.0000	PRET DW
3636	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KRAAIFONT
3637	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	FUG
3638	M	2524	1658	F = 0.0000	mk = 0.0027	1.0000	FONTAINE
3639	M	2524	1658	F = 0.0000	mk = 0.0027	1.0000	DUBAI
3640	F	2524	1658	F = 0.0000	mk = 0.0027	1.0000	DUBAI
3642	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3643	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSEN
3644	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSEN
3645	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSEN
3646	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSEN
3656	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VONLEIPZI
3660	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VONLEIPZI
3661	M	2305	1829	F = 0.0000	mk = 0.0066	1.0000	OUDTSHORN

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3662	F	2305	1829	F = 0.0000	mk = 0.0066	1.0000	OUDTSHORN
3663	F	2305	1829	F = 0.0000	mk = 0.0066	1.0000	NORDITALI
3666	F	2193	2152	F = 0.0000	mk = 0.0133	1.0000	COLUMBUS
3667	F	2193	2152	F = 0.0000	mk = 0.0133	1.0000	BATTLE CR
3668	M	2510	2195	F = 0.0000	mk = 0.0108	1.0000	WARSAW
3669	M	2510	2195	F = 0.0000	mk = 0.0108	1.0000	WARSAW
3670	M	2819	2196	F = 0.0000	mk = 0.0083	1.0000	PEAUGRES
3671	M	2819	2196	F = 0.0000	mk = 0.0083	1.0000	SALZBURG
3672	F	2819	2196	F = 0.0000	mk = 0.0083	1.0000	SALZBURG
3673	F	2819	2196	F = 0.0000	mk = 0.0083	1.0000	PEAUGRES
3675	F	2447	2801	F = 0.0000	mk = 0.0128	0.9375	MONTGOMRY
3676	M	2220	522	F = 0.0508	mk = 0.0192	0.8125	SANDIEGOZ
3678	F	2220	522	F = 0.0508	mk = 0.0192	0.8125	EVANSVILLE
3679	F	2220	522	F = 0.0508	mk = 0.0192	0.8125	DICKERSON
3680	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KLUCKNER
3681	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KLUCKNER
3682	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	KLUCKNER
3684	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	JOHANSBRG
3685	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	STELLENBO
3687	F	WILD	WILD	F = 0.0000	mk = 0.0010	1.0000	PRET DW
3688	F	1985	1669	F = 0.0000	mk = 0.0055	1.0000	BORAS
3694	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3696	F	2191	1892	F = 0.0000	mk = 0.0122	0.7500	JADERBERG
3699	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3700	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3702	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	JOHANSBRG
3704	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	JOHANSBRG
3705	M	2399	3332	F = 0.0000	mk = 0.0048	1.0000	LANGLEY
3706	F	2399	3332	F = 0.0000	mk = 0.0048	1.0000	HOEDSPRUI
3707	F	2399	3332	F = 0.0000	mk = 0.0048	1.0000	HOEDSPRUI
3708	M	2705	2553	F = 0.0000	mk = 0.0055	0.7500	ADELAIDE
3709	M	2705	2553	F = 0.0000	mk = 0.0055	0.7500	ADELAIDE
3710	M	2705	2553	F = 0.0000	mk = 0.0055	0.7500	ADELAIDE
3711	M	2705	2553	F = 0.0000	mk = 0.0055	0.7500	BOGOR
3712	M	2705	2553	F = 0.0000	mk = 0.0055	0.7500	BOGOR
3713	F	2705	2553	F = 0.0000	mk = 0.0055	0.7500	GHIAZZA
3714	F	2705	2553	F = 0.0000	mk = 0.0055	0.7500	GHIAZZA
3715	M	2385	2401	F = 0.0000	mk = 0.0033	0.5000	ADELAIDE
3717	M	2385	2401	F = 0.0000	mk = 0.0033	0.5000	BOGOR
3718	F	2385	2401	F = 0.0000	mk = 0.0033	0.5000	HOEDSPRUI
3719	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	JOHANSBRG
3720	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3721	M	2715	2242	F = 0.0000	mk = 0.0040	1.0000	TORONTO
3722	M	2701	2461	F = 0.0079	mk = 0.0126	0.7500	LA PALMYR
3723	F	2701	2461	F = 0.0079	mk = 0.0126	0.7500	BELFAST
3724	F	2701	2461	F = 0.0079	mk = 0.0126	0.7500	MUNSTER
3725	F	2701	2461	F = 0.0079	mk = 0.0126	0.7500	PARIS ZOO
3727	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3728	F	3005	2706	F = 0.0000	mk = 0.0068	0.4688	BOGOR
3729	F	3005	2706	F = 0.0000	mk = 0.0068	0.4688	ADELAIDE
3730	F	3005	2706	F = 0.0000	mk = 0.0068	0.4688	HUNT
3731	M	2521	3351	F = 0.2500	mk = 0.0067	0.9062	HOEDSPRUI
3732	F	2521	3351	F = 0.2500	mk = 0.0067	0.9062	LISBON
3739	M	2378	1606	F = 0.0000	mk = 0.0066	1.0000	HOEDSPRUI

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3741	M	3149	1993	F = 0.0469	mk = 0.0184	1.0000	WASS BR C
3742	M	3149	1993	F = 0.0469	mk = 0.0184	1.0000	WASS BR C
3745	M	2871	2174	F = 0.0000	mk = 0.0026	1.0000	HIMEJI
3748	F	2871	2174	F = 0.0000	mk = 0.0026	1.0000	HIMEJI
3750	F	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
3751	F	2117	2480	F = 0.0000	mk = 0.0163	1.0000	RIYADH
3753	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	CHAMPREP
3754	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	CHAMPREP
3755	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	LA PALMYR
3756	F	1755	2850	F = 0.1250	mk = 0.0096	1.0000	LA PALMYR
3757	F	1755	2850	F = 0.1250	mk = 0.0096	1.0000	LA PALMYR
3758	M	2447	2801	F = 0.0000	mk = 0.0128	0.9375	DISNEY AK
3760	M	2447	2801	F = 0.0000	mk = 0.0128	0.9375	BATONROUG
3761	F	2447	2801	F = 0.0000	mk = 0.0128	0.9375	DISNEY AK
3762	M	3102	2433	F = 0.0098	mk = 0.0136	0.8750	CHAMPREP
3763	M	3102	2433	F = 0.0098	mk = 0.0136	0.8750	CHAMPREP
3766	F	3102	2433	F = 0.0098	mk = 0.0136	0.8750	MULHOUSE
3767	M	2399	2962	F = 0.0000	mk = 0.0041	1.0000	HOEDSPRUI
3768	M	2399	2962	F = 0.0000	mk = 0.0041	1.0000	TSWALA
3769	M	2399	2962	F = 0.0000	mk = 0.0041	1.0000	TSWALA
3770	F	2399	2962	F = 0.0000	mk = 0.0041	1.0000	HOEDSPRUI
3776	M	2543	1423	F = 0.0000	mk = 0.0063	1.0000	HOEDSPRUI
3777	M	2543	1423	F = 0.0000	mk = 0.0063	1.0000	THORNYBUS
3778	F	2543	1423	F = 0.0000	mk = 0.0063	1.0000	TSWALA
3779	M	2510	2503	F = 0.0000	mk = 0.0124	1.0000	WASS BR C
3782	F	2117	3213	F = 0.0000	mk = 0.0049	1.0000	PRET DW
3783	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3784	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3786	F	2118	3074	F = 0.0312	mk = 0.0134	0.7500	METROZOO
3787	F	2118	3074	F = 0.0312	mk = 0.0134	0.7500	PRET DW
3789	F	2715	2242	F = 0.0000	mk = 0.0040	1.0000	ROCKTON
3790	F	2715	2242	F = 0.0000	mk = 0.0040	1.0000	ROCKTON
3791	F	2715	2242	F = 0.0000	mk = 0.0040	1.0000	TORONTO
3792	M	3382	3332	F = 0.0000	mk = 0.0025	1.0000	LISBON
3793	F	3382	3332	F = 0.0000	mk = 0.0025	1.0000	BRAVA
3794	F	3382	3332	F = 0.0000	mk = 0.0025	1.0000	HOEDSPRUI
3795	F	3382	3332	F = 0.0000	mk = 0.0025	1.0000	BRAVA
3796	M	2552	1423	F = 0.0000	mk = 0.0063	1.0000	BRAVA
3797	F	2552	1423	F = 0.0000	mk = 0.0063	1.0000	LISBON
3802	M	2306	2303	F = 0.0000	mk = 0.0047	1.0000	STELLENBO
3803	M	2306	2303	F = 0.0000	mk = 0.0047	1.0000	CINCINNAT
3804	F	2306	2303	F = 0.0000	mk = 0.0047	1.0000	STELLENBO
3805	U	2543	1011	F = 0.0000	mk = 0.0041	0.5000	HOEDSPRUI
3806	M	2543	1011	F = 0.0000	mk = 0.0041	0.5000	HOEDSPRUI
3807	M	2543	1011	F = 0.0000	mk = 0.0041	0.5000	HOEDSPRUI
3808	M	2543	1011	F = 0.0000	mk = 0.0041	0.5000	HOEDSPRUI
3809	M	2543	1011	F = 0.0000	mk = 0.0041	0.5000	HOEDSPRUI
3810	F	2521	2553	F = 0.0000	mk = 0.0044	1.0000	HOEDSPRUI
3811	F	2521	2553	F = 0.0000	mk = 0.0044	1.0000	HOEDSPRUI
3812	M	2521	2553	F = 0.0000	mk = 0.0044	1.0000	HOEDSPRUI
3813	M	2521	2553	F = 0.0000	mk = 0.0044	1.0000	HOEDSPRUI
3814	M	2521	2553	F = 0.0000	mk = 0.0044	1.0000	HOEDSPRUI
3815	M	2521	2553	F = 0.0000	mk = 0.0044	1.0000	HOEDSPRUI
3817	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3821	M	2794	2666	F = 0.0000	mk = 0.0042	1.0000	UNKNOWN
3822	M	2794	2666	F = 0.0000	mk = 0.0042	1.0000	OUDTSHORN
3827	M	P3826	3826	F = 0.0000	mk = 0.0010	1.0000	OUDTSHORN
3828	M	P3826	3826	F = 0.0000	mk = 0.0010	1.0000	OUDTSHORN
3829	M	P3826	3826	F = 0.0000	mk = 0.0010	1.0000	OUDTSHORN
3830	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3831	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3832	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3833	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3834	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3835	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3836	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3837	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	GHIAZZA R
3838	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	GHIAZZA
3839	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3840	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3841	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3842	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3843	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	OUDTSHORN
3844	M	2136	2983	F = 0.0000	mk = 0.0149	0.8750	LAKEBUENA
3845	M	2136	2983	F = 0.0000	mk = 0.0149	0.8750	LAKEBUENA
3846	F	2136	2983	F = 0.0000	mk = 0.0149	0.8750	LAKEBUENA
3847	F	2136	2983	F = 0.0000	mk = 0.0149	0.8750	LAKEBUENA
3851	F	2676	3219	F = 0.0000	mk = 0.0076	0.7500	PRAHA
3852	F	2676	3219	F = 0.0000	mk = 0.0076	0.7500	PRAHA
3853	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	E KOTZE
3854	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	E KOTZE
3855	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HEIMSTADT
3856	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HEIMSTADT
3861	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
3862	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	AUGSBURG
3863	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	AUGSBURG
3877	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3879	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3880	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3881	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3882	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3883	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3884	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3885	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3886	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3887	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3888	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3889	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3890	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
3891	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VONSEYDLI
3892	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VONSEYDLI
3895	M	P2195	2195	F = 0.0000	mk = 0.0086	0.5000	WASS BR C
3896	M	P2195	2195	F = 0.0000	mk = 0.0086	0.5000	WASS BR C
3897	F	P2195	2195	F = 0.0000	mk = 0.0086	0.5000	AMERSFOOR
3898	F	P2195	2195	F = 0.0000	mk = 0.0086	0.5000	WASS BR C
3899	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	DIETTERLE
3900	M	1936	2256	F = 0.0000	mk = 0.0184	0.7500	NEUWIED
3901	M	1936	2256	F = 0.0000	mk = 0.0184	0.7500	HODENHAGN



Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3902	F	1936	2256	F = 0.0000	mk = 0.0184	0.7500	WARSAW
3903	F	1936	2256	F = 0.0000	mk = 0.0184	0.7500	NEUWIED
3904	M	1619	1993	F = 0.0000	mk = 0.0195	1.0000	DUBAI
3906	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HIMEJI
3907	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HIMEJI
3912	F	1722	3512	F = 0.0000	mk = 0.0053	0.5000	ORANA
3913	F	1722	3512	F = 0.0000	mk = 0.0053	0.5000	ORANA
3914	M	1722	3512	F = 0.0000	mk = 0.0053	0.5000	ORANA
3915	F	3151	2241	F = 0.0098	mk = 0.0111	0.7812	WINSTON
3916	F	3151	2241	F = 0.0098	mk = 0.0111	0.7812	WINSTON
3917	M	3496	3045	F = 0.0312	mk = 0.0142	0.8125	HILVARENB
3918	M	3496	3045	F = 0.0312	mk = 0.0142	0.8125	HILVARENB
3919	F	3496	3045	F = 0.0312	mk = 0.0142	0.8125	HILVARENB
3920	F	3496	3045	F = 0.0312	mk = 0.0142	0.8125	HILVARENB
3921	M	1936	3068	F = 0.0000	mk = 0.0089	0.7500	ANEAU
3922	F	1936	3068	F = 0.0000	mk = 0.0089	0.7500	NEUWIED
3923	F	1936	3068	F = 0.0000	mk = 0.0089	0.7500	AMERSFOOR
3924	M	1936	3121	F = 0.0000	mk = 0.0166	0.7500	ANEAU
3925	M	1936	3121	F = 0.0000	mk = 0.0166	0.7500	REYNOU
3926	F	1936	3121	F = 0.0000	mk = 0.0166	0.7500	AMERSFOOR
3927	F	1936	3121	F = 0.0000	mk = 0.0166	0.7500	NEUWIED
3928	M	3484	2503	F = 0.0000	mk = 0.0159	1.0000	NEUWIED
3929	F	3484	2503	F = 0.0000	mk = 0.0159	1.0000	ARNEAU
3930	F	3484	2503	F = 0.0000	mk = 0.0159	1.0000	REYNOU
3932	M	3402	3274	F = 0.0000	mk = 0.0099	0.7812	HIMEJI
3933	M	3402	3274	F = 0.0000	mk = 0.0099	0.7812	SHIRAHAMA
3934	M	3402	3274	F = 0.0000	mk = 0.0099	0.7812	SHIRAHAMA
3935	F	3402	3274	F = 0.0000	mk = 0.0099	0.7812	SHIRAHAMA
3938	M	3402	2872	F = 0.0000	mk = 0.0064	0.8750	SHIRAHAMA
3939	M	3402	2872	F = 0.0000	mk = 0.0064	0.8750	SHIRAHAMA
3942	F	2385	2544	F = 0.0000	mk = 0.0026	0.5000	HOEDSPRUI
3943	F	2385	2544	F = 0.0000	mk = 0.0026	0.5000	HOEDSPRUI
3944	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3945	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3946	M	2705	2553	F = 0.0000	mk = 0.0055	0.7500	HOEDSPRUI
3947	F	2705	2553	F = 0.0000	mk = 0.0055	0.7500	KUALA LUM
3950	F	WILD	WILD	F = 0.0000	mk = 0.0010	1.0000	HOEDSPRUI
3951	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3952	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
3953	M	2552	2401	F = 0.0000	mk = 0.0023	1.0000	KUALA LUM
3954	M	2552	2401	F = 0.0000	mk = 0.0023	1.0000	HOEDSPRUI
3955	M	2552	2401	F = 0.0000	mk = 0.0023	1.0000	HOEDSPRUI
3956	M	2552	2401	F = 0.0000	mk = 0.0023	1.0000	HOEDSPRUI
3957	M	2396	1577	F = 0.0000	mk = 0.0024	0.5000	HOEDSPRUI
3958	F	2396	1577	F = 0.0000	mk = 0.0024	0.5000	HOEDSPRUI
3959	M	2372	1423	F = 0.0312	mk = 0.0080	1.0000	HOEDSPRUI
3960	F	2372	1423	F = 0.0312	mk = 0.0080	1.0000	HOEDSPRUI
3961	F	2372	1423	F = 0.0312	mk = 0.0080	1.0000	HOEDSPRUI
3963	F	2635	2989	F = 0.0000	mk = 0.0104	1.0000	PERTH
3964	M	2635	2989	F = 0.0000	mk = 0.0104	1.0000	PRET DW
3965	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3966	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	AUBURN
3967	F	2117	2480	F = 0.0000	mk = 0.0163	1.0000	AUBURN
3968	F	2774	2796	F = 0.0000	mk = 0.0111	1.0000	PRET DW

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
3969	F	2774	2796	F = 0.0000	mk = 0.0111	1.0000	PRET DW
3970	F	2774	2796	F = 0.0000	mk = 0.0111	1.0000	PRET DW
3971	M	2774	2796	F = 0.0000	mk = 0.0111	1.0000	PRET DW
3972	M	2774	2796	F = 0.0000	mk = 0.0111	1.0000	PRET DW
3974	M	2635	3265	F = 0.0000	mk = 0.0102	1.0000	PRET DW
3975	M	2635	3265	F = 0.0000	mk = 0.0102	1.0000	PRET DW
3976	M	2136	2983	F = 0.0000	mk = 0.0149	0.8750	YULEE
3977	M	2136	2983	F = 0.0000	mk = 0.0149	0.8750	YULEE
3978	F	2136	2983	F = 0.0000	mk = 0.0149	0.8750	YULEE
3979	F	2136	2983	F = 0.0000	mk = 0.0149	0.8750	YULEE
3980	M	2635	3413	F = 0.0000	mk = 0.0115	1.0000	PRET DW
3981	M	2635	3413	F = 0.0000	mk = 0.0115	1.0000	PRET DW
3982	F	2635	3413	F = 0.0000	mk = 0.0115	1.0000	PRET DW
3983	F	2635	3413	F = 0.0000	mk = 0.0115	1.0000	PRET DW
3984	F	2635	2133	F = 0.0000	mk = 0.0102	1.0000	PRET DW
3985	M	2635	2133	F = 0.0000	mk = 0.0102	1.0000	PRET DW
3986	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
3987	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
3988	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	METROZOO
3989	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
3990	F	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
3991	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3992	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3993	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3994	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
3995	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
4003	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HEIMSTADT
4004	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HEIMSTADT
4005	M	1936	3068	F = 0.0000	mk = 0.0089	0.7500	NEUWIED
4006	M	1936	3068	F = 0.0000	mk = 0.0089	0.7500	CINCINNAT
4007	F	1936	3068	F = 0.0000	mk = 0.0089	0.7500	OLOMOUC
4008	F	1936	3068	F = 0.0000	mk = 0.0089	0.7500	NEUWIED
4009	M	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	DICKERSON
4011	F	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	DICKERSON
4012	U	2572	3065	F = 0.0000	mk = 0.0075	0.6562	DVURKRALV
4013	U	2572	3065	F = 0.0000	mk = 0.0075	0.6562	DVURKRALV
4014	U	2572	3065	F = 0.0000	mk = 0.0075	0.6562	DVURKRALV
4016	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	BARTY
4017	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	LUNG
4018	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSEN
4019	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSEN
4020	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VAARTZ
4021	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
4022	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
4023	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VAARTZ
4024	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VAARTZ
4025	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
4026	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	VAARTZ
4027	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
4028	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	NEL
4029	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHAEFFER
4030	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHAEFFER
4031	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHMIDT
4032	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHMIDT

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
4033	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHMIDT
4034	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHMIDT
4035	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHAEFFER
4036	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHAEFFER
4037	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHAEFFER
4038	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHMIT
4039	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHMIDT
4042	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
4043	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
4044	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
4045	M	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	AL AIN
4046	F	UNK	UNK	F = 0.0000	mk = 0.0000	0.0000	AL AIN
4047	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	PONTSCORF
4048	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	WASS BR C
4049	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	HODENHAGN
4050	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	LA PALMYR
4051	F	3145	2773	F = 0.0547	mk = 0.0178	1.0000	NURNBERG
4052	F	3145	2773	F = 0.0547	mk = 0.0178	1.0000	NURNBERG
4056	F	2914	2425	F = 0.0079	mk = 0.0101	0.9062	SD-WAP
4058	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	LA PALMYR
4059	M	1755	2850	F = 0.1250	mk = 0.0096	1.0000	LA PALMYR
4060	F	1755	2850	F = 0.1250	mk = 0.0096	1.0000	LA PALMYR
4061	M	3496	3424	F = 0.0040	mk = 0.0140	0.9375	HILVARENB
4062	M	3496	3424	F = 0.0040	mk = 0.0140	0.9375	HILVARENB
4063	M	3496	3424	F = 0.0040	mk = 0.0140	0.9375	HILVARENB
4064	F	3496	3424	F = 0.0040	mk = 0.0140	0.9375	HILVARENB
4065	F	1755	2850	F = 0.1250	mk = 0.0096	1.0000	PONTSCORF
4066	M	3496	3426	F = 0.0040	mk = 0.0141	0.9375	HILVARENB
4067	M	3496	3426	F = 0.0040	mk = 0.0141	0.9375	HILVARENB
4068	F	3496	3426	F = 0.0040	mk = 0.0141	0.9375	HILVARENB
4069	F	3496	3426	F = 0.0040	mk = 0.0141	0.9375	HILVARENB
4070	F	3496	3426	F = 0.0040	mk = 0.0141	0.9375	HILVARENB
4071	M	3495	3045	F = 0.0312	mk = 0.0136	0.8125	HILVARENB
4072	M	3495	3045	F = 0.0312	mk = 0.0136	0.8125	HILVARENB
4073	F	3495	3045	F = 0.0312	mk = 0.0136	0.8125	HILVARENB
4074	M	3412	3274	F = 0.0000	mk = 0.0140	0.9062	SHIRAHAMA
4075	M	3412	3274	F = 0.0000	mk = 0.0140	0.9062	SHIRAHAMA
4076	M	3412	3274	F = 0.0000	mk = 0.0140	0.9062	SHIRAHAMA
4077	M	3412	3274	F = 0.0000	mk = 0.0140	0.9062	SHIRAHAMA
4078	F	3412	3274	F = 0.0000	mk = 0.0140	0.9062	SHIRAHAMA
4079	U	2853	3696	F = 0.0000	mk = 0.0083	0.8750	JADERBERG
4080	U	2853	3696	F = 0.0000	mk = 0.0083	0.8750	JADERBERG
4081	U	2853	3696	F = 0.0000	mk = 0.0083	0.8750	JADERBERG
4082	U	2853	3696	F = 0.0000	mk = 0.0083	0.8750	JADERBERG
4083	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
4084	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
4085	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HANSSEN
4087	F	2275	3481	F = 0.0000	mk = 0.0012	1.0000	MITO CHO
4088	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	PRET DW
4089	F	2635	2989	F = 0.0000	mk = 0.0104	1.0000	CHINA
4090	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	HOEDSPRUI
4091	M	2793	2666	F = 0.0000	mk = 0.0042	1.0000	OUDTSHORN
4092	M	2552	3950	F = 0.0000	mk = 0.0020	1.0000	HOEDSPRUI
4093	M	2552	3950	F = 0.0000	mk = 0.0020	1.0000	GIAZZA

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
4094	M	2552	3950	F = 0.0000	mk = 0.0020	1.0000	HOEDSPRUI
4095	M	2552	3950	F = 0.0000	mk = 0.0020	1.0000	HOEDSPRUI
4096	M	2543	2706	F = 0.0000	mk = 0.0046	0.7500	HOEDSPRUI
4097	F	2543	2706	F = 0.0000	mk = 0.0046	0.7500	HOEDSPRUI
4098	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	EGERTON
4099	F	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	EGERER
4100	M	3288	3405	F = 0.0000	mk = 0.0062	0.8750	CHINA
4101	F	3288	3405	F = 0.0000	mk = 0.0062	0.8750	CHINA
4102	M	2635	2989	F = 0.0000	mk = 0.0104	1.0000	CHINA
4103	F	2635	2989	F = 0.0000	mk = 0.0104	1.0000	PRET DW
4104	F	2635	2989	F = 0.0000	mk = 0.0104	1.0000	CHINA
4105	M	2635	3265	F = 0.0000	mk = 0.0102	1.0000	CHINA
4106	F	2635	3265	F = 0.0000	mk = 0.0102	1.0000	PRET DW
4108	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
4109	M	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
4110	F	2117	2480	F = 0.0000	mk = 0.0163	1.0000	PRET DW
4111	M	2635	2775	F = 0.0000	mk = 0.0128	1.0000	PRET DW
4112	M	2635	2775	F = 0.0000	mk = 0.0128	1.0000	PRET DW
4113	F	2635	2775	F = 0.0000	mk = 0.0128	1.0000	PRET DW
4114	F	3288	3079	F = 0.0000	mk = 0.0061	0.8750	PRET DW
4115	F	3288	3079	F = 0.0000	mk = 0.0061	0.8750	PRET DW
4116	F	3288	3079	F = 0.0000	mk = 0.0061	0.8750	PRET DW
4117	M	3061	3332	F = 0.0000	mk = 0.0043	0.7500	HOEDSPRUI
4118	M	3061	3332	F = 0.0000	mk = 0.0043	0.7500	HOEDSPRUI
4119	F	3061	3332	F = 0.0000	mk = 0.0043	0.7500	HOEDSPRUI
4120	M	2635	3687	F = 0.0000	mk = 0.0036	1.0000	PRET DW
4121	F	2635	3687	F = 0.0000	mk = 0.0036	1.0000	PRET DW
4122	F	2635	3687	F = 0.0000	mk = 0.0036	1.0000	PRET DW
4123	F	2635	3687	F = 0.0000	mk = 0.0036	1.0000	PRET DW
4125	F	2774	2796	F = 0.0000	mk = 0.0111	1.0000	PRET DW
4126	F	2774	2796	F = 0.0000	mk = 0.0111	1.0000	PRET DW
4127	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
4128	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
4129	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
4130	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	CCF
4131	M	WILD	WILD	F = 0.0000	mk = 0.0000	1.0000	SCHMIDT
4132	M	3412	2872	F = 0.0000	mk = 0.0105	1.0000	SHIRAHAMA
4133	M	3412	2872	F = 0.0000	mk = 0.0105	1.0000	SHIRAHAMA
4134	M	3412	2872	F = 0.0000	mk = 0.0105	1.0000	SHIRAHAMA
4136	F	3412	2872	F = 0.0000	mk = 0.0105	1.0000	SHIRAHAMA
4137	M	2510	2503	F = 0.0000	mk = 0.0124	1.0000	WASS BR C
4138	F	2510	2503	F = 0.0000	mk = 0.0124	1.0000	WASS BR C
4139	M	2204	3460	F = 0.0312	mk = 0.0154	0.9062	LUTHER
4140	F	2204	3460	F = 0.0312	mk = 0.0154	0.9062	LUTHER
4141	F	2204	3460	F = 0.0312	mk = 0.0154	0.9062	BATONROUG
4142	M	2275	3481	F = 0.0000	mk = 0.0012	1.0000	MITO CHO
4143	M	2275	3481	F = 0.0000	mk = 0.0012	1.0000	MITO CHO
4144	M	2275	3481	F = 0.0000	mk = 0.0012	1.0000	MITO CHO
4145	M	3148	3240	F = 0.0313	mk = 0.0166	1.0000	VIENNA
4146	F	3148	3240	F = 0.0313	mk = 0.0166	1.0000	VIENNA
4147	F	2521	3353	F = 0.2500	mk = 0.0067	0.9062	HOEDSPRUI
4148	M	2793	2666	F = 0.0000	mk = 0.0042	1.0000	OUDTSHORN
4149	F	2793	2666	F = 0.0000	mk = 0.0042	1.0000	OUDTSHORN
4150	M	2305	2666	F = 0.0000	mk = 0.0071	1.0000	OUDTSHORN

Studbook	Sire	Dam	Inbreeding	Mean kinship known	Location		
4151	M	2305	2666	F = 0.0000	mk = 0.0071	1.0000	OUDTSHORN
4152	F	2305	2666	F = 0.0000	mk = 0.0071	1.0000	OUDTSHORN
4153	F	2305	2666	F = 0.0000	mk = 0.0071	1.0000	OUDTSHORN
4154	F	2663	2888	F = 0.0000	mk = 0.0049	1.0000	OUDTSHORN
4158	M	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL
4159	M	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL
4160	M	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL
4161	M	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL
4162	M	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL
4163	F	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL
4164	F	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL
4165	F	2355	2703	F = 0.0000	mk = 0.0098	1.0000	MARWELL

**SECTION L**

**Mean Kinship by Sex**

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known		
1	T1209	0.0000	0	1.00	BULAW	T1167	0.0000	0	0.00	HUIZE	3805	0.0040	3	0.5
2	T1210	0.0000	0	1.00	BULAW	T1038	0.0000	0	1.00	L RUH	4012	0.0074	1	0.66
3	T1211	0.0000	0	1.00	BULAW	T1185	0.0000	0	1.00	HEIDE	4013	0.0074	1	0.66
4	T1212	0.0000	0	1.00	BULAW	T1194	0.0000	0	1.00	COLCH	4014	0.0074	1	0.66
5	T265	0.0000	38	1.00	ZEEHA	T1206	0.0000	0	1.00	BULAW	4079	0.0082	1	0.88
6	T304	0.0000	37	1.00	ZEEHA	T1207	0.0000	0	1.00	BULAW	4080	0.0082	1	0.88
7	T349	0.0000	36	1.00	FERND	T1208	0.0000	0	1.00	BULAW	4081	0.0082	1	0.88
8	T373	0.0000	35	1.00	ZEEHA	T1043	0.0000	39	1.00	MELBO	4082	0.0082	1	0.88
9	T386	0.0000	35	1.00	NORCO	T267	0.0000	38	1.00	ZEEHA				
10	T404	0.0000	34	1.00	UNKNO	T325	0.0000	36	1.00	KNIE				
11	T407	0.0000	34	1.00	UNKNO	T420	0.0000	34	1.00	UNKNO				
12	T417	0.0000	34	1.00	FERND	44	0.0000	31	1.00	BENTO				
13	T1069	0.0000	34	1.00	KNIGH	489	0.0000	30	0.00	VARAD				
14	T1070	0.0000	34	1.00	KNIGH	T554	0.0000	28	1.00	SACRA				
15	T441	0.0000	33	1.00	UNKNO	728	0.0000	27	1.00	SOEST				
16	T477	0.0000	32	0.00	UNKNO	786	0.0000	25	1.00	NADER				
17	T464	0.0000	32	1.00	UNKNO	T626	0.0000	25	1.00	UNKNO				
18	T465	0.0000	32	1.00	UNKNO	T1076	0.0000	25	1.00	CRAND				
19	T466	0.0000	32	1.00	UNKNO	T1077	0.0000	25	1.00	CRAND				
20	T472	0.0000	32	1.00	UNKNO	869	0.0000	24	1.00	YOSHI				
21	T478	0.0000	32	1.00	UNKNO	870	0.0000	24	1.00	YOSHI				
22	T479	0.0000	32	1.00	UNKNO	871	0.0000	24	1.00	YOSHI				
23	T480	0.0000	32	1.00	UNKNO	874	0.0000	24	1.00	ARITA				
24	T481	0.0000	32	1.00	UNKNO	T1184	0.0000	23	1.00	HEIDE				
25	T482	0.0000	32	1.00	UNKNO	T1166	0.0000	22	1.00	OUPTS				
26	T483	0.0000	32	1.00	UNKNO	2408	0.0000	20	1.00	BULAW				
27	T484	0.0000	32	1.00	UNKNO	2409	0.0000	20	1.00	BULAW				
28	T485	0.0000	32	1.00	UNKNO	2410	0.0000	20	1.00	BULAW				
29	T486	0.0000	32	1.00	UNKNO	2411	0.0000	20	1.00	BULAW				
30	T487	0.0000	32	1.00	UNKNO	2412	0.0000	20	1.00	BULAW				
31	T488	0.0000	32	1.00	UNKNO	2608	0.0000	20	1.00	HAVAN				
32	662	0.0000	30	1.00	SOEST	T673	0.0000	18	1.00	UNKNO				
33	T514	0.0000	30	1.00	SACRA	2050	0.0000	17	1.00	YOSHI				
34	T1028	0.0000	30	1.00	HOGLE	2615	0.0000	17	1.00	KRAAI				
35	707	0.0000	28	1.00	SOEST	3684	0.0000	17	1.00	JOHAN				
36	T1119	0.0000	27	1.00	MOORE	1469	0.0000	16	1.00	DVURK				
37	T620	0.0000	25	1.00	UNKNO	1477	0.0000	16	1.00	LISBO				
38	T1075	0.0000	25	1.00	CRAND	1478	0.0000	16	1.00	MAIA				
39	868	0.0000	24	1.00	YOSHI	1484	0.0000	16	1.00	KOLN				
40	2818	0.0000	24	1.00	VANDE	2184	0.0000	16	1.00	TAIPE				
41	2404	0.0000	22	1.00	TULA	T1200	0.0000	16	1.00	RABAT				
42	2406	0.0000	20	1.00	BULAW	2064	0.0000	16	0.00	KAUNA				
43	2407	0.0000	20	1.00	BULAW	2618	0.0000	16	1.00	ZOOLA				
44	2036	0.0000	18	1.00	NISHI	1557	0.0000	15	1.00	CHEST				
45	1398	0.0000	17	1.00	TULA	1624	0.0000	15	1.00	RABAT				
46	2051	0.0000	17	1.00	YOSHI	1812	0.0000	15	1.00	SUTTO				
47	2581	0.0000	17	1.00	SAFAR	1862	0.0000	15	1.00	MORT				
48	3187	0.0000	17	1.00	LETTE	2519	0.0000	15	1.00	JAKAR				
49	2582	0.0000	16	1.00	SAFAR	1585	0.0000	15	0.00	TIJUA				
50	T1199	0.0000	16	1.00	RABAT	2952	0.0000	15	1.00	AMMAN				
51	1623	0.0000	15	1.00	RABAT	2789	0.0000	14	0.00	HARTB				
52	2280	0.0000	15	1.00	SUTTO	1637	0.0000	14	1.00	COLCH				
53	2281	0.0000	15	1.00	SUTTO	1815	0.0000	14	1.00	PARIS				
54	3188	0.0000	15	1.00	LETTE	1817	0.0000	14	1.00	PONTS				
55	2788	0.0000	14	0.00	HARTB	3200	0.0000	14	1.00	LETTE				
56	1650	0.0000	14	1.00	BORAS	1483	0.0000	13	1.00	KOLN				
57	1651	0.0000	14	1.00	BORAS	1633	0.0000	13	1.00	TOBU				
58	1863	0.0000	14	1.00	PARIS	1711	0.0000	13	1.00	MONTP				
59	2584	0.0000	14	1.00	SAFAR	3038	0.0000	13	1.00	SAARB				
60	2587	0.0000	14	1.00	USAKO	T1187	0.0000	13	1.00	AUGSB				
61	1990	0.0000	13	1.00	HANNO	T1188	0.0000	13	1.00	AUGSB				
62	2523	0.0000	13	1.00	MOSCO	2288	0.0000	12	1.00	SUTTO				
63	2820	0.0000	13	1.00	HANSS	2289	0.0000	12	1.00	SUTTO				
64	2822	0.0000	13	1.00	VANDE	2290	0.0000	12	1.00	SUTTO				
65	3189	0.0000	13	1.00	LETTE	2824	0.0000	12	1.00	VANDE				
66	T1171	0.0000	13	1.00	AYWAI	2838	0.0000	12	1.00	CCF				
67	T1186	0.0000	13	1.00	AUGSB	3036	0.0000	12	1.00	VOIGT				

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
68	3629	0.0000	13	1.00	AYWAI T1190	0.0000	12	1.00	AUGSB			
69	2791	0.0000	12	0.00	HARTB 1830	0.0000	12	1.00	SUTTO			
70	2286	0.0000	12	1.00	SUTTO 3879	0.0000	12	1.00	HANSS			
71	2622	0.0000	12	1.00	STEEN 2792	0.0000	11	0.00	HARTB			
72	2823	0.0000	12	1.00	VANDE 3191	0.0000	11	1.00	REIMA			
73	2953	0.0000	12	1.00	KOEGL 3212	0.0000	11	1.00	NEL			
74	2954	0.0000	12	1.00	KOEGL 2827	0.0000	10	1.00	VANDE			
75	2955	0.0000	12	1.00	KOEGL 3685	0.0000	10	1.00	STELL			
76	3190	0.0000	12	1.00	LETTE 3899	0.0000	10	1.00	DIETT			
77	3475	0.0000	12	1.00	KLUCK 2828	0.0000	10	1.00	VANDE			
78	3863	0.0000	12	1.00	AUGSB 2591	0.0000	99	1.00	HANSS			
79	T1189	0.0000	12	1.00	AUGSB 2633	0.0000	10	1.00	HOEDS			
80	4019	0.0000	12	1.00	HANSS 2634	0.0000	10	1.00	HOEDS			
81	1827	0.0000	12	1.00	SUTTO 2746	0.0000	10	1.00	HOEDS			
82	1828	0.0000	12	1.00	SUTTO 2840	0.0000	10	1.00	VONSE			
83	2624	0.0000	12	1.00	HAVAN 2627	0.0000	9	1.00	TOKYO			
84	3636	0.0000	12	1.00	KRAAI 2628	0.0000	9	1.00	TOKYO			
85	3862	0.0000	11	1.00	AUGSB 3256	0.0000	9	1.00	VOIGT			
86	3201	0.0000	11	1.00	LETTE 2533	0.0000	9	1.00	TOMIO			
87	3202	0.0000	11	1.00	LETTE 2959	0.0000	9	1.00	SAFAR			
88	3203	0.0000	11	1.00	LETTE 2960	0.0000	9	1.00	SAFAR			
89	3476	0.0000	11	1.00	NEUWI T1170	0.0000	9	0.00	AYWAI			
90	2588	0.0000	99	1.00	HANSS 2638	0.0000	9	1.00	HOEDS			
91	2629	0.0000	11	1.00	STEEN 2830	0.0000	99	1.00	HANSS			
92	2826	0.0000	10	1.00	VANDE 3479	0.0000	8	1.00	MITO			
93	3184	0.0000	10	1.00	KRAAI 2816	0.0000	8	1.00	HOEDS			
94	3477	0.0000	10	1.00	KLUCK 3193	0.0000	8	1.00	LETTE			
95	4003	0.0000	99	1.00	HEIMS 3194	0.0000	8	1.00	LETTE			
96	2632	0.0000	10	1.00	PRET 2963	0.0000	7	1.00	HOEDS			
97	2839	0.0000	10	1.00	VONSE 3253	0.0000	7	1.00	NEL			
98	2940	0.0000	9	1.00	SINGA 3254	0.0000	7	1.00	NEL			
99	3041	0.0000	9	1.00	HANSS 3452	0.0000	7	1.00	SHIRA			
100	3185	0.0000	9	1.00	KRAAI 3891	0.0000	7	1.00	VONSE			
101	3255	0.0000	9	1.00	VOIGT 3177	0.0000	7	1.00	GEBAU			
102	2958	0.0000	9	1.00	SAFAR 3178	0.0000	7	1.00	GEBAU			
103	2536	0.0000	9	0.00	HUIZE 3058	0.0000	7	1.00	PRET			
104	2636	0.0000	9	1.00	HOEDS T1168	0.0000	7	0.00	VIENN			
105	2637	0.0000	9	1.00	HOEDS 3335	0.0000	6	1.00	HOEDS			
106	3841	0.0000	9	1.00	UDTS 3385	0.0000	6	1.00	PRET			
107	2545	0.0000	9	1.00	HOEDS 3480	0.0000	6	1.00	MITO			
108	3037	0.0000	9	1.00	VOIGT 3482	0.0000	6	1.00	KLUCK			
109	3478	0.0000	8	1.00	MITO 3208	0.0000	6	1.00	NEL			
110	3855	0.0000	8	1.00	HEIMS 3209	0.0000	6	1.00	NEL			
111	3856	0.0000	8	1.00	HEIMS 3337	0.0000	6	1.00	HOEDS			
112	2814	0.0000	8	1.00	HOEDS T1205	0.0000	6	1.00	BULAW			
113	3877	0.0000	8	1.00	HANSS 3387	0.0000	6	1.00	KRAAI			
114	2873	0.0000	8	1.00	COETZ 3379	0.0000	6	1.00	NAIR			
115	2874	0.0000	8	1.00	COETZ 3360	0.0000	6	1.00	HOEDS			
116	3251	0.0000	7	1.00	NEL 3361	0.0000	6	1.00	SCHOE			
117	3252	0.0000	7	1.00	NEL 3362	0.0000	6	1.00	HERN			
118	3892	0.0000	7	1.00	VONSE 3363	0.0000	6	1.00	HERN			
119	3048	0.0000	7	1.00	HANSS 3391	0.0000	5	1.00	HERN			
120	3096	0.0000	7	1.00	NAIR 3392	0.0000	5	1.00	HERN			
121	3176	0.0000	7	1.00	GEBAU 3393	0.0000	5	1.00	HANSS			
122	3057	0.0000	7	1.00	PRET 3694	0.0000	5	1.00	HANSS			
123	T1204	0.0000	7	1.00	BULAW 3408	0.0000	5	1.00	HANSS			
124	3124	0.0000	7	1.00	HOEDS 3409	0.0000	5	1.00	HANSS			
125	3333	0.0000	6	1.00	HOEDS 3699	0.0000	5	1.00	HANSS			
126	4027	0.0000	6	1.00	NEL 3637	0.0000	4	1.00	FUG			
127	4028	0.0000	6	1.00	NEL 3700	0.0000	4	1.00	HOEDS			
128	3206	0.0000	6	1.00	NEL 3838	0.0000	4	1.00	GHAZ			
129	3336	0.0000	6	1.00	HOEDS 3907	0.0000	4	1.00	HIMEJ			
130	3386	0.0000	6	1.00	KRAAI 4004	0.0000	4	1.00	HEIMS			
131	3995	0.0000	6	1.00	PRET 3861	0.0000	4	1.00	CCF			
132	3388	0.0000	6	1.00	HANSS 3834	0.0000	4	1.00	UDTS			
133	4033	0.0000	5	1.00	SCHMI 3835	0.0000	4	1.00	UDTS			
134	4034	0.0000	5	1.00	SCHMI 3642	0.0000	4	1.00	PRET			



Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
135	4131	0.0000	5	1.00	SCHMI	3681	0.0000	4	1.00	KLUCK		
136	3548	0.0000	5	1.00	WORMS	3682	0.0000	4	1.00	KLUCK		
137	3399	0.0000	5	1.00	ETHIO	3842	0.0000	4	1.00	OUPTS		
138	3406	0.0000	5	1.00	HANSS	3617	0.0000	4	1.00	ZAHN		
139	3407	0.0000	5	1.00	HANSS	3704	0.0000	4	1.00	JOHAN		
140	3457	0.0000	5	1.00	CCF	3784	0.0000	4	1.00	OUPTS		
141	4018	0.0000	5	1.00	HANSS	3839	0.0000	4	1.00	OUPTS		
142	3843	0.0000	4	1.00	OUPTS	3783	0.0000	4	1.00	OUPTS		
143	3906	0.0000	4	1.00	HIMEJ	3646	0.0000	4	1.00	HANSS		
144	3643	0.0000	4	1.00	HANSS	3660	0.0000	4	1.00	VONLE		
145	3644	0.0000	4	1.00	HANSS	3720	0.0000	4	1.00	HOEDS		
146	3645	0.0000	4	1.00	HANSS	3883	0.0000	3	1.00	HANSS		
147	3817	0.0000	4	1.00	OUPTS	3727	0.0000	3	1.00	HOEDS		
148	3574	0.0000	4	1.00	DIETT	3840	0.0000	3	1.00	OUPTS		
149	3575	0.0000	4	1.00	FUG	3882	0.0000	3	1.00	HANSS		
150	3833	0.0000	4	1.00	OUPTS	3888	0.0000	3	1.00	HANSS		
151	3680	0.0000	4	1.00	KLUCK	3832	0.0000	3	1.00	OUPTS		
152	3615	0.0000	4	1.00	ZAHN	3854	0.0000	3	1.00	E KOT		
153	3702	0.0000	4	1.00	JOHAN	4021	0.0000	3	1.00	CCF		
154	3880	0.0000	4	1.00	HANSS	4022	0.0000	3	1.00	CCF		
155	3656	0.0000	4	1.00	VONLE	4016	0.0000	3	1.00	BARTY		
156	3836	0.0000	4	1.00	OUPTS	4026	0.0000	3	1.00	VAART		
157	3837	0.0000	4	1.00	GHAZ	3889	0.0000	2	1.00	HANSS		
158	3719	0.0000	4	1.00	JOHAN	4042	0.0000	2	1.00	HANSS		
159	3885	0.0000	3	1.00	HANSS	4043	0.0000	2	1.00	HANSS		
160	3886	0.0000	3	1.00	HANSS	4046	0.0000	2	0.00	AL AI		
161	3887	0.0000	3	1.00	HANSS	3944	0.0000	2	1.00	HOEDS		
162	3890	0.0000	3	1.00	HANSS	3945	0.0000	2	1.00	HOEDS		
163	4128	0.0000	3	1.00	CCF	4031	0.0000	2	1.00	SCHMI		
164	4129	0.0000	3	1.00	CCF	4032	0.0000	2	1.00	SCHMI		
165	4130	0.0000	3	1.00	CCF	4099	0.0000	2	1.00	EGERE		
166	3881	0.0000	3	1.00	HANSS	4038	0.0000	2	1.00	SCHMI		
167	3830	0.0000	3	1.00	OUPTS	4039	0.0000	2	1.00	SCHMI		
168	3831	0.0000	3	1.00	OUPTS	4011	0.0000	2	0.00	DICKE		
169	3853	0.0000	3	1.00	E KOT	4024	0.0000	2	1.00	VAART		
170	3965	0.0000	3	1.00	PRET	3991	0.0000	2	1.00	PRET		
171	4020	0.0000	3	1.00	VAART	4088	0.0000	2	1.00	PRET		
172	3884	0.0000	3	1.00	HANSS	4090	0.0000	2	1.00	HOEDS		
173	4023	0.0000	3	1.00	VAART	4083	0.0000	1	1.00	HANSS		
174	4025	0.0000	3	1.00	CCF	2526	0.0002	12	1.00	MOSCO		
175	4017	0.0000	2	1.00	LUNG	3214	0.0002	10	1.00	PRET		
176	4045	0.0000	2	0.00	AL AI	1875	0.0004	16	1.00	NEUWI		
177	3951	0.0000	2	1.00	HOEDS	1826	0.0004	12	1.00	COLUM		
178	3952	0.0000	2	1.00	HOEDS	3039	0.0004	12	1.00	VANDE		
179	4029	0.0000	2	1.00	SCHAE	3213	0.0004	10	1.00	PRET		
180	4030	0.0000	2	1.00	SCHAE	2729	0.0004	99	1.00	HANSS		
181	4098	0.0000	2	1.00	EGERT	2544	0.0004	9	1.00	HOEDS		
182	4037	0.0000	2	1.00	SCHAE	1449	0.0007	17	0.50	MITO		
183	4009	0.0000	2	0.00	DICKE	3043	0.0007	8	1.00	VANDE		
184	4035	0.0000	2	1.00	SCHAE	3262	0.0007	6	1.00	HANSS		
185	4036	0.0000	2	1.00	SCHAE	2790	0.0008	14	1.00	PRET		
186	3992	0.0000	2	1.00	PRET	1140	0.0009	21	0.50	UNKNO		
187	3993	0.0000	2	1.00	PRET	1460	0.0009	16	1.00	HERBE		
188	3994	0.0000	2	1.00	PRET	1494	0.0009	16	1.00	HERBE		
189	4085	0.0000	2	1.00	HANSS	1611	0.0009	15	1.00	HERBE		
190	4044	0.0000	2	1.00	HANSS	2956	0.0009	11	1.00	SAFAR		
191	4127	0.0000	2	1.00	CCF	3630	0.0009	10	1.00	PRET		
192	4084	0.0000	1	1.00	HANSS	2556	0.0009	9	1.00	SELWO		
193	1813	0.0002	14	1.00	PARIS	3481	0.0009	6	1.00	MITO		
194	2011	0.0004	11	1.00	PARIS	3950	0.0009	6	1.00	HOEDS		
195	2626	0.0004	10	1.00	TOKYO	3687	0.0009	6	1.00	PRET		
196	2730	0.0004	8	1.00	HANSS	2613	0.0012	17	1.00	KRAAI		
197	947	0.0006	23	1.00	KRECH	2641	0.0012	9	1.00	MOSCO		
198	1446	0.0007	17	0.50	MITO	2965	0.0012	8	1.00	SAFAR		
199	2346	0.0007	10	1.00	LANDA	2966	0.0012	8	1.00	SAFAR		
200	2347	0.0007	10	1.00	NEUWI	2967	0.0012	8	1.00	SAFAR		
201	3042	0.0007	8	1.00	VANDE	3634	0.0012	5	1.00	PRET		

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
202	3261	0.0007	6	1.00	HANSS	3635	0.0012	5	1.00	PRET		
203	1491	0.0009	16	1.00	HERBE	4087	0.0012	1	1.00	MITO		
204	2819	0.0009	13	1.00	SALZB	249	0.0012	19	1.00	CLEVE		
205	2275	0.0009	12	1.00	MITO	2258	0.0013	23	1.00	UNKNO		
206	3382	0.0009	8	1.00	HOEDS	2259	0.0013	23	1.00	UNKNO		
207	3827	0.0009	4	1.00	UDTS	2986	0.0013	7	1.00	UNKNO		
208	3828	0.0009	4	1.00	UDTS	3095	0.0013	7	1.00	UNKNO		
209	3829	0.0009	4	1.00	UDTS	2070	0.0014	16	1.00	UNKNO		
210	2964	0.0012	8	1.00	SAFAR	3326	0.0014	5	1.00	EICHB		
211	3632	0.0012	5	1.00	PRET	2882	0.0015	7	1.00	SOEST		
212	3633	0.0012	5	1.00	PRET	2415	0.0016	9	1.00	TOMIO		
213	4142	0.0012	1	1.00	MITO	2401	0.0017	11	1.00	HOEDS		
214	4143	0.0012	1	1.00	MITO	2458	0.0017	9	0.00	TIJUA		
215	4144	0.0012	1	1.00	MITO	2796	0.0017	8	1.00	PRET		
216	933	0.0013	24	1.00	UNKNO	1659	0.0018	14	1.00	MOSCO		
217	2257	0.0013	23	1.00	UNKNO	3343	0.0018	6	0.50	KUNCH		
218	2794	0.0013	10	1.00	UDTS	3344	0.0018	6	0.50	HOEDS		
219	3092	0.0013	7	1.00	UNKNO	2962	0.0019	9	1.00	HOEDS		
220	3093	0.0013	7	1.00	BRAVA	2140	0.0020	12	1.00	YOSHI		
221	2069	0.0014	16	1.00	UNKNO	1800	0.0020	18	1.00	VARAD		
222	2688	0.0014	8	1.00	SOEST	1874	0.0020	16	1.00	NEUWI		
223	2689	0.0014	8	1.00	SOEST	2264	0.0020	14	1.00	TSAOB		
224	2690	0.0014	8	1.00	SOEST	1989	0.0020	13	1.00	MUNST		
225	2691	0.0014	8	1.00	SOEST	2619	0.0020	13	1.00	PRET		
226	3159	0.0014	6	1.00	KRAAI	1577	0.0022	15	0.00	HOEDS		
227	3325	0.0014	5	1.00	BUENO	2176	0.0022	10	1.00	TOBE		
228	2398	0.0015	13	1.00	HOEDS	2795	0.0022	9	1.00	PRET		
229	2851	0.0015	8	1.00	TOKYO	1694	0.0023	14	0.50	OCHS		
230	2852	0.0015	8	1.00	SHIRA	1591	0.0023	15	1.00	BUKHA		
231	2880	0.0015	7	1.00	SOEST	1652	0.0023	14	1.00	BORAS		
232	2881	0.0015	7	1.00	UDTS	1653	0.0023	14	1.00	TASHK		
233	3231	0.0015	6	1.00	UDTS	1654	0.0023	14	1.00	LODZ		
234	458	0.0017	16	1.00	HEMMI	3289	0.0023	6	1.00	TSAOB		
235	2524	0.0017	12	1.00	MOSCO	3330	0.0023	5	1.00	ROSTO		
236	2456	0.0017	9	0.00	TIJUA	3958	0.0023	2	0.50	HOEDS		
237	2457	0.0017	9	0.00	KUNCH	1305	0.0024	18	1.00	LETHE		
238	2717	0.0018	8	1.00	TORON	1306	0.0024	18	1.00	LETHE		
239	3341	0.0018	6	0.50	PRAHA	2067	0.0024	16	1.00	UNKNO		
240	3342	0.0018	6	0.50	HOEDS	2237	0.0024	10	1.00	HAMAM		
241	1604	0.0019	15	1.00	KREFE	3355	0.0024	6	1.00	HOEDS		
242	4092	0.0019	1	1.00	HOEDS	3356	0.0024	6	1.00	HOEDS		
243	4093	0.0019	1	1.00	GIAZZ	3357	0.0024	6	1.00	HOEDS		
244	4094	0.0019	1	1.00	HOEDS	3358	0.0024	6	1.00	HOEDS		
245	4095	0.0019	1	1.00	HOEDS	3793	0.0024	3	1.00	BRAVA		
246	1947	0.0020	11	1.00	ROCKT	3794	0.0024	3	1.00	HOEDS		
247	1675	0.0020	14	1.00	KREFE	3795	0.0024	3	1.00	BRAVA		
248	1992	0.0020	13	1.00	MUNST	3748	0.0025	3	1.00	HIMEJ		
249	2396	0.0020	13	1.00	HOEDS	3942	0.0026	2	0.50	HOEDS		
250	2268	0.0020	11	1.00	TSAOB	3943	0.0026	2	0.50	HOEDS		
251	2173	0.0022	10	1.00	HAMAM	2664	0.0027	9	1.00	RANGO		
252	1690	0.0023	14	0.50	OCHS	3640	0.0027	4	1.00	DUBAI		
253	1308	0.0023	18	1.00	PYONG	2442	0.0027	9	0.00	TIJUA		
254	1681	0.0023	14	1.00	TIJUA	2443	0.0027	9	0.00	TIJUA		
255	3066	0.0023	7	1.00	MUNST	3418	0.0031	5	1.00	HOEDS		
256	3069	0.0023	7	1.00	TSAOB	3155	0.0031	6	0.75	EDINB		
257	3070	0.0023	7	1.00	PRET	3156	0.0031	6	0.75	FOTA		
258	3287	0.0023	6	1.00	MOSCO	2872	0.0031	8	1.00	SHIRA		
259	3329	0.0023	5	1.00	ROSTO	1658	0.0031	14	1.00	MOSCO		
260	3562	0.0023	4	1.00	MUNST	2400	0.0031	11	1.00	HOEDS		
261	3563	0.0023	4	1.00	BELFA	1771	0.0032	12	1.00	DVURK		
262	3571	0.0023	4	1.00	TSAOB	1927	0.0032	11	1.00	KREFE		
263	3953	0.0023	1	1.00	KUALA	1928	0.0032	11	1.00	KREFE		
264	3954	0.0023	1	1.00	HOEDS	2430	0.0032	9	1.00	ARNHE		
265	3955	0.0023	1	1.00	HOEDS	2511	0.0032	9	1.00	DORTM		
266	3956	0.0023	1	1.00	HOEDS	2512	0.0032	9	1.00	DVURK		
267	3957	0.0023	2	0.50	HOEDS	3174	0.0032	6	1.00	MAIA		
268	2870	0.0024	8	1.00	TOKYO	3718	0.0032	4	0.50	HOEDS		

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
269	1304	0.0024	18	1.00	LETHE	3332	0.0034	10	1.00	HOEDS		
270	1333	0.0024	18	1.00	TULA	4121	0.0035	1	1.00	PRET		
271	1355	0.0024	18	1.00	VARAD	4122	0.0035	1	1.00	PRET		
272	1356	0.0024	18	1.00	STEWA	4123	0.0035	1	1.00	PRET		
273	1357	0.0024	18	1.00	STEWA	2465	0.0035	9	1.00	ROCKT		
274	2066	0.0024	16	1.00	UNKNO	1833	0.0036	12	1.00	COLUM		
275	1655	0.0024	14	1.00	TASHK	2294	0.0036	12	1.00	POLAR		
276	2543	0.0024	9	1.00	HOEDS	2649	0.0036	9	1.00	FOTA		
277	2552	0.0024	9	1.00	HOEDS	3054	0.0036	7	1.00	FOTA		
278	3232	0.0024	6	1.00	VIDEB	3055	0.0036	7	1.00	FOTA		
279	3792	0.0024	3	1.00	LISBO	3056	0.0036	7	1.00	FOTA		
280	2969	0.0024	7	1.00	SHIRA	2553	0.0036	9	1.00	HOEDS		
281	3223	0.0024	6	1.00	JAKAR	3052	0.0039	7	0.75	GUANG		
282	3745	0.0025	3	1.00	HIMEJ	2857	0.0039	8	1.00	ARNHE		
283	1857	0.0027	14	1.00	TOBE	3437	0.0039	5	1.00	ROCKT		
284	2662	0.0027	9	1.00	RANGO	3438	0.0039	5	1.00	TORON		
285	3489	0.0027	5	1.00	LODZ	3789	0.0039	3	1.00	ROCKT		
286	3490	0.0027	5	1.00	RAMAT	3790	0.0039	3	1.00	ROCKT		
287	3491	0.0027	5	1.00	LODZ	3791	0.0039	3	1.00	TORON		
288	3638	0.0027	4	1.00	FONTA	1605	0.0040	15	1.00	KREFE		
289	3639	0.0027	4	1.00	DUBAI	3770	0.0040	3	1.00	HOEDS		
290	2441	0.0027	9	0.00	HOEDS	4149	0.0041	1	1.00	OUDTS		
291	2580	0.0027	8	1.00	TOMIO	3512	0.0041	5	0.50	ORANA		
292	2715	0.0028	8	1.00	TORON	4119	0.0042	1	0.75	HOEDS		
293	3288	0.0029	6	1.00	PRET	3450	0.0042	5	0.75	TORON		
294	2928	0.0030	8	1.00	TOBU	3595	0.0043	4	0.75	LANGL		
295	3154	0.0031	6	0.75	PEAUG	3596	0.0043	4	0.75	LANGL		
296	2247	0.0032	9	1.00	EBERS	3597	0.0043	4	0.75	LANGL		
297	2248	0.0032	9	1.00	ROSTO	3113	0.0043	7	1.00	DE PE		
298	2429	0.0032	9	1.00	ARNHE	3114	0.0043	7	1.00	VIDEB		
299	3175	0.0032	6	1.00	MAIA	3115	0.0043	7	1.00	BANGK		
300	3715	0.0032	4	0.50	ADELA	3810	0.0043	3	1.00	HOEDS		
301	3717	0.0032	4	0.50	BOGOR	3811	0.0043	3	1.00	HOEDS		
302	1880	0.0032	11	0.50	FOTA	3605	0.0044	4	1.00	GHAZ		
303	2854	0.0033	8	1.00	PLANC	3606	0.0044	4	1.00	OUDTS		
304	2855	0.0033	8	1.00	JADER	2728	0.0044	8	1.00	FOTA		
305	1985	0.0033	13	1.00	FOTA	2242	0.0045	10	1.00	TORON		
306	2663	0.0034	9	1.00	OUDTS	2677	0.0045	8	0.50	TIJUA		
307	494	0.0034	22	1.00	VARAD	2678	0.0045	8	0.50	TIJUA		
308	1878	0.0035	11	0.50	FOTA	3064	0.0046	7	0.50	TORON		
309	4120	0.0035	1	1.00	PRET	4097	0.0046	1	0.75	HOEDS		
310	2647	0.0036	9	1.00	FOTA	3804	0.0047	3	1.00	STELL		
311	2853	0.0038	8	1.00	JADER	3554	0.0047	5	1.00	EICHB		
312	2858	0.0038	8	1.00	GUANG	3706	0.0047	4	1.00	HOEDS		
313	3049	0.0039	7	0.75	FOTA	3707	0.0047	4	1.00	HOEDS		
314	3435	0.0039	5	1.00	ROCKT	3065	0.0048	7	0.50	DVURK		
315	3436	0.0039	5	1.00	TORON	3782	0.0048	3	1.00	PRET		
316	3721	0.0039	4	1.00	TORON	2667	0.0049	9	1.00	QUALI		
317	2191	0.0039	10	1.00	FOTA	4154	0.0049	1	1.00	OUDTS		
318	3767	0.0040	3	1.00	HOEDS	3912	0.0053	3	0.50	ORANA		
319	3768	0.0040	3	1.00	TSWAL	3913	0.0053	3	0.50	ORANA		
320	3769	0.0040	3	1.00	TSWAL	3550	0.0053	5	1.00	EICHB		
321	3806	0.0040	3	0.50	HOEDS	1112	0.0054	21	1.00	SEAVI		
322	3807	0.0040	3	0.50	HOEDS	3713	0.0054	4	0.75	GHAZ		
323	3808	0.0040	3	0.50	HOEDS	3714	0.0054	4	0.75	GHAZ		
324	3809	0.0040	3	0.50	HOEDS	3947	0.0054	2	0.75	KUALA		
325	2192	0.0041	10	1.00	COLCH	406	0.0054	16	0.88	ARMES		
326	4091	0.0041	1	1.00	OUDTS	1354	0.0055	18	1.00	VARAD		
327	4148	0.0041	1	1.00	OUDTS	3688	0.0055	5	1.00	BORAS		
328	1685	0.0042	14	1.00	GLASG	1829	0.0056	12	1.00	OUDTS		
329	3821	0.0042	3	1.00	UNKNO	2707	0.0056	8	0.50	TORON		
330	3822	0.0042	3	1.00	OUDTS	3003	0.0057	7	1.00	NZP-W		
331	4117	0.0042	1	0.75	HOEDS	3004	0.0057	7	1.00	CALDW		
332	4118	0.0042	1	0.75	HOEDS	2668	0.0057	9	1.00	ROCKT		
333	3594	0.0043	4	0.75	HOEDS	2670	0.0057	9	1.00	OUDTS		
334	3812	0.0043	3	1.00	HOEDS	2887	0.0057	7	1.00	BUENO		
335	3813	0.0043	3	1.00	HOEDS	2889	0.0057	7	1.00	DE PE		

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
336	3814	0.0043	3	1.00	HOEDS	2888	0.0059	7	1.00	OUPTS		
337	3815	0.0043	3	1.00	HOEDS	2424	0.0059	9	0.88	SACRA		
338	3602	0.0044	4	1.00	OUPTS	1756	0.0059	12	1.00	PARIS		
339	3603	0.0044	4	1.00	GHAZ	1009	0.0059	23	1.00	VARAD		
340	3604	0.0044	4	1.00	OUPTS	1010	0.0059	23	1.00	VARAD		
341	3062	0.0044	7	0.50	KUNCH	2425	0.0060	9	0.88	SD-WA		
342	3063	0.0044	7	0.50	KUNCH	4114	0.0061	1	0.88	PRET		
343	3087	0.0044	7	1.00	BANGK	4115	0.0061	1	0.88	PRET		
344	3088	0.0044	7	1.00	OUPTS	4116	0.0061	1	0.88	PRET		
345	2674	0.0045	8	0.50	TIJUA	2307	0.0061	10	1.00	KORAT		
346	4096	0.0046	1	0.75	HOEDS	2548	0.0061	9	0.88	OLMEN		
347	3802	0.0047	3	1.00	STELL	2214	0.0061	10	1.00	BANHA		
348	3803	0.0047	3	1.00	CINCI	4101	0.0062	1	0.88	CHINA		
349	3551	0.0047	5	1.00	DUBAI	2898	0.0062	7	0.88	MEMPH		
350	3553	0.0047	5	1.00	EICHB	2706	0.0062	8	0.50	HOEDS		
351	3705	0.0047	4	1.00	LANGL	3778	0.0063	3	1.00	TSWAL		
352	2676	0.0048	8	0.50	PRAHA	3797	0.0063	3	1.00	LISBO		
353	2665	0.0049	9	1.00	JERUS	2702	0.0063	8	1.00	WHIPS		
354	2866	0.0049	8	1.00	SOEST	405	0.0064	16	0.88	YULEE		
355	2867	0.0049	8	1.00	SOEST	2013	0.0065	22	1.00	VENDA		
356	3291	0.0049	6	1.00	SAO P	2014	0.0065	22	1.00	VENDA		
357	3292	0.0049	6	1.00	ALMAK	2186	0.0065	10	1.00	PEAUG		
358	826	0.0051	25	1.00	POLAR	2188	0.0065	10	1.00	WHIPS		
359	545	0.0051	13	0.50	JACKS	2190	0.0065	10	1.00	WHIPS		
360	3573	0.0052	4	1.00	STELL	3006	0.0065	7	0.44	TIJUA		
361	3625	0.0052	4	1.00	DUBAI	3311	0.0065	6	1.00	ALMAK		
362	2510	0.0052	9	1.00	WASS	3662	0.0065	4	1.00	OUPTS		
363	3914	0.0053	3	0.50	ORANA	3663	0.0065	4	1.00	NORDI		
364	3549	0.0053	5	1.00	EICHB	2666	0.0066	9	1.00	OUPTS		
365	3708	0.0054	4	0.75	ADELA	3533	0.0066	4	0.81	SHIRA		
366	3709	0.0054	4	0.75	ADELA	4147	0.0066	0	0.91	HOEDS		
367	3710	0.0054	4	0.75	ADELA	3732	0.0067	3	0.91	LISBO		
368	3711	0.0054	4	0.75	BOGOR	2806	0.0067	8	1.00	WHIPS		
369	3712	0.0054	4	0.75	BOGOR	1737	0.0067	13	1.00	GLASG		
370	3946	0.0054	2	0.75	HOEDS	3728	0.0068	3	0.47	BOGOR		
371	2399	0.0056	11	1.00	HOEDS	3729	0.0068	3	0.47	ADELA		
372	2635	0.0056	9	1.00	PRET	3730	0.0068	3	0.47	HUNT		
373	2897	0.0057	8	0.88	PHOEN	2301	0.0068	11	1.00	POLAR		
374	2370	0.0057	10	1.00	TIJUA	2452	0.0069	9	1.00	ESKIL		
375	2371	0.0057	10	1.00	SRI L	2453	0.0069	9	1.00	NORDI		
376	1113	0.0057	21	1.00	WILKI	2454	0.0069	9	1.00	FONTA		
377	1114	0.0057	21	1.00	WILKI	1412	0.0069	17	1.00	DOHO		
378	1115	0.0057	21	1.00	BEUKE	3083	0.0069	7	0.81	SRI L		
379	1116	0.0057	21	1.00	SWART	3084	0.0069	7	0.81	KUNCH		
380	1117	0.0057	21	1.00	SWART	4152	0.0070	1	1.00	OUPTS		
381	2886	0.0057	7	1.00	QUALI	4153	0.0070	1	1.00	OUPTS		
382	1721	0.0058	13	0.50	DUBBO	2241	0.0071	10	0.88	CAPE		
383	1776	0.0058	12	0.50	MELBO	1500	0.0071	16	1.00	HANNO		
384	1777	0.0058	12	0.50	MELBO	1669	0.0071	14	1.00	FOTA		
385	986	0.0059	23	1.00	HENNO	3338	0.0072	6	0.50	KUNCH		
386	2422	0.0059	9	0.88	SD-WA	3339	0.0072	6	0.50	KUNCH		
387	575	0.0059	12	1.00	ST LO	2703	0.0073	8	1.00	MARWE		
388	2199	0.0060	10	1.00	ESKIL	1121	0.0073	21	1.00	ROCKT		
389	1137	0.0061	21	1.00	J. HO	492	0.0073	24	0.50	VARAD		
390	2306	0.0061	10	1.00	STELL	3559	0.0073	4	1.00	ADELA		
391	2704	0.0061	8	0.50	HOEDS	3560	0.0073	4	1.00	BOGOR		
392	4100	0.0062	1	0.88	CHINA	3561	0.0073	4	1.00	GHAZ		
393	576	0.0062	12	1.00	ST LO	3851	0.0075	2	0.75	PRAHA		
394	1683	0.0062	14	1.00	FONTA	3852	0.0075	2	0.75	PRAHA		
395	1724	0.0062	13	1.00	LONGL	3613	0.0077	4	0.75	BEUKL		
396	1726	0.0062	13	1.00	DELHI	3618	0.0077	4	0.62	PEAUG		
397	3776	0.0063	3	1.00	HOEDS	3527	0.0078	5	1.00	FOSSI		
398	3777	0.0063	3	1.00	THORN	919	0.0078	24	1.00	HENNO		
399	3796	0.0063	3	1.00	BRAVA	3372	0.0078	6	1.00	KORAT		
400	3938	0.0064	2	0.88	SHIRA	3428	0.0078	5	0.75	PRET		
401	3939	0.0064	2	0.88	SHIRA	3415	0.0079	5	0.69	WINST		
402	3308	0.0065	6	1.00	EICHB	3530	0.0079	5	0.75	RIO G		

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
403	3309	0.0065	6	1.00	EICHB	432	0.0079	16	1.00	CALDW		
404	3661	0.0065	4	1.00	OUPTS	2291	0.0080	12	1.00	POLAR		
405	3532	0.0066	4	0.81	SHIRA	3960	0.0080	1	1.00	HOEDS		
406	3739	0.0066	3	1.00	HOEDS	3961	0.0080	1	1.00	HOEDS		
407	3731	0.0067	3	0.91	HOEDS	2765	0.0081	8	0.75	PRETO		
408	2705	0.0067	8	0.50	HOEDS	3243	0.0081	6	0.75	AMMAN		
409	2807	0.0067	8	1.00	KESSI	3244	0.0081	6	0.75	AMMAN		
410	2701	0.0068	8	1.00	BELFA	3352	0.0082	6	0.81	KUNCH		
411	3005	0.0068	7	0.44	HOEDS	3401	0.0082	5	0.81	PRAHA		
412	2451	0.0069	9	1.00	NORDI	3672	0.0083	4	1.00	SALZB		
413	1410	0.0069	17	1.00	DOHO	3673	0.0083	4	1.00	PEAUG		
414	1411	0.0069	17	1.00	PONTS	3353	0.0083	6	0.81	HOEDS		
415	3082	0.0069	7	0.81	KUNCH	3351	0.0084	6	0.81	HOEDS		
416	2305	0.0070	10	1.00	OUPTS	925	0.0085	24	0.50	VARAD		
417	4150	0.0070	1	1.00	OUPTS	2379	0.0085	10	1.00	TIJUA		
418	4151	0.0070	1	1.00	OUPTS	2380	0.0085	10	1.00	TIJUA		
419	1573	0.0070	15	1.00	WINDS	3468	0.0086	5	0.88	AYWAI		
420	1665	0.0070	14	1.00	COLCH	1419	0.0086	17	0.75	VARAD		
421	1666	0.0070	14	1.00	CHEST	3897	0.0086	2	0.50	AMERS		
422	3558	0.0073	4	1.00	GHAZ	3898	0.0086	2	0.50	WASS		
423	1422	0.0074	17	1.00	VARAD	3590	0.0086	4	1.00	ADELA		
424	821	0.0075	25	1.00	VENDA	3591	0.0086	4	1.00	GHAZ		
425	493	0.0076	23	1.00	VARAD	3080	0.0086	7	0.75	SINGA		
426	916	0.0078	24	1.00	HENNO	3610	0.0086	4	0.75	GUANG		
427	918	0.0078	24	1.00	VENDA	3611	0.0086	4	0.75	RIYAD		
428	3370	0.0078	6	1.00	KORAT	3584	0.0087	4	1.00	HODEN		
429	3371	0.0078	6	1.00	KORAT	3403	0.0087	5	0.75	PRET		
430	2904	0.0080	10	0.62	SCHOE	3404	0.0087	5	0.75	SHIRA		
431	3959	0.0080	1	1.00	HOEDS	3623	0.0087	4	0.75	RIYAD		
432	1583	0.0080	15	0.75	TIJUA	1463	0.0088	17	1.00	LA PA		
433	1755	0.0080	12	1.00	LA PA	3922	0.0089	2	0.75	NEUWI		
434	2763	0.0081	8	0.75	PRET	3923	0.0089	2	0.75	AMERS		
435	2061	0.0082	16	1.00	SEAVI	4007	0.0089	2	0.75	OLOMO		
436	3522	0.0083	5	0.88	CINCI	4008	0.0089	2	0.75	NEUWI		
437	3670	0.0083	4	1.00	PEAUG	3405	0.0089	5	0.75	PRET		
438	3671	0.0083	4	1.00	SALZB	3105	0.0089	7	1.00	HODEN		
439	590	0.0084	19	1.00	TOLED	3285	0.0089	6	1.00	LA PA		
440	2655	0.0084	9	0.75	NASHV	3286	0.0089	6	1.00	LA PA		
441	3519	0.0084	5	1.00	WERRI	2106	0.0090	13	1.00	ORIZA		
442	3520	0.0084	5	1.00	WERRI	2902	0.0090	15	0.88	HERN		
443	3521	0.0084	5	1.00	WERRI	2574	0.0092	9	0.81	TIJUA		
444	3245	0.0085	6	1.00	HOGLE	3306	0.0095	6	1.00	PHOEN		
445	3246	0.0085	6	1.00	HOGLE	3307	0.0095	6	1.00	CALDW		
446	3466	0.0086	5	0.88	NORDI	4060	0.0095	1	1.00	LA PA		
447	2378	0.0086	10	1.00	HOEDS	3756	0.0095	3	1.00	LA PA		
448	3895	0.0086	2	0.50	WASS	3757	0.0095	3	1.00	LA PA		
449	3896	0.0086	2	0.50	WASS	4065	0.0095	2	1.00	PONTS		
450	3076	0.0086	7	0.75	TOKYO	491	0.0096	24	0.50	VARAD		
451	3607	0.0086	4	0.75	BEUKL	572	0.0097	12	0.75	FOSSI		
452	3608	0.0086	4	0.75	PRET	2233	0.0097	10	0.75	FOSSI		
453	3609	0.0086	4	0.75	PRET	2234	0.0097	10	0.75	CINCI		
454	3582	0.0087	4	1.00	SELWO	2567	0.0097	9	0.75	BIRMI		
455	3583	0.0087	4	1.00	MADRI	1552	0.0097	15	1.00	HILVA		
456	3622	0.0087	4	0.75	PRET	2983	0.0098	7	0.75	YULEE		
457	3340	0.0088	6	0.94	YULEE	4163	0.0098	1	1.00	MARWE		
458	2982	0.0089	7	0.75	YULEE	4164	0.0098	1	1.00	MARWE		
459	3921	0.0089	2	0.75	ANEAU	4165	0.0098	1	1.00	MARWE		
460	4005	0.0089	2	0.75	NEUWI	3219	0.0098	6	1.00	PRAHA		
461	4006	0.0089	2	0.75	CINCI	3935	0.0098	2	0.78	SHIRA		
462	3283	0.0089	6	1.00	PARIS	3274	0.0099	6	0.81	SHIRA		
463	3284	0.0089	6	1.00	FONTA	2369	0.0100	10	1.00	LA FL		
464	591	0.0092	18	1.00	TOLED	4056	0.0100	1	0.91	SD-WA		
465	2570	0.0092	9	0.81	TIJUA	3557	0.0100	4	0.50	GHAZ		
466	2573	0.0092	9	0.81	KUNCH	3984	0.0101	2	1.00	PRET		
467	3302	0.0095	6	1.00	PHOEN	1941	0.0102	11	1.00	DISNE		
468	3303	0.0095	6	1.00	NZP-W	2800	0.0102	8	1.00	BALTI		
469	3304	0.0095	6	1.00	NZP-W	3420	0.0102	5	1.00	LANGL		

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
470	3305	0.0095	6	1.00	PHOEN	4106	0.0102	1	1.00	PRET		
471	2572	0.0095	9	0.81	DVURK	1907	0.0103	11	1.00	NASHV		
472	4058	0.0095	1	1.00	LA PA	2206	0.0103	10	1.00	CLEVE		
473	4059	0.0095	1	1.00	LA PA	2207	0.0103	10	1.00	JACKS		
474	3577	0.0095	4	1.00	HODEN	3963	0.0103	2	1.00	PERTH		
475	3753	0.0095	3	1.00	CHAMP	4089	0.0103	1	1.00	CHINA		
476	3754	0.0095	3	1.00	CHAMP	4103	0.0103	1	1.00	PRET		
477	3755	0.0095	3	1.00	LA PA	4104	0.0103	1	1.00	CHINA		
478	4047	0.0095	2	1.00	PONTS	1939	0.0104	11	1.00	DISNE		
479	4048	0.0095	2	1.00	WASS	504	0.0104	14	0.62	FOSSI		
480	4049	0.0095	2	1.00	HODEN	4136	0.0105	1	1.00	SHIRA		
481	4050	0.0095	2	1.00	LA PA	2661	0.0105	8	0.75	ALBAN		
482	2231	0.0097	10	0.75	FOSSI	2243	0.0105	10	0.75	ALBAN		
483	2232	0.0097	10	0.75	FOSSI	2850	0.0106	8	1.00	LA PA		
484	2566	0.0097	9	0.75	SANFO	1940	0.0107	11	1.00	CALDW		
485	1456	0.0097	17	1.00	HILVA	1700	0.0107	14	0.75	AYWAI		
486	4158	0.0098	1	1.00	MARWE	3624	0.0107	4	1.00	WASS		
487	4159	0.0098	1	1.00	MARWE	2124	0.0108	12	1.00	YULEE		
488	4160	0.0098	1	1.00	MARWE	2125	0.0108	12	1.00	DORTM		
489	4161	0.0098	1	1.00	MARWE	2801	0.0108	8	1.00	MONTG		
490	4162	0.0098	1	1.00	MARWE	3279	0.0108	6	0.81	GREUL		
491	3932	0.0098	2	0.78	HIMEJ	3462	0.0108	5	0.81	ALTEN		
492	3933	0.0098	2	0.78	SHIRA	3463	0.0108	5	0.81	WESTE		
493	3934	0.0098	2	0.78	SHIRA	3546	0.0109	4	0.94	MEMPH		
494	2367	0.0100	10	1.00	WHIPS	2152	0.0110	11	1.00	BATTL		
495	2368	0.0100	10	1.00	EDINB	3968	0.0110	2	1.00	PRET		
496	3555	0.0100	4	0.50	ADELA	3969	0.0110	2	1.00	PRET		
497	3556	0.0100	4	0.50	GHAZ	3970	0.0110	2	1.00	PRET		
498	583	0.0101	12	0.62	RIO G	4125	0.0110	1	1.00	PRET		
499	1958	0.0101	99	0.50	WELLI	4126	0.0110	1	1.00	PRET		
500	1959	0.0101	99	0.50	WELLI	3915	0.0111	2	0.78	WINST		
501	3985	0.0101	2	1.00	PRET	3916	0.0111	2	0.78	WINST		
502	2799	0.0102	8	1.00	PITTS	3020	0.0113	7	1.00	PITTS		
503	1908	0.0102	11	1.00	AMERS	3982	0.0114	2	1.00	PRET		
504	567	0.0102	12	0.75	DICKE	3983	0.0114	2	1.00	PRET		
505	3421	0.0102	5	1.00	PRET	3449	0.0115	5	0.75	WHYTE		
506	3422	0.0102	5	1.00	PRET	3423	0.0116	5	1.00	PRET		
507	2235	0.0102	10	0.62	AUDUB	2562	0.0117	9	0.75	FOTA		
508	4105	0.0102	1	1.00	CHINA	513	0.0118	14	0.75	FORTW		
509	3974	0.0102	2	1.00	PRET	3425	0.0118	5	1.00	COLCH		
510	3975	0.0102	2	1.00	PRET	1581	0.0120	15	1.00	TIJUA		
511	1904	0.0103	11	1.00	FT WA	1582	0.0120	15	1.00	PAIGN		
512	1905	0.0103	11	1.00	COLUM	3485	0.0120	5	1.00	VERBE		
513	2205	0.0103	10	1.00	LUTHE	3486	0.0120	5	1.00	FONTA		
514	3964	0.0103	2	1.00	PRET	3487	0.0120	5	1.00	KREFE		
515	4102	0.0103	1	1.00	CHINA	3181	0.0120	7	1.00	VERBE		
516	536	0.0104	13	1.00	MANHA	3182	0.0120	7	1.00	PEAUG		
517	4132	0.0105	1	1.00	SHIRA	3183	0.0120	7	1.00	KRIEG		
518	4133	0.0105	1	1.00	SHIRA	1222	0.0121	20	1.00	IRWIN		
519	4134	0.0105	1	1.00	SHIRA	2489	0.0121	9	1.00	POLAR		
520	2659	0.0105	8	0.75	NZP-W	2809	0.0121	8	0.88	OKLAH		
521	1576	0.0106	15	0.88	AYWAI	2810	0.0121	8	0.88	OKLAH		
522	3028	0.0107	7	0.81	DALLA	2811	0.0121	8	0.88	FOSSI		
523	3029	0.0107	7	0.81	DALLA	3696	0.0122	5	0.75	JADER		
524	3030	0.0107	7	0.81	DALLA	2699	0.0123	8	1.00	TIJUA		
525	2204	0.0107	10	1.00	LUTHE	3569	0.0123	4	1.00	SHARJ		
526	3668	0.0107	4	1.00	WARSA	4138	0.0123	1	1.00	WASS		
527	3669	0.0107	4	1.00	WARSA	3424	0.0123	5	1.00	HILVA		
528	2149	0.0108	11	1.00	ORIZA	2991	0.0124	7	0.69	AUDUB		
529	2150	0.0108	11	1.00	HAVAN	3426	0.0124	5	1.00	HILVA		
530	2151	0.0108	11	1.00	ORIZA	991	0.0125	23	1.00	VENDA		
531	582	0.0108	12	0.62	DUBBO	330	0.0125	17	0.50	OKLAH		
532	3275	0.0108	6	0.81	NORDI	3398	0.0126	5	1.00	CALDW		
533	3276	0.0108	6	0.81	OLMEN	3723	0.0126	3	0.75	BELFA		
534	3277	0.0108	6	0.81	OLMEN	3724	0.0126	3	0.75	MUNST		
535	3461	0.0108	5	0.81	HUIZE	3725	0.0126	3	0.75	PARIS		
536	3544	0.0109	4	0.94	TULSA	3045	0.0126	7	0.75	HILVA		

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
537	3545	0.0109	4	0.94	TULSA	2778	0.0127	8	0.75	PRETO		
538	3547	0.0109	4	0.94	TULSA	3675	0.0128	4	0.94	MONTG		
539	3102	0.0109	7	1.00	PEAUG	3761	0.0128	3	0.94	DISNE		
540	3971	0.0110	2	1.00	PRET	4113	0.0128	1	1.00	PRET		
541	3972	0.0110	2	1.00	PRET	3025	0.0130	7	0.62	ACTON		
542	3235	0.0113	6	1.00	AMMAN	3543	0.0132	5	1.00	PEAUG		
543	3018	0.0113	7	1.00	METRO	3666	0.0132	4	1.00	COLUM		
544	3019	0.0113	7	1.00	CLEVE	3667	0.0132	4	1.00	BATTL		
545	1938	0.0114	11	1.00	SPRIN	595	0.0133	13	1.00	CINCI		
546	3980	0.0114	2	1.00	PRET	3786	0.0134	3	0.75	METRO		
547	3981	0.0114	2	1.00	PRET	3787	0.0134	3	0.75	PRET		
548	3448	0.0115	5	0.75	WHYTE	2915	0.0134	8	0.94	SD-WA		
549	3073	0.0116	7	1.00	SINGA	2487	0.0135	9	1.00	GREUL		
550	3536	0.0116	5	1.00	LANGL	2162	0.0135	11	1.00	BATTL		
551	3537	0.0116	5	1.00	RIYAD	2163	0.0135	11	1.00	CALDW		
552	982	0.0116	23	1.00	HENNO	4073	0.0135	1	0.81	HILVA		
553	1248	0.0117	20	0.50	KRECH	1922	0.0136	11	0.50	STUTT		
554	2559	0.0117	9	0.75	FOTA	1923	0.0136	11	0.50	WUPPE		
555	2355	0.0118	10	1.00	MARWE	1924	0.0136	11	0.50	NEUWI		
556	3483	0.0120	5	1.00	KREFE	3766	0.0136	3	0.88	MULHO		
557	3179	0.0120	7	1.00	VERBE	3500	0.0136	5	0.88	ARNHE		
558	1220	0.0121	20	1.00	IRWIN	3501	0.0136	5	0.88	LA PA		
559	3566	0.0123	4	1.00	SHARJ	1921	0.0137	11	0.50	SALZB		
560	3567	0.0123	4	1.00	RAMAT	2229	0.0138	10	0.88	NY BR		
561	3779	0.0123	3	1.00	WASS	2878	0.0138	8	0.75	LUTHE		
562	4137	0.0123	1	1.00	WASS	2879	0.0138	8	0.75	KANSA		
563	3484	0.0124	5	1.00	VERBE	4078	0.0139	1	0.91	SHIRA		
564	2697	0.0126	8	1.00	HOEDS	4064	0.0140	1	0.94	HILVA		
565	3722	0.0126	3	0.75	LA PA	4068	0.0141	1	0.94	HILVA		
566	3758	0.0128	3	0.94	DISNE	4069	0.0141	1	0.94	HILVA		
567	3760	0.0128	3	0.94	BATON	4070	0.0141	1	0.94	HILVA		
568	4111	0.0128	1	1.00	PRET	2133	0.0141	12	1.00	PRET		
569	4112	0.0128	1	1.00	PRET	3919	0.0142	2	0.81	HILVA		
570	384	0.0128	16	0.50	ARMES	3920	0.0142	2	0.81	HILVA		
571	3024	0.0130	7	0.62	SANDI	3265	0.0143	6	1.00	PRET		
572	3318	0.0130	6	0.62	YULEE	2468	0.0144	9	0.50	FOSSI		
573	3539	0.0132	5	1.00	ARNHE	3300	0.0145	6	0.69	KNOXV		
574	3540	0.0132	5	1.00	ARNHE	3301	0.0145	6	0.69	KNOXV		
575	3541	0.0132	5	1.00	ARNHE	3153	0.0145	6	0.69	YULEE		
576	3542	0.0132	5	1.00	ARNHE	3316	0.0145	6	0.69	WINST		
577	3447	0.0134	5	1.00	PRET	2989	0.0146	7	1.00	PRET		
578	2914	0.0135	8	0.94	SD-WA	1889	0.0146	11	0.50	ST LO		
579	4071	0.0135	1	0.81	HILVA	2203	0.0146	10	0.50	NZP-W		
580	4072	0.0135	1	0.81	HILVA	2686	0.0146	8	0.50	WINST		
581	1918	0.0136	11	0.50	NEUWI	2472	0.0147	9	1.00	WUPPE		
582	1919	0.0136	11	0.50	WUPPE	3978	0.0148	2	0.88	YULEE		
583	3762	0.0136	3	0.88	CHAMP	3979	0.0148	2	0.88	YULEE		
584	3763	0.0136	3	0.88	CHAMP	3846	0.0148	3	0.88	LAKEB		
585	3497	0.0136	5	0.88	MULHO	3847	0.0148	3	0.88	LAKEB		
586	3498	0.0136	5	0.88	PEAUG	3627	0.0149	4	0.75	GUANG		
587	2477	0.0136	9	1.00	PRET	3240	0.0149	6	1.00	VIENN		
588	2352	0.0137	10	0.75	WINST	2196	0.0151	10	1.00	SALZB		
589	2227	0.0138	10	0.88	NY BR	1903	0.0152	11	0.50	RIO G		
590	2228	0.0138	10	0.88	NY BR	1762	0.0153	12	1.00	FARJE		
591	2444	0.0138	9	0.88	OKLAH	1902	0.0153	11	0.50	NASHV		
592	2445	0.0138	9	0.88	JACKS	2654	0.0153	8	1.00	KATOW		
593	2446	0.0138	9	0.88	JACKS	2842	0.0153	8	1.00	PLANC		
594	2448	0.0138	9	0.88	MONTG	4140	0.0154	1	0.91	LUTHE		
595	2802	0.0138	8	0.88	MILWA	4141	0.0154	1	0.91	BATON		
596	2803	0.0138	8	0.88	MILWA	2892	0.0154	8	0.12	BIRMI		
597	2804	0.0138	8	0.88	MILWA	1108	0.0154	21	1.00	SWART		
598	2876	0.0138	8	0.75	ROCKT	1109	0.0154	21	1.00	SWART		
599	2877	0.0138	8	0.75	KANSA	1783	0.0155	11	0.50	DELHI		
600	2475	0.0138	9	1.00	HOEDS	2044	0.0156	17	1.00	ORIZA		
601	4074	0.0139	1	0.91	SHIRA	2195	0.0157	10	1.00	AMERS		
602	4075	0.0139	1	0.91	SHIRA	3929	0.0159	2	1.00	ARNEA		
603	4076	0.0139	1	0.91	SHIRA	3930	0.0159	2	1.00	REYNO		

Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
604	4077	0.0139	1	0.91	SHIRA	2920	0.0159	7	0.75	NASHV		
605	3495	0.0139	5	0.88	HILVA	1775	0.0160	12	1.00	SALZB		
606	2359	0.0140	10	1.00	CALDW	2495	0.0160	9	1.00	MUNIC		
607	4061	0.0140	1	0.94	HILVA	2419	0.0161	9	0.75	RIO G		
608	4062	0.0140	1	0.94	HILVA	2421	0.0161	9	0.75	SACRA		
609	4063	0.0140	1	0.94	HILVA	3750	0.0163	3	1.00	PRET		
610	1252	0.0140	20	1.00	GELSN	3751	0.0163	3	1.00	RIYAD		
611	1707	0.0140	13	1.00	GUADA	3967	0.0163	2	1.00	AUBUR		
612	4066	0.0141	1	0.94	HILVA	3990	0.0163	2	1.00	PRET		
613	4067	0.0141	1	0.94	HILVA	4110	0.0163	1	1.00	PRET		
614	3917	0.0142	2	0.81	HILVA	1898	0.0163	11	0.75	SD-WA		
615	3918	0.0142	2	0.81	HILVA	1899	0.0163	11	0.75	DICKE		
616	528	0.0142	13	0.75	KNOXV	1102	0.0164	21	1.00	ZOOAN		
617	2447	0.0143	9	0.88	MONTG	4146	0.0165	1	1.00	VIENN		
618	2893	0.0143	8	0.69	SANFO	3926	0.0166	2	0.75	AMERS		
619	2894	0.0143	8	0.69	SANFO	3927	0.0166	2	0.75	NEUWI		
620	2895	0.0143	8	0.69	PHOEN	3324	0.0166	6	0.31	PALM		
621	1936	0.0144	11	0.50	DORTM	3135	0.0167	7	1.00	MUNIC		
622	2161	0.0145	11	1.00	HOEDS	3413	0.0168	5	1.00	PRET		
623	3299	0.0145	6	0.69	KNOXV	2057	0.0169	16	1.00	ORIZA		
624	3312	0.0145	6	0.69	METRO	522	0.0170	13	0.75	DICKE		
625	3313	0.0145	6	0.69	METRO	3015	0.0170	7	0.62	HONOL		
626	3314	0.0145	6	0.69	YULEE	3016	0.0170	7	0.62	HONOL		
627	2719	0.0146	8	1.00	PROVI	2772	0.0170	8	1.00	PRETO		
628	2721	0.0146	8	1.00	MEMPH	1748	0.0172	13	1.00	NZP-W		
629	3008	0.0146	7	1.00	HOUST	555	0.0173	12	0.75	AUDUB		
630	3009	0.0146	7	1.00	HOUST	556	0.0173	12	0.75	DUBBO		
631	3010	0.0146	7	1.00	HOUST	2773	0.0173	8	1.00	NURNB		
632	3011	0.0146	7	1.00	HOUST	2154	0.0175	11	1.00	HOEDS		
633	3012	0.0146	7	1.00	HOUST	4052	0.0177	1	1.00	NURNB		
634	3168	0.0148	6	0.50	ORANA	4051	0.0177	1	1.00	NURNB		
635	3169	0.0148	6	0.50	ORANA	2501	0.0178	9	1.00	HERBE		
636	3170	0.0148	6	0.50	ORANA	2502	0.0178	9	1.00	SERRA		
637	3976	0.0148	2	0.88	YULEE	3119	0.0178	7	1.00	MUNST		
638	3977	0.0148	2	0.88	YULEE	3120	0.0178	7	1.00	LANDA		
639	3844	0.0148	3	0.88	LAKEB	2486	0.0178	9	1.00	WUPPE		
640	3845	0.0148	3	0.88	LAKEB	1893	0.0179	11	0.50	FOTA		
641	2193	0.0149	10	1.00	BATTL	1895	0.0179	11	0.50	WINDS		
642	3626	0.0149	4	0.75	RIYAD	2736	0.0182	8	1.00	SD-WA		
643	2722	0.0150	8	1.00	MEMPH	3121	0.0183	7	1.00	WASS		
644	1900	0.0151	11	0.50	SD-WA	3902	0.0183	3	0.75	WARSA		
645	1901	0.0151	11	0.50	CHICA	3903	0.0183	3	0.75	NEUWI		
646	2695	0.0151	8	1.00	LA FL	2366	0.0184	10	1.00	FOTA		
647	3496	0.0152	5	0.88	HILVA	2141	0.0184	12	1.00	ST LO		
648	518	0.0153	13	0.75	COLUM	2143	0.0184	12	1.00	AUGSB		
649	605	0.0153	12	0.75	TOLUC	2144	0.0184	12	1.00	POLAR		
650	606	0.0153	12	0.75	NY BR	2160	0.0184	11	1.00	HEUBE		
651	1761	0.0153	12	1.00	CLEVE	1993	0.0188	13	1.00	WASS		
652	2653	0.0153	8	1.00	KATOW	2503	0.0189	9	1.00	WASS		
653	2843	0.0153	8	1.00	JERUS	1296	0.0191	19	1.00	GELSN		
654	4139	0.0154	1	0.91	LUTHE	3167	0.0192	6	0.81	KANSA		
655	2891	0.0154	8	0.12	SAN A	3678	0.0192	3	0.81	EVANS		
656	1107	0.0154	21	1.00	VENDA	3679	0.0192	3	0.81	DICKE		
657	1779	0.0155	11	0.50	DELHI	3586	0.0193	4	0.75	PRET		
658	1780	0.0155	11	0.50	JAKAR	3587	0.0193	4	0.75	PRET		
659	1781	0.0155	11	0.50	JAKAR	3588	0.0193	4	0.75	GUANG		
660	397	0.0156	16	0.50	OKLAH	3589	0.0193	4	0.75	MOSCO		
661	3928	0.0159	2	1.00	NEUWI	417	0.0193	16	0.25	PEKIN		
662	1782	0.0159	11	0.50	PAIGN	2363	0.0194	10	1.00	HOEDS		
663	2918	0.0159	7	0.75	YULEE	3460	0.0195	5	0.81	LUTHE		
664	1773	0.0160	12	1.00	FARJE	2775	0.0195	8	1.00	PRET		
665	2418	0.0161	9	0.75	SD-WA	2223	0.0197	99	0.88	PHILA		
666	3966	0.0163	2	1.00	AUBUR	2224	0.0197	10	0.88	LUTHE		
667	3986	0.0163	2	1.00	PRET	2437	0.0197	9	0.88	CAPE		
668	3987	0.0163	2	1.00	PRET	2439	0.0197	9	0.88	DUBBO		
669	3988	0.0163	2	1.00	METRO	2976	0.0198	7	0.88	CINCI		
670	3989	0.0163	2	1.00	PRET	2977	0.0198	7	0.88	YULEE		



Rank	Males	MK	Age	Known	Females	MK	Age	Known	Unknowns	MK	Age	Known
671	4108	0.0163	1	1.00	PRET	2978	0.0198	7	0.88	REDWO		
672	4109	0.0163	1	1.00	PRET	2980	0.0198	7	0.88	REDWO		
673	3410	0.0163	5	1.00	PRET	2440	0.0204	9	0.88	CAPE		
674	1896	0.0163	11	0.75	CHICA	2255	0.0214	9	1.00	EBERS		
675	1774	0.0163	12	1.00	FOSSI	2847	0.0214	8	1.00	BARCE		
676	4145	0.0165	1	1.00	VIENN	2848	0.0214	8	1.00	BARCE		
677	3924	0.0166	2	0.75	ANEAU	2256	0.0219	9	1.00	WASS		
678	3925	0.0166	2	0.75	REYNO	2480	0.0234	9	1.00	PRET		
679	3322	0.0166	6	0.31	PALM							
680	3323	0.0166	6	0.31	PALM							
681	3133	0.0167	7	1.00	MONTP							
682	2766	0.0170	8	1.00	MUNIC							
683	3013	0.0170	7	0.62	HONOL							
684	3014	0.0170	7	0.62	FERND							
685	1760	0.0172	12	1.00	STUTT							
686	506	0.0173	14	0.75	FOSSI							
687	1883	0.0173	11	0.75	BALTI							
688	1884	0.0173	11	0.75	SAN A							
689	3412	0.0174	5	1.00	SHIRA							
690	3146	0.0174	7	1.00	WUPPE							
691	3147	0.0174	7	1.00	VIENN							
692	2459	0.0177	9	0.50	ESKIL							
693	3145	0.0177	7	1.00	NURNB							
694	3148	0.0177	7	1.00	VIENN							
695	2127	0.0177	12	1.00	PRET							
696	2500	0.0178	9	1.00	BARCE							
697	3117	0.0178	7	1.00	SOFIA							
698	3118	0.0178	7	1.00	SOFIA							
699	2485	0.0178	9	1.00	PRETO							
700	505	0.0180	14	0.75	FOSSI							
701	2733	0.0182	8	1.00	SD-WA							
702	2734	0.0182	8	1.00	SD-WA							
703	2735	0.0182	8	1.00	SD-WA							
704	3900	0.0183	3	0.75	NEUWI							
705	3901	0.0183	3	0.75	HODEN							
706	3741	0.0183	3	1.00	WASS							
707	3742	0.0183	3	1.00	WASS							
708	2365	0.0184	10	1.00	HOEDS							
709	2108	0.0184	13	1.00	GLASG							
710	2109	0.0184	13	1.00	PRET							
711	2110	0.0184	13	1.00	KRIEG							
712	2159	0.0184	11	1.00	HEUBE							
713	1962	0.0189	10	0.25	BATTL							
714	1963	0.0189	10	0.25	BIRMI							
715	1661	0.0191	14	1.00	PEKIN							
716	3163	0.0192	6	0.81	ROCKT							
717	3164	0.0192	6	0.81	ROCKT							
718	3165	0.0192	6	0.81	ROCKT							
719	3459	0.0192	5	0.81	LUTHE							
720	3676	0.0192	3	0.81	SANDI							
721	1890	0.0192	11	0.50	COLCH							
722	357	0.0192	17	1.00	YULEE							
723	3585	0.0193	4	0.75	PRET							
724	3904	0.0195	3	1.00	DUBAI							
725	1619	0.0196	15	1.00	WASS							
726	1966	0.0197	10	1.00	SINGA							
727	2218	0.0197	10	0.88	SACRA							
728	2435	0.0197	9	0.88	LOUIS							
729	2436	0.0197	9	0.88	LOUIS							
730	2974	0.0198	7	0.88	YULEE							
731	2774	0.0200	8	1.00	PRET							
732	2481	0.0201	9	1.00	HUIZE							
733	2220	0.0209	10	0.88	ST LO							
734	2249	0.0214	9	1.00	HERBE							
735	2251	0.0214	9	1.00	SIGEA							
736	2252	0.0214	9	1.00	SERRA							
737	2846	0.0214	8	1.00	HODEN							

Rank	Males	MK	Age	Known	Females		MK	Age	Known	Unknowns	MK	Age	Known
738	3136	0.0214	7	1.00	AMERS								
739	3137	0.0214	7	1.00	SLOVE								
740	3138	0.0214	7	1.00	AMERS								
741	2250	0.0220	9	1.00	ARNHE								

GENETIC SUMMARY OF POPULATION

Descendant population Mean Kinship: 0.0096

Gene Diversity: 0.9904

Founder Genome Equivalents: 52.2391

**M 1**

**Breeding cheetahs (*Acinonyx jubatus*) at the Vienna Zoo**

By: Harald M. Schwammer

# **Breeding cheetahs (*Acinonyx jubatus*) at the Vienna Zoo**

Harald M. Schwammer

## **Historical perspective**

As in the past, the felids continue to serve kings and chiefs as dress items and as insignia of power. Moreover, owning living, rare animals was a sign of prestige (Fiedler, 1976).

The historically unique Schönbrunn Zoo has had a dynamic past, even when one examines and analyses an individual chapter such as that of big cats.

Big cats made their debut in Vienna shortly after the Schönbrunn Menagerie was founded in 1752, necessitating adaptations and alterations to the buildings in both 1799 and 1781 (Brachetka 1947).

Based on the large number of acquired rare specimens, the Schönbrunn Menagerie can rightly be called the best stocked and most interesting zoo in Europe of the late 1880s.

A program to breed large cats, especially the Siberian tiger, was developed in the early 20<sup>th</sup> century. In 1927 and 1928, outdoor cages were added onto both big cat houses (Glaser 1990).

World War I severely decimated the populations at the Schönbrunn Zoo. The number of these predators fell from 105 to 30. In autumn of 1929, no cats at all remained in Schönbrunn (Kunze 1993).

The Vienna Zoo then began a slow recovery, and in 1926 and 1927 various additions and renovations to the cat houses were carried out. World War II put a stop to any further progress.

## **Major renovation**

After the difficult post-war period, the need for major restructuring of the zoo was recognized in the 1980s, and in 1991 the federal government approved a first reconstruction phase involving the apes, big cats and elephants. On 1 January 1992, the Schönbrunn Zoo was restructured from a state-owned organization to a partially privatized entity known as the Tiergarten Schönbrunn-GmbH. The path for reconstruction was open.

The subsequent major renovation phase involved projects for big cats, elephants, apes, along with the traditional farmhouse, working area, and many smaller projects. Further construction phases in the following years led to a state-of-the-art zoo for both visitors and animals.

## **Status of the big cat facility in 1992**

The two original cat houses provided their inhabitants with a combined indoor surface area of 100 m<sup>2</sup> and an overall outdoor range of 400 m<sup>2</sup>. This cramped space was occupied by several cat species such as pumas, tigers, jaguars, leopards and clouded leopards. This amounted to only 83m<sup>2</sup> per species.

## **The new concept for large cat management**

- a. Fewer species in a larger area in well-structured facilities

- c. Focus on endangered species and geographic presentation according to continent
- d. Modernized visitor information with texts, illustrations and introduction of electronic media in a new cat movie theater.

Based on the new Schönbrunn Zoo concept, the new big cat facility provides a home for one representative species each from Asia, Africa and South America, specifically Siberian tigers (*Neofelis tigris altaica*), cheetahs (*Acinonyx jubatus*) and jaguars (*Panthera onca*). An area of 5000m<sup>2</sup> is available for these three animal families.

Beyond the size of the facility, its design and furnishings reflects the species-specific demands of the individual large cats. Where the cats once lived on cement floors, they now have grassland, bushes, hiding places, climbing trees and even watering holes to swim in.

### Construction project

#### **Goal:**

The goal was to design a facility to house three big cat families – tigers, jaguars and cheetahs – with an indoor enclosure, service rooms and the accompanying outdoor facilities. The Preservation of Historical Monuments Act required that the original buildings be preserved, but extensive remodelling was carried out to fully accommodate the requirements of these species.

#### **Construction site:**

Both of the old cat houses form part of the historical ring of buildings surrounding the “Emperor’s breakfast pavilion”, which forms the central element of the Baroque zoo facility. This underlying radial concept and the status as historical monuments meant a careful integration into the Baroque ensemble.

#### **The buildings:**

In accordance with the Baroque idea, the addition is arranged in axial symmetry between the two original buildings. The height and cubature of the additions were carefully selected to join the two historical structures while at the same time maintaining the expressiveness of the Baroque facade and the cage structures on the west side. To the rear of the existing east wall, the new building – with its facade of natural stone and its semicircular, glassed indoor enclosure – forms an independent, modern architectural form.

#### **Cheetah management:**

In developing the concept for the specific situation in Vienna, various zoos were visited and basic scientific information applied (Lee 1992, Lindburg 1982, Manton 1970, 1971, Marker 1989, Marker-Kraus et al. 1991, Oorschot 1998, ).

#### **Boundary:**

Cheetahs can jump over 2.4 m high fences. The solution at the Vienna Zoo was to erect fences with a height of 2 m and to secure this fence with an electric wire 50 cm above the top edge. There is no overhang. This fence type was successful and, interestingly, the cheetahs know from a distance precisely whether the electric wire is “hot” or not. If not, the more inquisitive individuals are soon on the other side of the fence.

Two avenues of big, old trees are situated inside the enclosure, and some are used by the

**Enclosure:**

The design of the outdoor enclosure is tailored to the animals and supplies refugia with gentle, banked slopes and strategically positioned rock formations. The animals are provided with extensive grassland along with sand surfaces, caves, vantage points, a watering site, and several climbing trees with resting places. Open terrain with abundant sunlight contrasts with shaded resting places. A special design feature was the idea of constructing the refuges such that the animals can rest or hide while at the same time maintaining an overview of the surroundings. This explains why these areas are so well accepted by the animals.

**Indoor area:**

The enclosure is designed to hold about 5 animals. Since the cheetahs spend most of their time outside, the indoor facility has been kept small and basically functions as a feeding box. The individual boxes can be variably separated with sliding walls, and variable entrances enable high flexibility. Floor heating helps to dry the tile floor. Subdued lighting was chosen for the indoor enclosure.

**Prey simulator:**

A prey simulator was installed to optimize the cheetah's environment. It is operated three times per week at posted times. It is designed to animate the cheetahs to sprint by pulling a piece of meat across the enclosure at up to 50km/h, much like a high-speed tow lift. Special control units allow the speed to be regulated; it is also programmed to enable rapid reversals in direction. This allows the animals to hone their hunting skills even after years of operation. The individual animals show different predispositions to running, which can be partly attributed to certain hierarchies within the group.

The main diet of the animals is freshly killed rabbits; this is supplemented by vitamins and minerals. The prey simulator is occasionally also equipped with pieces of fur, in which case it serves purely for exercise. This is something the animals clearly enjoy.

The flexibility with which the direction can be changed allows all types of prey behaviour to be simulated. This means that the cheetahs do not merely wait at the end of the tow line until the prey "flies by"; rather, each prey is hunted at a different site.

**Technical data on the cheetah simulator:**

Steel construction with four supports and four telescopic arms with deflection frame.

Cable length: 110 m

Cable diameter: 8 mm

Cable drive with 9.5 kW motor

Frequency control with braking resistance

Manufacturer: Neuhaus Trans Tech GmbH., D-83626 Valley-Oberlaidern

**Visitor management:**

The underlying visitor management concept is to symbolically reverse the traditional animal-human relationship and to direct the visitor into the former lion and tiger cages. This provides the most interesting perspective of the cheetah enclosure. The passageway through the house has a small central video theatre which shows informative short films about all three cat species.

**Animals:**

Schönbrunn Zoo has a long tradition in keeping cheetahs, although none were ever successfully bred.

In the course of reconstructing the big cat facility, a new stock of animals was combined to form a breeding group. The aim was to build up a new blood line based on two males from a litter at the zoo in Wuppertal and two females from a breeding station in South Africa.

The original concept was to hold the males and females (2,2) separately, allowing them to see each other from a distance of about 100 m. At first, however, the animals were also all held together in a more haphazard manner to familiarize them with the enclosure. Experience showed that the two males repeatedly attacked the females when these were held together and that the females were even wounded.

When the author assumed responsibility for the animals, the zoo agreed to send the young, dedicated animal keeper Andreas Eder to the Louwman family (Wassenaar Wildlife Breeding Centre) in Holland to exchange experience. Thanks to the splendid cooperation of the Louwman family, the first cheetah was born in captivity in Vienna. This helped us to better observe our animals and to recognize the female's cycle based on male behaviour.

According to the recommendations, the two animals were united – for a brief two hours – when the male began to show interest in the female by chirping. They were then separated and reunited the following morning (July 20), when the first actual mating took place immediately.

On 26 October, after 98 days, two cubs were born, the first interestingly at midnight and the second only 10 hours later. The female chose an entirely remote “reserve box” to give birth rather than the box in which she normally spent the night.

The cubs were immediately accepted by the mother and have presently survived the critical first 5 months. A wind-protected area was additionally padded with straw to protect against the winter storms, and after 4 weeks the young left the box with the mother. Shortly thereafter the cubs began to feed on the rabbits offered as food. After 5 months they have almost completely lost the grey-white hair along their backs and have taken on the entirely spotted cheetah colour pattern.

### **Deaths:**

Unfortunately, two cheetahs died over the last three years. As is the standard procedure, each case was taken to the University of Veterinary Medicine and a necropsy performed.

One four-year-old female from South Africa was transferred for breeding purposes to the Hellbrunner Zoo in Salzburg in October 1998, where she died 3 months later. The pathological investigation revealed cardiac and renal insufficiency.

The condition of the other male deteriorated rapidly over the course of a few days in the first week of January 2000. A group of veterinary specialists from the IZW Berlin narcotized the animal and conducted ultrasound studies, took stomach samples, blood samples, etc. Based on the results, the animal was euthanized on the following day. The pathological report diagnosed uremia and anemia as a result of nephrosclerosis, chronic nephritis and a morphology of chronic cardiac insufficiency.

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**M 2**

**Cheetah mother raised her litter and an adopted litter to independence**

By: J.W.W. Louwman

## **Cheetah mother raised her litter and an adopted litter to independence**

By J.W.W Louwman, Wassenaar Wildlife Breeding Centre, the Netherlands

Since 1980 Wassenaar Wildlife Breeding Centre has been breeding cheetahs regularly and considers this one of its specialities. Altogether this has resulted in the birth of 176 cheetahs (January 2000). 35 of these cubs were born in other facilities, but their mothers had been mated in Wassenaar.

In May 1998 three cheetahs in Wassenaar gave birth to a total of ten cubs within 2 weeks. Two of the females were first-time mothers. It is our rule to weigh all cubs regularly during the first weeks to check their health condition. This is easily done when the mother is let into her outside enclosure to eat and defaecate. All seemed well with the three litters until, after two weeks, the cubs of the first litter started to show no weight increase anymore.

Although their mother *Arusha* did not seem to be ill, she appeared to have a light fever. This probably caused a reduction of her milk production, resulting in a weight loss of the cubs. On the third day after the first signs of weight loss, it became clear that the cubs had to be removed as otherwise they would not survive. This meant that the cubs would have to be handraised, something we always try to avoid, if possible.

This time we thought that there was a good alternative. We decided to try to introduce the three young cubs to the only experienced mother, *Questa*, who also had three cubs of her own of nearly the same age (8 days difference). It was a unique opportunity to try this experiment.

While the two mothers were kept busy with a meal in their outside enclosure, the three hungry cubs were removed from their maternity den and paced in the den of *Questa*, the other mother (and litter). First their coats were rubbed with the new den's layer of sawdust and straw, which contained the den's scent. At first all six cubs seemed somewhat upset and made hissing sounds towards each other. It took about half an hour before they had all accepted one another and after a while all fell asleep!

One hour later the risky part of this introduction started. Mother *Questa* was allowed to go back into her maternity den to her offspring and foster young. To our amazement she did not seem bothered by the increased number of cubs. Her attention was obviously focused on the unfamiliar scent. She kept smelling all parts of the den for about two minutes. Then her interest gradually faded away. An advantage was probably that, in the meantime, all cubs had adapted the same combination of the scents of each litter, making all six more or less the same to the mother.

After the second day all cubs gradually started to increase their weight and a few days later had normal weight-curves. Clearly the mother had no trouble nursing all six. *Questa* turned out to be a very good foster mother and her adopted cubs fortunately had no difficulty accepting their new mother. *Questa* reared all young successfully to independence.

*With special thanks to my wife Hanneke and our keepers Daniel and Lorike van Helsdingen for their support and their innovating ideas.*

**M 3**

**The use of DNA microsatellite markers for determining paternity in a captive cheetah population**

By: Eric H. Harley, Ingrid Baumgarten and Peter S. Rogers

## **The use of DNA microsatellite markers for determining paternity in a captive cheetah population.**

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### **Abstract**

A litter of four cubs was born to a cheetah at the Hoedspruit Research and Breeding Centre. The identity of the father was uncertain, being either a cheetah with the king cheetah phenotype or another with the normal phenotype. In order to determine whether the cubs could carry the king cheetah gene, microsatellite analyses were carried out using DNA primers developed originally for the domestic cat. Three out of ten sets of primers were found to give polymorphic patterns, one displaying as many as five alleles in the nine individuals studied. The results of the paternity analysis enabled the king cheetah candidate to be excluded as the parent of three of the cubs, with the other candidate showing patterns consistent with paternity for all cubs. Unlike allozymes, which show almost no variability in cheetahs, microsatellites are variable enough to provide information of value for a range of genetic studies on this species.

## Introduction

The term "King cheetah" describes a variety of the cheetah, *Acinonyx jubatus*, characterized by an attractive striped pattern instead of the more usual spotted pelage. This phenotype is caused by homozygosity for a single recessive gene (Van Aarde & Van Dyk, 1986), and individuals with this phenotype are sought after for their relative rarity and for their interest value to the tourist industry. Heterozygotes, carrying a single copy of the modified gene have standard pelage coloration and patterning. It was therefore of interest, when a litter was born to a standard cheetah female at Hoedspruit Research and Breeding Center, to determine whether the cubs carried a king cheetah gene. There was doubt as to the paternity of the cubs. The candidates were Nkosi, a king cheetah male, or DW, who had normal pelage but was a known carrier of, or heterozygote for, the king cheetah gene.

A very powerful and relatively recently described method for determining paternity is by use of microsatellites. These consist of very short repeated DNA sequences, for example the dinucleotide CA, with  $(CA)_n$  meaning that the dinucleotide is tandemly repeated ' $n$ ' times in an allele at a locus. Microsatellites are found at a large number of loci distributed throughout the mammalian genome (Bruford & Wayne 1993). These loci are characterized by great variability due to the tendency of DNA polymerase, the enzyme which replicates DNA, to occasionally "trip up" on these repeats and either put an extra CA repeat in or take one out. The length of the whole repeat therefore changes to  $n+1$  or  $n-1$ . These changes generate neutral variation in populations over time, the amount of which is a measure of genetic diversity within that population. Genetic drift amongst the existing alleles, together with new mutations, also generates diversity between separate populations. It is only recently that the methods have been developed to firstly identify and isolate loci where these microsatellites occur, and secondly to measure the length variations in small samples (blood, or a small biopsy) from individuals in the population(s) of interest. The data obtained are highly reproducible, locus specific, and amenable to the rich array of statistical analytical quantitative measures available to the population geneticist. Qualitatively, the data are similar to those produced by allozymes, but whereas with allozymes two or three alleles would be the norm, with microsatellites it is frequent to find 10-20 alleles or more at a locus, all equally simple to observe and score in terms of absolute size.

Microsatellites can therefore also provide a powerful method for paternity and forensic analyses, since if results from several loci are compared, individual specific patterns may be found. These patterns can provide criteria which can be used to exclude parenthood in a specific individual, and it is this application which is relevant in the present case.

In a study of 55 cheetahs from southern Africa there was found to be a total absence of variation at each of 47 allozyme loci examined (O'Brien et al. 1983). From this and other evidence the cheetah is believed to have passed through one or more bottlenecks in their recent history (Menotti-Raymond & O'Brien 1993) leading to extensive

reduction in their genetic diversity, although this conclusion has been the subject of some criticism (May 1995, Caro & Laurenson 1994). On the other hand a survey of 10 microsatellite loci originally isolated from the domestic cat, *Felis catus*, showed that there was significant allelic diversity demonstrable in cheetahs (Menotti-Raymond & O'Brien, 1995).

It was hoped that the more powerful resolving power of microsatellites would be sufficient to provide criteria for exclusion of one or other of the two possible male parents in the present instance.

## Methods

Heparinised or EDTA blood was collected by venepuncture from the mother, Scarah, from the two possible fathers, Nkosi and DW, from two other unrelated cheetahs, Piet and FW, and from the four cubs in the litter. Coding for the cubs are:

Cub 1	00 00 1F E5 E6T
Cub 2	00 00 1C 49 8ET
Cub 3	00 00 20 D0 88T
Cub 4	00 01 D2 88 F7T

Genomic DNA was extracted using standard procedures (Sambrook, Fritsch & Maniatis, 1989) and diluted to 25ng/μl for PCR amplifications. All ten primer pairs isolated from domestic cat by Menotti-Raymond & O'Brien (1995) were tested on the cheetahs used in this study. One primer from each pair was end-labelled with <sup>32</sup>p-ATP using T<sub>4</sub> polynucleotide kinase. PCR was performed in 10μl with the following conditions: 20pmole of each primer, 100mM of each dNTP, 1.5mM MgCl<sub>2</sub> and 0.5U of a thermostable DNA polymerase. Amplifications were carried out as follows: 35 cycles of 45 seconds at 94°C, 45 seconds at the annealing temperature (55 - 65°C), and 45 seconds at 72°C with a final extension step of 10 minutes at 72°C. After amplification 4μl of formamide loading dye was added to the product and 4μl was loaded onto a 6% denaturing polyacrylamide gel and electrophoresed for 2 to 3 hours at 65 Watts. The gels were dried and exposed to autoradiographic film. Genotypes were scored and allele lengths were determined by comparison with a sequence size-ladder of the M13 polycloning site.

## Results

Of the ten primer pairs tested only three, Fca8, Fca35, and Fca45, provided informative patterns, all the rest were either monomorphic or gave patterns which provided no information which would resolve paternity. Figure 1 illustrates the original banding patterns obtained using these primers, together with a diagrammatic form of the patterns for easier visualization. At each locus an individual can be homozygous (two identical size alleles - one on each chromosome) with one band

visible, or heterozygous (two different size alleles), and each parent can pass on one allele to its progeny.

The following deductions can be made from the results in Figure 1:

1. Cub 2 lacks the locus Fca45 - 142 allele as well as the locus Fca35 - 128 allele which are the only ones which can be passed down from Nkosi. In addition, Cub 2 possesses the Fca8-152 allele which is present in DW but not in either Scarah or Nkosi. These findings therefore exclude Nkosi as the father of Cub 2.
2. Cub 3 has an allele (Fca35 - 134) not found in Nkosi or Scarah (but present in DW), thereby excluding Nkosi as the father of Cub 3.
3. Cub 4 possesses, like Cub 2, the Fca8-152 allele, which is only found in DW, thereby excluding Nkosi as the father of Cub 4.
4. Cub 1 has alleles which could come from a) Scarah and b) from either Nkosi or DW (so Nkosi is not excluded).
5. All patterns are consistent with DW being the parent of all the cubs.

### **Discussion:**

A number of DNA based genetic approaches have applications of value in wildlife management and conservation. Most of these exploit the remarkable specificity and phenomenal amplification power of the polymerase chain reaction (PCR), which enables trace quantities of often degraded DNA to be obtained in amounts appropriate for sequencing or other qualitative analyses. DNA sequencing can be used for identification of the species of origin of tissue or blood samples, which has useful forensic applications. As an example we were recently able to confirm the species of origin of blood and tissue traces on an axe allegedly used in the poaching of three white rhinos in the Umfolozi-Hluhluwe game reserve (O'Ryan & Harley 1998). Other applications of DNA sequencing include molecular systematics and hybrid detection. Molecular systematics complements morphological methods of phylogenetic analysis and enables units of conservation to be better defined, a process essential to many aspects of conservation biology and applicable in both local plant (Barker, Linder, & Harley) and animal (Rebholz & Harley, 1999) contexts. The detection of hybridization events which can compromise the integrity and fitness of endangered species have a salutary example in the finding by Rebholz & Harley, (1997) that the last surviving herd of *Gazella saudiya* was in fact compromised by extensive hybridization with a closely related gazelle species.

Microsatellite analysis also utilizes the PCR reaction, but no sequencing is required, the size of the amplified product sufficing to provide the information necessary to adequately characterize the alleles in an individual or population at that locus. Microsatellites provide information at a different temporal level as compared with

sequencing and are therefore utilized in population genetic analyses to provide information on recent population dynamics, as for example in a recent study on local buffalo populations (O'Ryan et al. 1998). The usage here in the cheetah paternity context is a more specific application of a methodology with extensive conservation applications (Bruford & Wayne 1993).

One problem in the application of microsatellites is the availability of primers capable of amplifying a variable locus in the species of interest. In the human context there are very large numbers of microsatellite loci characterized as a consequence of the logical interest in DNA analyses of our own species as well as the ongoing human genome sequencing project. However, for other mammalian species there may only be primers available for amplification of microsatellite loci if the species has economic interest or has been for some other reason the subject of genetic research. The isolation, screening, and optimization of primers in a new species is an expensive and time-consuming endeavor, requiring preparation of a genomic DNA library for that species and a laborious screening and characterizing process thereafter. Primers for a particular locus are required to have a high specificity, since it is necessary to avoid the confusion which would arise if amplification of DNA bands from other loci were to occur. However, this has the effect that the primer sequences of the same locus in a related species or genus may have mutated sufficiently since their last common ancestor for that locus no longer to amplify. Fortunately there can sometimes still be a significant degree of cross-species conservation of sequence identity at some loci, and if microsatellite loci have been characterized in one species there is a fair chance that some of them will work in related species or genera.

With respect to the present case, Menotti-Raymond & O'Brien (1995) had tested 10 microsatellite loci, developed from a domestic cat DNA library, in lion, puma and cheetah, and found that the primers amplified polymorphic loci in most cases in these other feline species. From their analysis of ten individuals, the cheetah showed 51% of the heterozygosity observed in the domestic cat. Microsatellites tend to show the most variability in the species from which they were originally isolated (Bruford & Wayne 1993; FitzSimmons, Moritz & Moore 1995), but this effect is not likely to be the predominant effect here, since the value of 51% is a rather mild decrease in genetic diversity relative to results obtained from analyses of protein coding loci and immunological data in cheetahs (O'Brien et al. 1993; Yuhki & O'Brien 1990). It can best be explained in terms of a population bottleneck in cheetahs some 10,000 years ago which greatly reduced genetic diversity at all loci, but was sufficiently long ago that the more rapidly evolving microsatellite loci have had time to recover much of their variability.

Menotti-Raymond & O'Brien (1995) reported 3 alleles for locus Fca35 in their sample of 10 cheetahs, and we also detected 3 in our sample of 5 presumably unrelated animals. Since they did not report the sizes of the individual alleles it is uncertain whether these represent the same alleles in the two samples. For the other loci we found 2 for locus Fca45 and 6 for Fca8, compared with 3 and 8 respectively in the other study. The spread of allele sizes at especially Fca8 is interesting in the context



of the postulated bottleneck 10,000 years ago (Menotti-Raymond & O'Brien, 1993). Most microsatellite mutations are believed to occur in single repeat steps, so it would require four sequential mutations in an individual lineage to create, for example the 166 allele from the modal 158 allele. With a mutation rate likely to be no more than  $10^{-3}$  per locus per generation, and assuming a generation time of between 5 and 10 years, then if the bottleneck was so extreme as to cause most microsatellite loci to become monomorphic, as the allozyme loci have, then most current alleles should still have sizes close to the value which survived the bottleneck. The diversity shown would be more consistent with an older bottleneck, or with two or more alleles of different sizes having survived the bottleneck.

For forensic purposes, the significant amount of microsatellite variability found in the cheetah is sufficient to provide information for paternity exclusion, and in the present case results from three microsatellite loci were able to resolve the identity of the male parent in the case of Cubs 2,3 and 4. Microsatellite data has been used to detect superfecundation, for example in dogs (Fredholm & Wintero 1996), and in the present case there is still a possibility that superfecundation has occurred, with Nkosi as the father of Cub 1, and DW as the father of the other three cubs. However, with all patterns consistent with DW being the male parent, for practical purposes the most likely conclusion is that DW fathered all four cubs.

### **Acknowledgements**

We thank the Foundation for Research Development and the Feline Research Trust Fund for financial assistance.

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### **Legends to figures**

Fig 1. On right, autoradiographs of microsatellite banding patterns at loci Fca45 (top panel), Fca35, (middle panel), and Fca8 (bottom panel). Lanes are, from left to right, N,Nkosi; 1-4, cubs 1 to 4; S, Scarah; D, DW; F, FW; P, Piet. The stutter bands characteristic of microsatellites are visible in most cases as a fainter band below the band corresponding to the full sized allele. On left, a diagrammatic representation of the autoradiograph, including the microsatellite allele sizes in base pairs.

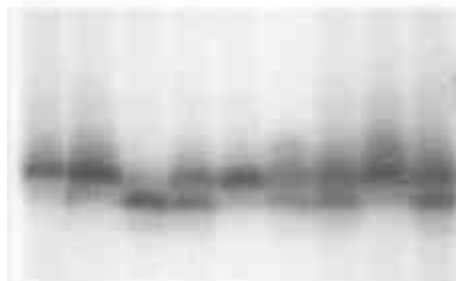
Fig 1

Allele size    **N**   **1**   **2**   **3**   **4**   **S**   **D**   **F**   **P**

Locus Fca45:

142

140



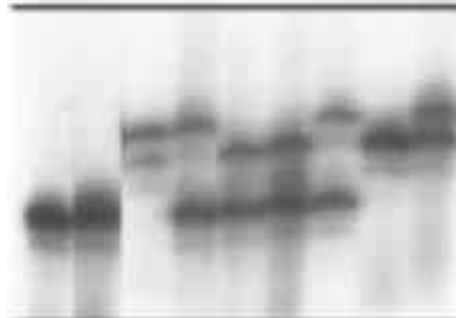
Locus Fca35 :

134

132

130

128



Locus Fca8:

166

164

162

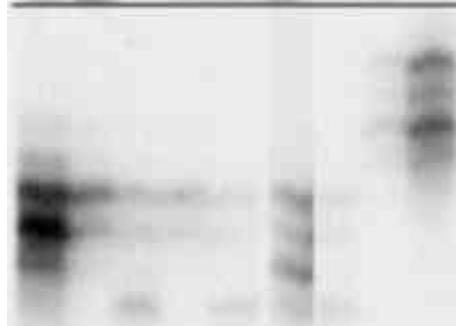
160

158

156

154

152



**M 4**

**The present condition of captive cheetah (*Acinonyx jubatus*) in Japan**

By: Terauki Hayasi

# **The present condition of captive Cheetah (*Acinonyx jubatus*) in Japan**

By :SSCJ Cheetah Coordinator  
Terauki Hayasi  
Adventure World

The present number of captive cheetah in a total of 9 zoos in Japan is 52 (32:21) this covers the period up until 31<sup>st</sup> December 1999. The trend of decreasing numbers of cheetahs has been shown since 1994, however the natural reproduction occurred in 1998 and 1999, producing 13 cheetahs each year.

## **1. Artificial reproduction**

( In collaboration with Kobe and Gifu University)

Methods of artificial reproduction must be established urgently in order to maintain hereditary diversity under the present conditions, i.e. that adequate individuals which contribute to breeding are limited. At present, the technique of collecting semen from male cheetahs by electro- ejaculation and enhancing female cheetahs to mate and to ovulate with hormone treatment has already been acquired, however there has not been reported any successful artificial reproduction with this technique yet. This is one of the important themes to be investigated.

- (1) Artificial fertilisation (putting seminal fluid into uterus cornu) was performed on the experimental animals at Himeji Central Park on November 1998, however this did not result in pregnancy.
- (2) Artificial fertilization treated with ovulation inducement was performed on the experimental animals at Gumma Safari Park in July 1998. This resulted in suspected pregnancy.
- (3) Seminal liquid was collected from a king cheetah by electro-ejaculation at Adventure World in September 1998
- (4) Artificial fertilization with ovulation inducement (putting seminal liquid into uterus cornu) was carried out on experimental animals at Himeji Central Park in October 1998. This did not result in pregnancy.
- (5) Artificial fertilisation was attempted at Gumma Safari Park in May 1999, however it was cancelled due to no ovulation.
- (6) Artificial fertilisation was carried out on a female cheetah at Adventure World in July 1999 using induced ovulation techniques. King cheetah semen was inserted into the uterus via vagina. Pregnancy was not successful.

For the above techniques, preservation of semen and ovum was frozen using equipment from Kobe University.

## **2. Natural reproduction**

Natural reproduction, producing 13 cheetahs, was recorded in 1998 and 1999. This shows the tendency of increasing the natural reproduction however the individuals ability to contribute to breeding is now limited.

At Adventure World 6 cheetahs were delivered including 1 stillbirth in February 1998. 3 cheetahs were delivered in June 1999 with 5 delivered in September 1999.

At Akiyoshidal Safari Land, 2 cheetahs were delivered in November 1998 and 3 cheetahs were delivered in October 1999.

## **3. Investigation of death caused by a disease**

(In collaboration with Azabu University)

Many cheetahs get kidney trouble which results in death. Most dead individuals show pathological functional disorders of the kidneys.

When a cheetah stomach is infected with bacillus (the bacillus of *Helicobacter* genus: *helicobacter*), gastritis is generated and produces inflammatory amyloid. This amyloid is easy to adhere to the kidney which seems to cause nephritis. The collaboration to investigate the *Helicobacter* was performed using mice (*Mus musculus*) and clawed jird (*Meriones unguiculatus*). Cheetah original *helicobacter* was cultivated and the method to remove bacteria from the stomach was investigated.

The preventative measures against and the medical treatment for kidney dysfunctional disorder must be established.

1. The cause of the disease was examined using dead individuals. It was confirmed that the stomach and kidney were morbid in all individuals. The bacteria of *helicobacter* were recognized to exist in the kidneys of most dead individuals.

2. Mice and clawed jird were used to investigate whether *Helicobacter* of cheetah alternated with generations. Some individuals could succeed this alternation in generation and these individuals were used for bacterial removal experiment. (Biopsy on the dead individuals and on the living individuals was performed and the obtained bacterium was used for this experiment.)

3. Identification of the bacterial type of *Helicobacter* genus was carried out using an electronic microscope.

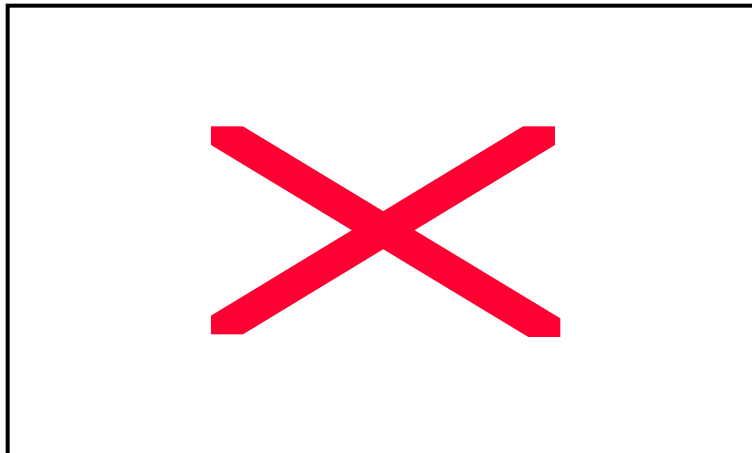
4. Detecting the bacteria of *Helicobacter* genus was undertaken using the PCR method.

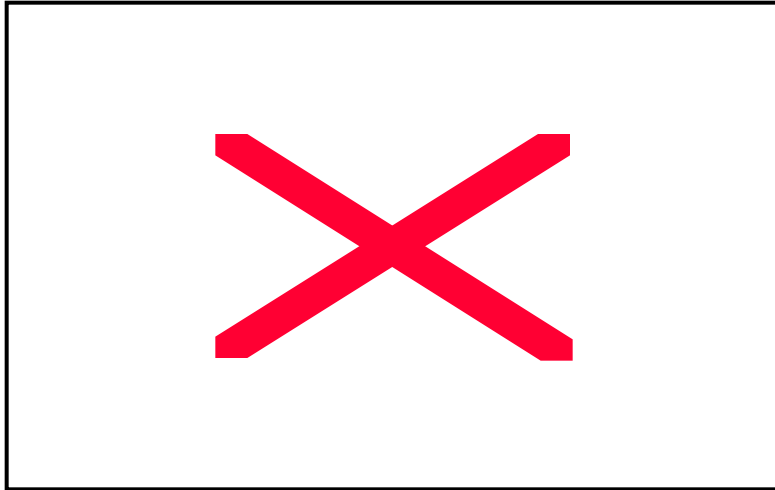
#### **4. Further action**

At present the exchange of breeding such as breeding loans is being put into practice at SSCJ. It would seem necessary to relate with the SSP more on this matter.

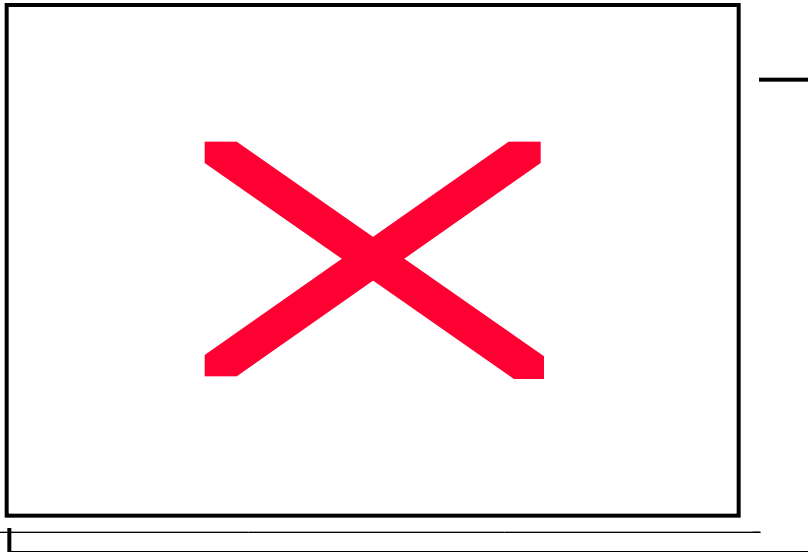
The exchange of breeding animals and breeding loans between Adventure World and San Diego Wild Animal Park in USA.

Figures





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## **Summary of the World Cheetah Report**

By: Jacob and Amy Malouf

## **Summary of the World Cheetah Report**

By: Jacob and Amy Malouf

Round River Conservation Studies and Cheetah Conservation Fund

### **Abstract**

The purpose of this project was two-fold. First, we gathered needed geographic, ethnic, political, health, economic, education, transportation, and communication information on countries that have a wild cheetah population. Second, we determined from these categories some factors with implications on cheetah population and conservation at large. This type of information can be used for a variety of purposes, including choosing the most pertinent and effective locations for potential cheetah conservation efforts. We were especially interested in correlates of health, education, and economics. We did univariate regression analysis and found that childhood health and sanitation levels correlate to a high level of female education, which in turn is an effective indicator of several country trends, including conservation.

## **Introduction**

Wild cheetah populations declined drastically in the last century. In 1900 an estimated 100,000 cheetahs lived in 44 countries throughout Africa and Asia (Marker 1999). Today only 12-15,000 wild cheetahs are thought to exist in perhaps 32 countries. If this trend continues the cheetah population will soon be reduced to zoos and eventually become extinct.

Wild cheetahs face several threats. These include habitat loss, farmers that shoot or poison cheetahs to reduce livestock loss, competition with larger carnivores, and low genetic variability. However, cheetahs are able to adapt to human encroachment under ideal circumstances. This paper attempts to determine some human induced factors that play a role in the effectiveness of cheetah conservation efforts.

## **Methods**

We gathered a wide array of statistical and literary information on 33 countries with wild (or extinct) cheetah populations. We also collected information on the United States, Norway, and Japan to be used as a control. We analyzed the data in order to determine which factors best correlate with high wild cheetah populations and favorable conservation attitudes and commitments.

We found the most current, reliable, and uniform country information on the CIA World Factbook web site. We also gathered necessary data from various locations in Windhoek, Namibia including the World Health Organization, the United Nations Children Fund, and the United Nations library. Cheetah information was compiled from papers available at the Cheetah Conservation Fund in the Otjiwarongo region of Namibia. Visits to various embassies and the national library in Windhoek were not useful for this project.

## **Results**

We did univariate regression and GIS analysis in order to find country indicators in health, education, and economics with correlation to conservation and cheetah population. Conservation attitudes and cheetah populations are affected by a wide array of detailed and complicated issues. Consequently, we sought for trends rather than actual "cause and effect" relationships. Also, various data was not available for some countries. Statistical calculations include standard error and coefficient, t-value, P-value, sum of squares, mean square, F-value, R-value, R squared, and RMS residual. For this summary report, no figures will be presented.

Our analysis suggests a chain of interrelated factors that correlate with cheetah populations and conservation agreements. First, percent population with access to "adequate" sanitation (not defined in data set, WHO 1999) corresponds negatively to the infant mortality rate. This suggests that as sanitation levels go down, infant

mortality tends to increase. Infant mortality is defined as the number of deaths of infants under one year old per 1000 live births. We then found that infant mortality rate relates positively to fertility rate, or average number of children delivered by a woman in her lifetime. In other words, as infant mortality rises the fertility also increases.

We also found that fertility rate negatively correlated with the number of years of education received by the age of twenty-five. This indicates that low fertility rates correspond to increased education received, both male and female.

An increase in the years of education received correlates to an increase in international environmental agreements. We decided that the number of environmental agreements could be used as an indicator of the conservation attitudes of the country. This is done because the data set supplies no other numerical figure that can be related to conservation attitudes. We assume that a higher number of agreements indicate a more pro-conservation attitude in the country. The validity of this assumption has not been tested. Education levels correlate with the number of environmental agreements suggesting that education positively impacts conservation attitudes.

Regression plots involving education were done separately using both male and female education in order to detect any indicating differences between the two genders. Female education is a stronger correlate for fertility rate, percent employed by agriculture and industry, population growth, and percent permanent pasture. However, male education is a stronger correlate for the number of environmental agreements. We cannot fully explain this phenomenon from the data, but perhaps this is a reflection of the highly male dominated political systems of these countries.

The number of years of education received by the age of 25 positively relates to the gross national product. However, GNP does not significantly correlate to the number of environmental agreements. This indicates that conservation attitude is more closely related to education, not economic wealth.

A number of indicators were plotted against the “presumed” cheetah population (Marker, 1998). “Presumed” means that educated guesses on the cheetah population of a country were made because census counts were not available. These guesses were based on available literature of unknown-cheetah population countries compared to literature of known-cheetah population countries. Indicators that were useful included the percent of the population employed by agriculture, percent of population employed by industry, population growth rate, permanent pasture, and percent of land considered “arable” (not defined in data set, CIA 1999). Interestingly, no strong correlation was found between the number of environmental agreements and presumed cheetah population or the years of education received and presumed cheetah population.

Education received does, however, seem to have an indirect effect on cheetah population. Our plots show that as education increases the percentage of the

population employed by agriculture decreases and percent employed by industry increases. This in turn indicates a higher cheetah population. Education also strongly correlates to population growth rate and percent arable land. While education seems to have no direct effect on cheetah population, it does have direct effects on several indicators that in turn directly correlates to cheetah population including population growth rate, and percent of arable land. We also found that fertility rate plotted against all these factors give similar results to that of education. This confirms the validity of using education, particularly female education, as a reliable indicator and also the strong correlation between health, fertility, and education.

Maps of Africa and the Middle-East were created to show demographics of the countries analyzed. Access to sanitation, mortality rate, fertility rate, female education, percent employed by agriculture, presumed cheetah population, and the number of environmental agreements is shown on these maps. The purpose of this was to visually analyze which countries have a combination of these categories favorable to conservation. This was used to determine which countries would be ideal, under non-wartime conditions, for a cheetah conservation group to operate. While the specific location of any conservation effort involves many considerations we have not mentioned, using only the above restrictions we determined Algeria, Botswana, South Africa, Kenya, and Iran to fit our criteria as possible locations for effective conservation efforts. These countries have relatively high access to sanitation, a low mortality rate, a low fertility rate, a high female education level, a small percentage of the population employed by agriculture, high number of environmental agreements, and high cheetah populations. The political and economic status and current conservation projects in these countries were not considered for this analysis.

## **Conclusion**

Education, health, and economic conditions are important indicators for many issues, including conservation. Conservation programs focusing in locations with favorable conditions in these areas could have more success. We believe Algeria, Botswana, South Africa, Kenya, and Iran (among others) fit this criteria and could be good candidates for future cheetah conservation programs.

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## **M 6**

### **The status of the wild cheetah in its range countries**

By: Laurie Marker, Jacob Malouf and Amy Malouf

## **The status of the wild cheetah in its range countries**

By: Laurie Marker, Jacob Malouf and Amy Malouf

Cheetah Conservation Fund and Round River Conservation Studies

### **Algeria**

#### **CHEETAH STATUS**

*Population.* Still to be found in a few areas of south-east Algeria, between 3 1/2 E to the Libyan border and between 27 1/2 N to 20 1/2 N, with possible concentrations in Tassili N'Ajjer Range, Tassili Attoggar, and Tassili Teffedest. Females with two cubs are seen regularly by tribesman complaining that cheetah attack their camels. Rainfall was good from 1987-1990 in these areas, and there were increasing populations of Dorcas gazelle and Barbary sheep for cheetah to prey upon<sup>19</sup>. It is thought that the majority of the remaining Algerian cheetahs are living in Tassili nr'Azger, because this plateau is far more rich in water and vegetation<sup>71</sup>. It is difficult to see the last Algerian cheetahs, native people know their presence only through their traces<sup>71</sup>. This country could be a very important area for saving the North African cheetah.

*Principal Threats.* Restricted habitat, effects of drought on prey, and conflict with nomadic herders.

#### **GEOGRAPHY**

**Climate:** arid to semiarid; mild, wet winters with hot, dry summers along coast; drier with cold winters and hot summers on high plateau; sirocco is a hot, dust/sand-laden wind especially common in summer

**Terrain:** mostly high plateau and desert; some mountains; narrow, discontinuous coastal plain

**Natural resources:** petroleum, natural gas, iron ore, phosphates, uranium, lead, zinc

**Natural hazards:** mountainous areas subject to severe earthquakes; mud slides

**Environment—current issues:** soil erosion from overgrazing and other poor farming practices; desertification; dumping of raw sewage, petroleum refining wastes, and other industrial effluents is leading to the pollution of rivers and coastal waters; Mediterranean Sea, in particular, becoming polluted from oil wastes, soil erosion, and fertilizer runoff; inadequate supplies of potable water

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Environmental Modification, Law of the Sea, Ozone Layer Protection, Ship Pollution, Wetlands

*signed, but not ratified:* Nuclear Test Ban

#### **PEOPLE**

**Ethnic groups:** Arab-Berber 99%, European less than 1%

**Religions:** Sunni Muslim (state religion) 99%, Christian and Jewish 1%

**Languages:** Arabic (official), French, Berber dialects

#### **GOVERNMENT**

**Data code:** AG

**Government type:** republic

**Independence:** 5 July 1962 (from France)

**Legal system:** socialist

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Ramtane LAMAMRA

*chancery:* 2118 Kalorama Road NW, Washington, DC 20008

*telephone:* [1] (202) 265-2800

*FAX:* [1] (202) 667-2174

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Cameron R. HUME

*embassy:* 4 Chemin Cheikh Bachir El-Ibrahimi, Algiers

*mailing address:* B. P. Box 549, Alger-Gare, 16000 Algiers

*telephone:* [213] (2) 69-11-86, 69-12-55, 69-18-54, 69-38-75

*FAX:* [213] (2) 69-39-79

## ECONOMY

**Economy—overview:** The hydrocarbons sector is the backbone of the economy, accounting for roughly 52% of budget revenues, 25% of GDP, and over 95% of export earnings. Algeria has the fifth-largest reserves of natural gas in the world and is the second largest gas ranks fourteenth for oil reserves. Algiers' efforts to reform one of the most centrally planned economies in the Arab world began after the 1986 collapse of world oil prices plunged the country into a severe recession. In 1989, the government launched a comprehensive, IMF-supported program to achieve economic stabilization and to introduce market mechanisms into the economy. Despite substantial progress toward economic adjustment, in 1992 the reform drive stalled as Algiers became embroiled in political turmoil. In September 1993, a new government was formed, and one priority was the resumption and acceleration of the structural adjustment process. Burdened with a heavy foreign debt, Algiers concluded a one-year standby arrangement with the IMF in April 1994 and the following year signed onto a three-year extended fund facility which ended 30 April 1998. Progress on economic reform, a Paris Club debt rescheduling in 1995, and oil and gas sector expansion have contributed to a recovery since 1995. Investments in developing hydrocarbon resources have spurred growth, but the economy remains heavily dependent on volatile oil and gas revenues. The government has continued efforts to diversify the economy by attracting foreign and domestic investment outside the energy sector in order to reduce high unemployment and improve living standards.

**Industries:** petroleum, natural gas, light industries, mining, electrical, petrochemical, food processing

**Industrial production growth rate:** -4% (1997 est.)

**Agriculture—products:** wheat, barley, oats, grapes, olives, citrus, fruits; sheep, cattle

**Exports:** \$14 billion (f.o.b., 1997 est.)

**Exports—commodities** petroleum and natural: gas 97%

**Exports—partners** Italy 18.8%, US 14.8%, France 11.8%, Spain 8%, Germany 7.9% (1995 est.)

**Imports:** \$8.5 billion (f.o.b., 1997 est.)

**Imports—commodities:** capital goods, food and beverages, consumer goods

**Imports—partners:** France 29%, Spain 10.5%, Italy 8.2%, US 8%, Germany 5.6% (1995 est.)

**Currency:** 1 Algerian dinar (DA) = 100 centimes

**Exchange rates:** Algerian dinars (DA) per US\$1—61.264 (January 1999), 58.739 (1998), 57.707 (1997), 54.749 (1996), 47.663 (1995), 35.059 (1994)

## COMMUNICATION

**Telephone system:**

*domestic:* good service in north but sparse in south; domestic satellite system with 12 earth stations (20 additional domestic earth stations are planned)

*international:* 5 submarine cables; microwave radio relay to Italy, France, Spain, Morocco, and Tunisia; coaxial cable to Morocco and Tunisia; participant in Medarabtel; satellite earth stations—2 Intelsat (1 Atlantic Ocean and 1 Indian Ocean), 1 Intersputnik, and 1 Arabsat

**Radio broadcast stations:** AM 23, FM 1, shortwave 8 (1998 est.)

**Television broadcast stations:** 18 (not including low-power stations) (1997)



# Angola

## CHEETAH STATUS

*Population.* No recent information due to the long-standing civil war. Estimate of 500 with a range of 200- 1000 animals<sup>62</sup>. Range was confined to the drier, arid areas in the central and southern parts of the country. In 1975 cheetah were reported in the following parks and protected areas: Iona National Park (14,500 Km<sup>2</sup>), Bicular National Park (7,900 Km<sup>2</sup>), Cameia National Park (14,450km<sup>2</sup>), Luando National Park (8,280 km<sup>2</sup>), Quicama National Park<sup>93</sup>. The cheetah was declared protected game in 1957, but legislation is difficult to enforce, and the military community is exempt from these provisions of the law<sup>62</sup>.

*Principal Threats.* Large scale poaching which has helped support the long, civil war, cultivation and over grazing of cattle in the arid areas will contribute to the elimination of cheetah habitat.

## GEOGRAPHY

**Climate:** semiarid in south and along coast to Luanda; north has cool, dry season (May to October) and hot, rainy season (November to April)

**Terrain:** narrow coastal plain rises abruptly to vast interior plateau

**Natural resources:** petroleum, diamonds, iron ore, phosphates, copper, feldspar, gold, bauxite, uranium

**Natural hazards:** locally heavy rainfall causes periodic flooding on the plateau

**Environment—current issues:** the overuse of pastures and subsequent soil erosion attributable to population pressures; desertification; deforestation of tropical rain forest, in response to both international demand for tropical timber and to domestic use as fuel, resulting in loss of biodiversity; soil erosion contributing to water pollution and silting of rivers and dams; inadequate supplies of potable water

**Environment—international agreements:**

*party to:* Biodiversity, Desertification, Law of the Sea

*signed, but not ratified:* Climate Change

## PEOPLE

**Ethnic groups:** Ovimbundu 37%, Kimbundu 25%, Bakongo 13%, mestico (mixed European and native African) 2%, European 1%, other 22%

**Religions:** indigenous beliefs 47%, Roman Catholic 38%, Protestant 15% (1998 estimate).

**Language:** Portuguese (official), Bantu and other African languages

## GOVERNMENT

**Data code:** AG

**Government type:** transitional government, nominally a multiparty democracy with a strong presidential system

**Independence:** 11 November 1975 (from Portugal)

**Legal system:** based on Portuguese civil law system and customary law; recently modified to accommodate political pluralism and increased use of free markets

**Political pressure groups and leaders:** Front for the Liberation of the Enclave of Cabinda or FLEC  
*note:* FLEC is waging a small-scale, highly factionalized, armed struggle for the independence of Cabinda Province

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Antonio dos Santos FRANCA "N'dalu"

*chancery:* 1615 M Street, NW, Suite 900, Washington, DC 20036

*telephone:* [1] (202) 785-1156

*FAX:* [1] (202) 785-1258

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Joseph G. SULLIVAN

*embassy:* number 32 Rua Houari Boumediene, Miramar, Luanda

*mailing address:* international mail: Caixa Postal 6484, Luanda; pouch: American Embassy Luanda,

*telephone:* [244] (2) 345-481, 346-418  
*FAX:* [244] (2) 346-924

## **ECONOMY**

**Economy—overview:** Angola is an economy in disarray because of more than 20 years of nearly continuous warfare. Despite its abundant natural resources, output per capita is among the world's lowest. Subsistence agriculture provides the main livelihood for 85% of the population. Oil production and the supporting activities are vital to the economy, contributing about 45% to GDP.

Notwithstanding the signing of a peace accord in November 1994, sporadic violence continues, millions of land mines remain, and many farmers are reluctant to return to their fields. As a result, much of the country's food must still be imported. To take advantage of its rich resources—gold, diamonds, extensive forests, Atlantic fisheries, arable land, and large oil deposits—Angola will need to implement the peace agreement and reform government policies. The increase in the pace of civil warfare in late 1998 dims economic prospects for 1999 especially if the oil sector were to be damaged.

**Industries:** petroleum; diamonds, iron ore, phosphates, feldspar, bauxite, uranium, and gold; cement; basic metal products; fish processing; food processing; brewing; tobacco products; sugar; textiles

**Agriculture—products:** bananas, sugarcane, coffee, sisal, corn, cotton, manioc (tapioca), tobacco, vegetables, plantains; livestock; forest products; fish

**Exports:** \$3.4 billion (f.o.b., 1998 est.)

**Exports—commodities:** crude oil 90%, diamonds, refined petroleum products, gas, coffee, sisal, fish and fish products, timber, cotton (1998)

**Exports—partners:** US 65%, EU, China (1997)

**Imports:** \$2.2 billion (f.o.b., 1998 est.)

**Imports—commodities:** machinery and electrical equipment, vehicles and spare parts; medicines, food, textiles and clothing; substantial military goods

**Imports—partners:** Portugal 21%, US 15%, France 14%, South Africa (1997)

**Currency:** 1 kwanza (NKz) = 100 lwei

**Exchange rates:** kwanza (NKz) per US\$1—350,000 (February 1999), 392,824 (1998), 229,040 (1997), 128,029 (1996), 2,750 (1995), 59,515 (1994); note—readjusted Kwanzas per US\$1,000 through 1994, per US\$1 thereafter

## **COMMUNICATION**

**Telephone system:** telephone service limited mostly to government and business use; HF radiotelephone used extensively for military links

*domestic:* limited system of wire, microwave radio relay, and tropospheric scatter

*international:* satellite earth stations—2 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 16, FM 8, shortwave 8 (1998)

**Television broadcast stations:** 7 (1997)

# Benin

## CHEETAH STATUS

*Population.* Thought to be extinct outside of the tri-country national park in the north of Benin, the Park Nationale du W, which adjoins Niger, Burkina Faso and Benin. In this park, a very small population of 2 or 3 pairs may exist<sup>26,23</sup>. A few cheetah exist in and around the Pendjari complex of protected areas in northwestern Benin<sup>23</sup>.

*Principal Threat.* Insufficient numbers of cheetah to sustain a viable population and lack of habitat.

## GEOGRAPHY

**Climate:** tropical; hot, humid in south; semiarid in north

**Terrain:** mostly flat to undulating plain; some hills and low mountains

**Natural resources:** small offshore oil deposits, limestone, marble, timber

**Natural hazards:** hot, dry, dusty harmattan wind may affect north in winter

**Environment—current issues:** recent droughts have severely affected marginal agriculture in north; inadequate supplies of potable water; poaching threatens wildlife populations; deforestation; desertification

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Environmental Modification, Hazardous Wastes, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** African 99% (42 ethnic groups, most important being Fon, Adja, Yoruba, Bariba), Europeans 5,500

**Religions:** indigenous beliefs 70%, Muslim 15%, Christian 15%

**Languages:** French (official), Fon and Yoruba (most common vernaculars in south), tribal languages (at least six major ones in north)

## GOVERNMENT

**Data code:** BN

**Government type:** republic under multiparty democratic rule; dropped Marxism-Leninism December 1989; democratic reforms adopted February 1990; transition to multiparty system completed 4 April 1991

**Independence:** 1 August 1960 (from France)

**Legal system:** based on French civil law and customary law; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Lucien Edgar TONOUKOUIN

*chancery:* 2737 Cathedral Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 232-6656

*FAX:* [1] (202) 265-1996

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Robert C. FELDER

*embassy:* Rue Caporal Bernard Anani, Cotonou

*mailing address:* B. P. 2012, Cotonou

*telephone:* [229] 30-06-50, 30-05-13, 30-17-92

*FAX:* [229] 30-14-39, 30-19-74

## ECONOMY

**Economy—overview:** The economy of Benin remains underdeveloped and dependent on subsistence agriculture, cotton production, and regional trade. Growth in real output has averaged a sound 4% in 1990-95 and 5% in 1996-98. Rapid population growth has offset much of this growth in output. Inflation has subsided over the past three years. Commercial and transport activities, which make up a large part of GDP, are vulnerable to developments in Nigeria, particularly fuel shortages. Support by the Paris Club and official bilateral creditors has eased the external debt situation in recent years. The government, still burdened with money-losing state enterprises and a bloated civil service, has been gradually implementing a World Bank supported structural adjustment program since 1991.

**Industries:** textiles, cigarettes; beverages, food; construction materials, petroleum  
**Agriculture—products:** corn, sorghum, cassava (tapioca), yams, beans, rice, cotton, palm oil, peanuts; poultry, livestock  
**Exports:** \$250 million (f.o.b., 1998)  
**Exports—commodities:** cotton, crude oil, palm products, cocoa  
**Exports—partners:** Brazil 18%, Portugal 11%, Morocco 10%, Libya 6%, France (1997)  
**Imports:** \$314 million (f.o.b., 1998)  
**Imports—commodities:** foodstuffs, beverages, tobacco, petroleum products, intermediate goods, capital goods, light consumer goods  
**Imports—partners:** France 21%, UK 9%, Thailand 9%, Hong Kong 8%, China (1997)  
**Currency:** 1 Communauté Financière Africaine franc (CFAF) = 100 centimes  
**Exchange rates:** CFA francs (CFAF) per US\$1—566.36 (January 1999), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

### **Telephone system:**

*domestic:* fair system of open wire, microwave radio relay, and cellular connections

*international:* satellite earth station—1 Intelsat (Atlantic Ocean); submarine cable

**Radio broadcast stations:** AM 2, FM 9, shortwave 4 (1998 est.)

**Television broadcast stations:** 2 (one privately owned) (1997)

# Botswana

## CHEETAH STATUS

*Population.* Estimates vary between 1,000 and 1,500<sup>11, 52,27,53</sup>. Cheetahs have a wide distribution throughout Botswana, but are absent from areas of dense human settlement in the extreme south. In the northern districts of Ngami West, Ngami East, and Tutume areas, the cheetah is found throughout and is often in conflict with communal farmers who graze livestock and the commercial farmers of the Botswana Livestock Development Corporation<sup>11</sup>. Freehold lands make up a small percentage of the overall land base in Botswana, but appear to harbor relatively large cheetah populations<sup>53</sup>. This is especially true in the commercial farming areas of Ghanzi district and the Tuli Block and communal livestock areas in the south central Ghanzi district<sup>45, 53</sup>. Cheetahs have been reported in the following protected parks and reserves: Chobe National Park (11,000 km2), Moremi Wildlife Reserve (3,880 km2), Nxai Pan National Park (2,100 km2), Makgadikgadi Pans Game Reserve (3,900 km2), Kalahari Game Reserve (24,800 km2). Cheetahs have been protected game since 1968 but can be shot for livestock defense even before any damage has been noted. Recent quotas set by CITES in 1992 allows for 5 animals for export.

*Principal Threats.* Livestock farming and poaching.

## GEOGRAPHY

**Climate:** semiarid; warm winters and hot summers

**Terrain:** predominantly flat to gently rolling tableland; Kalahari Desert in southwest

**Natural resources:** diamonds, copper, nickel, salt, soda ash, potash, coal, iron ore, silver

**Natural hazards:** periodic droughts; seasonal August winds blow from the west, carrying sand and dust across the country, which can obscure visibility

**Environment—current issues:** overgrazing; desertification; limited fresh water resources

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** Batswana 95%, Kalanga, Basarwa, and Kgalagadi 4%, white 1%

**Religions:** indigenous beliefs 50%, Christian 50%

**Languages:** English (official), Setswana

## GOVERNMENT

**Data code:** BC

**Government type:** parliamentary republic

**Independence:** 30 September 1966 (from UK)

**Legal system:** based on Roman-Dutch law and local customary law; judicial review limited to matters of interpretation; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Archibald Mooketsa MOGWE

*chancery:* 1531-1533 New Hampshire Avenue NW, Washington, DC 20036

*telephone:* [1] (202) 244-4990

*FAX:* [1] (202) 244-4164

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Robert C. KRUEGER

*embassy:* address NA, Gaborone

*mailing address:* P. O. Box 90, Gaborone

telephone: [267] 353982

FAX: [267] 356947

## ECONOMY

**Economy—overview:** Agriculture still provides a livelihood for more than 80% of the population but supplies only about 50% of food needs and accounts for only 4% of GDP. Subsistence farming and cattle raising predominate. Diamond mining and tourism also are important to the economy. The sector is plagued by erratic rainfall and poor soils. Substantial mineral deposits were found in the 1970s and the mining sector grew from 25% of GDP in 1980 to 35% in 1997. Unemployment officially is 21% but unofficial estimates place it closer to 40%.

**Labor force—by occupation:** 100,000 public sector; 135,000 private sector, including 14,300 who are employed in various mines in South Africa; most others engaged in cattle raising and subsistence agriculture (1995 est.)

**Industries:** diamonds, copper, nickel, coal, salt, soda ash, potash; livestock processing

**Agriculture—products:** sorghum, maize, millet, pulses, groundnuts (peanuts), beans, cowpeas, sunflower seed; livestock

**Exports:** \$2.25 billion (f.o.b. 1998 est.)

**Exports—commodities:** diamonds 76%, copper, nickel 4%, meat (1997)

**Exports—partners:** EU 74%, Southern African Customs Union (SACU) 21%, Zimbabwe 3% (1996)

**Imports:** \$2.43 billion (f.o.b., 1998 est.)

**Imports—commodities:** foodstuffs, vehicles and transport equipment, textiles, petroleum products

**Imports—partners:** Southern African Customs Union (SACU) 78%, Europe 8%, Zimbabwe 6% (1996)

**Currency:** 1 pula (P) = 100 thebe

**Exchange rates:** pulas (P) per US\$1—4.5725 (January 1999), 4.2258 (1998), 3.6508 (1997), 3.3242 (1996), 2.7722 (1995), 2.6846 (1994)

## COMMUNICATION

**Telephone system:** sparse system

*domestic:* small system of open-wire lines, microwave radio relay links, and a few radiotelephone communication stations

*international:* microwave radio relay links to Zambia, Zimbabwe, and South Africa; satellite earth station—1 Intelsat (Indian Ocean)

**Radio broadcast stations:** AM 7, FM 15, shortwave 5 (1998)

**Television broadcast stations:** 0 (1997)

# Burkina Faso

## CHEETAH STATUS

*Population.* Extremely low. Estimated at 100<sup>62</sup>. Perhaps only found, now, in the complex of national parks and protected areas and the tri-country national park in the eastern point of the country that borders Niger and Benin where 2 or 3 pairs exist<sup>26,23</sup>. A few cheetahs exist in the Singou Fauna Reserve and the adjacent proposed Arlin National Park<sup>23</sup>. Cheetahs may now be extinct in the vicinity of Kabore Tambi National Park and the Natinga Game Ranch in southern Burkina Faso<sup>23</sup>. The cheetah is totally protected but enforcement is likely to be inadequate.

*Principal Threats.* The country is under growing invasion by large numbers of nomads from the north, which has increased the pressure on the cheetah's range. Loss of habitat, poaching and insufficient numbers of cheetah to sustain a viable population.

## GEOGRAPHY

**Climate:** tropical; warm, dry winters; hot, wet summers

**Terrain:** mostly flat to dissected, undulating plains; hills in west and southeast

**Natural resources:** manganese, limestone, marble; small deposits of gold, antimony, copper, nickel, bauxite, lead, phosphates, zinc, silver

**Natural hazards:** recurring droughts

**Environment—current issues:** recent droughts and desertification severely affecting agricultural activities, population distribution, and the economy; overgrazing; soil degradation; deforestation

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Marine Life Conservation, Ozone Layer Protection, Wetlands

*signed, but not ratified:* Law of the Sea, Nuclear Test Ban

## PEOPLE

**Ethnic groups:** Mossi about 24%, Gurunsi, Senufo, Lobi, Bobo, Mande, Fulani

**Religions:** indigenous beliefs 40%, Muslim 50%, Christian (mainly Roman Catholic) 10%

**Languages:** French (official), tribal languages belonging to Sudanic family, spoken by 90% of the population

## GOVERNMENT

**Data code:** UV

**Government type:** parliamentary

**Independence:** 5 August 1960 (from France)

**Legal system:** based on French civil law system and customary law

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Gaetan Rimwangulya OUEDRAOGO

*chancery:* 2340 Massachusetts Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 332-5577

*FAX:* [1] (202) 667-1882

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Sharon P. WILKINSON

*embassy:* Avenue Raoul Follerau, Ouagadougou

*mailing address:* 01 B. P. 35, Ouagadougou

*telephone:* [226] 306723 through 306725

*FAX:* [226] 303890

## ECONOMY

**Economy—overview:** One of the poorest countries in the world, landlocked Burkina Faso has a high population density, few natural resources, and a fragile soil. About 85% of the population is engaged in (mainly subsistence) agriculture which is highly vulnerable to variations in rainfall. Industry remains dominated by unprofitable government-controlled corporations. Following the African franc currency devaluation in January 1994 the government updated its development program in conjunction

macroeconomic progress in 1999-2000 depends on continued low inflation, reduction in the trade deficit, and reforms designed to encourage private investment.

**Labor force—by occupation:** agriculture 85%, industry, commerce, services, government (1998)

**Unemployment rate:** NA%

**Industries:** cotton lint, beverages, agricultural processing, soap, cigarettes, textiles, gold

**Industrial production growth rate:** 4.2% (1995)

**Agriculture—products:** peanuts, shea nuts, sesame, cotton, sorghum, millet, corn, rice; livestock

**Exports:** \$400 million (f.o.b., 1997 est.)

**Exports—commodities:** cotton, animal products, gold

**Exports—partners:** Cote d'Ivoire, France, Italy, Mali

**Imports:** \$700 million (f.o.b., 1997 est.)

**Imports—commodities:** machinery, food products, petroleum

**Imports—partners:** Cote d'Ivoire, France, Togo, Nigeria

**Currency:** 1 Communauté Financière Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communauté Financière Africaine francs (CFAF) per US\$1—560.01 (December 1998), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

**Telephone system:** all services only fair

*domestic:* microwave radio relay, open wire, and radiotelephone communication stations

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 2, FM 17, shortwave 1 (1998)

**Television broadcast stations:** 1 (1997)



# Cameroon

## CHEETAH STATUS

*Population.* Population very small. In 1975, small populations of cheetah were still found in Benoue National Park<sup>93,62</sup>. Between 1974 and 1976, a census was carried out in Bouba Nr'dijida National Park, which resulted in finding no cheetah<sup>62</sup>.

*Principal Threats.* Decline of prey species, poaching and environmental degradation<sup>62</sup>.

## GEOGRAPHY

**Climate:** varies with terrain, from tropical along coast to semiarid and hot in north

**Terrain:** diverse, with coastal plain in southwest, dissected plateau in center, mountains in west, plains in north

**Natural resources:** petroleum, bauxite, iron ore, timber, hydropower

**Irrigated land:** 210 sq km (1993 est.)

**Natural hazards:** recent volcanic activity with release of poisonous gases

**Environment—current issues:** water-borne diseases are prevalent; deforestation; overgrazing; desertification; poaching; overfishing

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Law of the Sea, Ozone Layer Protection, Tropical Timber 83, Tropical Timber 94

*signed, but not ratified:* Nuclear Test Ban

## PEOPLE

**Ethnic groups:** Cameroon Highlanders 31%, Equatorial Bantu 19%, Kirdi 11%, Fulani 10%, Northwestern Bantu 8%, Eastern Nigritic 7%, other African 13%, non-African less than 1%

**Religions:** indigenous beliefs 51%, Christian 33%, Muslim 16%

**Languages:** 24 major African language groups, English (official), French (official)

## GOVERNMENT

**Data code:** CM

**Government type:** unitary republic; multiparty presidential regime (opposition parties legalized in 1990)

**Independence:** 1 January 1960 (from UN trusteeship under French administration)

**Legal system:** based on French civil law system, with common law influence; does not accept compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Jerome MENDOUGA

*chancery:* 2349 Massachusetts Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 265-8790

*FAX:* [1] (202) 387-3826

**Diplomatic representation from the US:**

*chief of mission:* Ambassador John M. YATES

*embassy:* Rue Nachtigal, Yaounde

*mailing address:* B. P. 817, Yaounde; pouch: American Embassy, Department of State, Washington, DC 20521-2520

*telephone:* [237] 23-45-52

*FAX:* [237] 23-07-53

## ECONOMY

**Economy—overview:** Because of its oil resources and favorable agricultural conditions, Cameroon has one of the best-endowed primary commodity economies in sub-Saharan Africa. Still, it faces many of the serious problems facing other underdeveloped countries, such as a top-heavy civil service and a generally unfavorable climate for business enterprise. Since 1990, the government has embarked on various IMF and World Bank programs designed to spur business investment, increase efficiency in

agriculture, improve trade, and recapitalize the nation's banks. The government, however, has failed to press forward vigorously with these programs. The latest enhanced structural adjustment agreement was signed in October 1997; the parties hope this will prove more successful, yet government mismanagement and corruption remain problems. Inflation has been brought back under control. Progress toward privatization of remaining state industry may support economic growth in 1999-2000.

**Industries:** petroleum production and refining, food processing, light consumer goods, textiles, lumber

**Agriculture—products:** coffee, cocoa, cotton, rubber, bananas, oilseed, grains, root starches; livestock; timber

**Exports:** \$1.6 billion (f.o.b., 1998)

**Exports—commodities:** crude oil and petroleum products, lumber, cocoa beans, aluminum, coffee, cotton

**Exports—partners:** Italy 25%, Spain 20%, France 16%, Netherlands 7% (1997 est.)

**Imports:** \$1.3 billion (f.o.b., 1998)

**Imports—commodities:** machines and electrical equipment, transport equipment, fuel, food

**Imports—partners:** France 25%, Nigeria 8%, US 8%, Germany 6% (1997 est.)

**Currency:** 1 Communaute Financiere Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communaute Financiere Africaine francs (CFAF) per US\$1—575 (January 1999), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

**Telephone system:** available only to business and government

*domestic:* cable, microwave radio relay, and tropospheric scatter

*international:* satellite earth stations—2 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 11, FM 8, shortwave 3 (1998)

**Television broadcast stations:** 1 (1998)

# Central African Republic

## CHEETAH STATUS

*Population.* Still found in the south-eastern area of the country, bordering Sudan and in the southern middle of the country, bordering Democratic Republic of Congo<sup>85,71</sup>. A small population still existed in Saint Floris National Park bordering Chad and the hunting domains in the north<sup>93, 9, 71</sup>.

*Principal Threats.* Extensive poaching and limited prey species.

*Taxonomy.* North Central African Republic listed as *A.j. soemmeringii*, there is no listing for southern Central African Republic.

**Background:** In 1996, the country experienced three mutinies by dissident elements of the armed forces, which demanded back pay as well as political and military reforms. Subsequent violence between the government and rebel military groups over pay issues, living conditions, and lack of opposition party representation in the government, destroyed many businesses in the capital, reduced tax revenues, and exacerbated the government's problems in meeting expenses. African peacekeepers restored order in 1997; in April 1998 the United Nations Mission in the Central African Republic (MINURCA) assumed responsibility for peacekeeping operations.

## GEOGRAPHY

**Climate:** tropical; hot, dry winters; mild to hot, wet summers

**Terrain:** vast, flat to rolling, monotonous plateau; scattered hills in northeast and southwest

**Natural resources:** diamonds, uranium, timber, gold, oil

**Natural hazards:** hot, dry, dusty harmattan winds affect northern areas; floods are common

**Environment—current issues:** tap water is not potable; poaching has diminished its reputation as one of the last great wildlife refuges; desertification; deforestation

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Nuclear Test Ban, Ozone Layer Protection, Tropical Timber 94

*signed, but not ratified:* Law of the Sea

## PEOPLE

**Ethnic groups:** Baya 34%, Banda 27%, Sara 10%, Mandjia 21%, Mboum 4%, M'Baka 4%, Europeans 6,500 (including 3,600 French)

**Religions:** indigenous beliefs 24%, Protestant 25%, Roman Catholic 25%, Muslim 15%, other 11%  
*note:* animistic beliefs and practices strongly influence the Christian majority

**Languages:** French (official), Sangho (lingua franca and national language), Arabic, Hounsa, Swahili

## GOVERNMENT

**Data code:** CT

**Government type:** republic

**Independence:** 13 August 1960 (from France)

**Legal system:** based on French law

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Henri KOBA

*chancery:* 1618 22nd Street NW, Washington, DC 20008

*telephone:* [1] (202) 483-7800

*FAX:* [1] (202) 332-9893

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Robert C. PERRY

*embassy:* Avenue David Dacko, Bangui

*mailing address:* B. P. 924, Bangui

*telephone:* [236] 61 26 21

*FAX:* [236] 61 44 94

## ECONOMY

**Economy—overview:** Subsistence agriculture, together with forestry, remains the backbone of the economy of the Central African Republic (CAR), with more than 70% of the population living in outlying areas. The agricultural sector generates half of GDP. Timber has accounted for about 16% of export earnings and the diamond industry for nearly 54%. Important constraints to economic development include the CAR's landlocked position, a poor transportation system, a largely unskilled work force, and a legacy of misdirected macroeconomic policies. The 50% devaluation of the currencies of 14 Francophone African nations on 12 January 1994 had mixed effects on the CAR's economy. Diamond, timber, coffee, and cotton exports increased, leading an estimated rise of GDP of 7% in 1994 and nearly 5% in 1995. Military rebellions and social unrest in 1996 were accompanied by widespread destruction of property and a drop in GDP of 2%. Ongoing violence between the government and rebel military groups over pay issues, living conditions, and political representation has destroyed many businesses in the capital and reduced tax revenues for the government. The IMF approved an Extended Structure Adjustment Facility in 1998.

**Industries:** diamond mining, sawmills, breweries, textiles, footwear, assembly of bicycles and motorcycles

**Agriculture—products:** cotton, coffee, tobacco, manioc (tapioca), yams, millet, corn, bananas; timber

**Exports:** \$182 million (f.o.b., 1998)

**Exports—commodities:** diamonds, timber, cotton, coffee, tobacco

**Exports—partners:** Belgium-Luxembourg 36%, Cote d'Ivoire 5%, Spain 4%, Egypt 3%, France

**Imports:** \$155 million (f.o.b., 1998)

**Imports—commodities:** food, textiles, petroleum products, machinery, electrical equipment, motor vehicles, chemicals, pharmaceuticals, consumer goods, industrial products

**Imports—partners:** France 30%, Cote d'Ivoire 18%, Cameroon 11%, Germany 4%, Japan

**Currency:** 1 Communaute Financiere Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communaute Financiere Africaine francs (CFAF) per US\$1—560.01 (December 1998), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

**Telephone system:** fair system

*domestic:* network consists principally of microwave radio relay and low-capacity, low-powered radiotelephone communication

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 1, FM 3 (including Africa No. 1 and R. France Internationale stations located in Bangui), shortwave 1 (1998)

**Television broadcast stations:** NA

# Chad

## CHEETAH STATUS

*Population.* Possibly a small population still exists in the Tibesti Highlands where prey species still are abundant, and there may also be a small population in Ennedi mountains<sup>71</sup>. As of 1975, there was a small population of cheetah in the Zakouma National Park<sup>93</sup>.

*Principal Threats.* Changing climate conditions have reduced the carrying capacity of the land and have over-burdened the sensitive environment<sup>62</sup>. Currently, the many years of war have armed the general population, which puts all wildlife in danger of poaching for food and profit.

**Background:** In 1960, Chad gained full independence from France. In December 1990, after Chad had endured three decades of ethnic warfare as well as invasions by Libya, former northern guerrilla leader Idriss DEBY seized control of the government. His transitional government eventually suppressed or came to terms with most political-military groups, settled the territorial dispute with Libya on terms favorable to Chad, drafted a democratic constitution which was ratified by popular referendum in 1996, held multiparty national presidential elections in 1996 (DEBY won with 69% of the vote), and held multiparty elections for the National Assembly in 1997 (DEBY's Patriotic Salvation Movement won a majority of the seats). But by the end of 1998, DEBY was beset with numerous problems including heavy casualties in the Democratic Republic of the Congo where Chadian troops had been deployed to support embattled President KABILA, a new rebellion in northern Chad, and further delays in the Doba Basin oil project in the south.

## GEOGRAPHY

**Climate:** tropical in south, desert in north

**Terrain:** broad, arid plains in center, desert in north, mountains in northwest, lowlands in south

**Natural resources:** petroleum (unexploited but exploration under way), uranium, natron, kaolin, fish (Lake Chad)

**Natural hazards:** hot, dry, dusty harmattan winds occur in north; periodic droughts; locust plagues

**Environment—current issues:** inadequate supplies of potable water; improper waste disposal in rural areas contributes to soil and water pollution; desertification

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Nuclear Test Ban, Ozone Layer Protection, Wetlands

*signed, but not ratified:* Law of the Sea, Marine Dumping

## PEOPLE

**Ethnic groups:** Muslims (Arabs, Toubou, Hadjerai, Fulbe, Kotoko, Kanembou, Baguirmi, Boulala, Zaghawa, and Maba), non-Muslims (Sara, Ngambaye, Mbaye, Goulaye, Moundang, Moussei, Massa), nonindigenous 150,000 (of whom 1,000 are French)

**Religions:** Muslim 50%, Christian 25%, indigenous beliefs (mostly animism) 25%

**Languages:** French (official), Arabic (official), Sara and Sango (in south), more than 100 different languages and dialects

## GOVERNMENT

**Data code:** CD

**Government type:** republic

**Independence:** 11 August 1960 (from France)

**Legal system:** based on French civil law system and Chadian customary law; does not accept compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Hassaballah Abdelhadi Ahmat SOUBIANE

*chancery:* 2002 R Street NW, Washington, DC 20009

*telephone:* [1] (202) 462-4009

*FAX:* [1] (202) 265-1937

**Diplomatic representation from the US:**

*chief of mission:* Ambassador David C. HALSTED

*embassy:* Avenue Felix Eboue, N'Djamena

*mailing address:* B. P. 413, N'Djamena

*telephone:* [235] (51) 70-09, (51) 90-52, (51) 92-33  
*FAX:* [235] (51) 56-54

## **ECONOMY**

**Economy—overview:** Landlocked Chad's economic development suffers from its geographic remoteness, drought, lack of infrastructure, and political turmoil. About 85% of the population depends on agriculture, including the herding of livestock. Of Africa's Francophone countries, Chad benefited least from the 50% devaluation of their currencies in January 1994. Financial aid from the World Bank, the African Development Fund, and other sources is directed largely at the improvement of agriculture, especially livestock production. Lack of financing and low oil prices, however, are stalling the development of an oil field in the Doba Basin and the construction of a proposed oil pipeline through Cameroon.

**Labor force—by occupation:** agriculture 85% (subsistence farming, herding, and fishing)

**Industries:** cotton textiles, meat packing, beer brewing, natron (sodium carbonate), soap, cigarettes, construction materials

**Agriculture—products:** cotton, sorghum, millet, peanuts, rice, potatoes, manioc (tapioca); cattle, sheep, goats, camels

**Exports:** \$220 million (f.o.b., 1998 est.)

**Exports—commodities:** cotton, cattle, textiles

**Exports—partners:** Portugal 30%, Germany 14%, Thailand, Costa Rica, South Africa, France (1997)

**Imports:** \$252 million (f.o.b., 1998 est.)

**Imports—commodities:** machinery and transportation equipment, industrial goods, petroleum products, foodstuffs, textiles

**Imports—partners:** France 41%, Nigeria 10%, Cameroon 7%, India 6% (1997)

**Currency:** 1 Communaute Financiere Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communaute Financiere Africaine Francs (CFAF) per US\$1—560.01 (December 1998), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## **COMMUNICATION**

**Telephone system:** primitive system

*domestic:* fair system of radiotelephone communication stations

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 2, FM 3, shortwave 3 (one of the shortwave stations has three frequencies) (1998)

**Television broadcast stations:** 1 (broadcasts 1800 to 2100 hours, four days per week) (1997)

# Congo, Democratic Republic of the

## CHEETAH STATUS

*Population.* No current information. Estimated at 300 and could decline below 100 by 1980<sup>62</sup>. Small populations found in parts of Shaba, Kasai and Kwango Provinces in the southern and southeastern part of country<sup>62</sup>. Kundelungu National Park (7,600 km<sup>2</sup>) and Upemba National Park (10,000 km<sup>2</sup>) did contain a few cheetah<sup>62</sup>.

*Principal Threats.* Agricultural development, poaching and loss of habitat.

*Taxonomy.* There is no listing for the Northern Congo population.

## GEOGRAPHY

**Climate:** tropical; hot and humid in equatorial river basin; cooler and drier in southern highlands; cooler and wetter in eastern highlands; north of Equator—wet season April to October, dry season December to February; south of Equator—wet season November to March, dry season April to October

**Terrain:** vast central basin is a low-lying plateau; mountains in east

**Natural resources:** cobalt, copper, cadmium, petroleum, industrial and gem diamonds, gold, silver, zinc, manganese, tin, germanium, uranium, radium, bauxite, iron ore, coal, hydropower potential, timber

**Natural hazards:** periodic droughts in south; volcanic activity

**Environment—current issues:** poaching threatens wildlife populations; water pollution; deforestation; refugees who arrived in mid-1994 were responsible for significant deforestation, soil erosion, and wildlife poaching in the eastern part of the country (most of those refugees were repatriated in November and December 1996)

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Marine Dumping, Nuclear Test Ban, Ozone Layer Protection, Tropical Timber 83, Tropical Timber 94, Wetlands

*signed, but not ratified:* Environmental Modification

## PEOPLE

**Net migration rate:** -1.78 migrant(s)/1,000 population (1999 est.)

*note:* in 1994, about a million refugees fled into Zaire (now called the Democratic Republic of the Congo or DROC), to escape the fighting between the Hutus and the Tutsis in Rwanda and Burundi; the outbreak of widespread fighting in the DROC between rebels and government forces in October 1996 spurred about 875,000 refugees to return to Rwanda in late 1996 and early 1997;

**Ethnic groups:** over 200 African ethnic groups of which the majority are Bantu; the four largest tribes—Mongo, Luba, Kongo (all Bantu), and the Mangbetu-Azande (Hamitic) make up about 45% of the population

**Religions:** Roman Catholic 50%, Protestant 20%, Kimbanguist 10%, Muslim 10%, other syncretic sects and traditional beliefs 10%

**Languages:** French (official), Lingala (a lingua franca trade language), Kingwana (a dialect of Kiswahili or Swahili), Kikongo, Tshiluba

## GOVERNMENT

**Data code:** CG

**Government type:** dictatorship; presumably undergoing a transition to representative government

**Independence:** 30 June 1960 (from Belgium)

**Legal system:** based on Belgian civil law system and tribal law; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Faida MITIFU

*chancery:* 1800 New Hampshire Avenue NW, Washington, DC 20009

*telephone:* [1] (202) 234-7690, 7691

*FAX:* [1] (202) 236-0748

**Diplomatic representation from the US:**

*chief of mission:* Ambassador William Lacy SWING

*embassy:* 310 Avenue des Aviateurs, Kinshasa

*mailing address:* Unit 31550, APO AE 09828

*telephone:* [243] (12) 21028, 21959

*FAX:* [243] (88) 43805 43467

## **ECONOMY**

**Economy—overview:** The economy of the Democratic Republic of the Congo—a nation endowed with vast potential wealth—has declined significantly since the mid-1980s. The new government instituted a tight fiscal policy that initially curbed inflation and currency depreciation, but these small gains were quickly reversed when the foreign-backed rebellion in the eastern part of the country began in August 1998. The war has dramatically reduced government revenue, and increased external debt. Foreign businesses have curtailed operations due to uncertainty about the outcome of the conflict and because of increased government harassment and restrictions. Poor infrastructure, an uncertain legal framework, corruption, and lack of transparency in government economic policy remain a brake on investment and growth. A number of IMF and World Bank missions have met with the new government to help it develop a coherent economic plan but associated reforms are on hold.

**Labor force—by occupation:** agriculture 65%, industry 16%, services 19% (1991 est.)

**Industries:** mining, mineral processing, consumer products (including textiles, footwear, cigarettes, processed foods and beverages), cement, diamonds

**Agriculture—products:** coffee, sugar, palm oil, rubber, tea, quinine, cassava (tapioca), palm oil, bananas, root crops, corn, fruits; wood products

**Exports:** \$1.6 billion (f.o.b., 1998 est.)

**Exports—commodities:** diamonds, copper, coffee, cobalt, crude oil

**Exports—partners:** Benelux 43%, US 22%, South Africa 8%, France, Germany, Italy, UK, Japan (1997)

**Imports:** \$819 million (f.o.b., 1998 est.)

**Imports—commodities:** consumer goods, foodstuffs, mining and other machinery, transport equipment, fuels

**Imports—partners:** South Africa 21%, Benelux 14%, China 8%, Netherlands, US, France, Germany, Italy, Japan, UK (1997)

**Currency:** Congolese franc (CF)

**Exchange rates:** Congolese francs (CF) per US\$1—2.5 (January 1999); new zaires (Z) per US\$1—115,000 (January 1998), 83,764 (October 1996), 7,024 (1995), 1,194 (1994)

*note:* on 30 June 1998 the Congolese franc (CF) was introduced, replacing the new zaire; 1 Congolese franc (CF)=100,000 new zaires

## **COMMUNICATION**

### **Telephone system:**

*domestic:* barely adequate wire and microwave radio relay service in and between urban areas; domestic satellite system with 14 earth stations

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 10, FM 4, shortwave 0

**Television broadcast stations:** 18 (1997)



# Egypt

## CHEETAH STATUS

*Population.* Cheetah tracks have been seen and at least 5 animals were seen around the Sitra water source in the Qattara Depression in the western and northwest parts of the country, and north of Qara Oasis. It is believed there is still a small population that remains there<sup>24, 3, 78</sup>. In 1994, tourism was banned in Marsa Matruh Province (where the Qattara depression is situated) for five years to protect wildlife from poaching<sup>71</sup>. A proposed cheetah-gazelle sanctuary in northwest Qattara has been prepared<sup>78</sup>. The cheetah is totally protected, although enforcement is likely to be inadequate.

*Principal Threats.* Restricted habitat, possible conflict with nomadic herdsmen, and insufficient numbers of cheetah to sustain a population.

**Background:** One of the four great ancient civilizations, Egypt, ruled by powerful pharaohs, bequeathed to Western civilization numerous advances in technology, science, and the arts. For the last two millennia, however, Egypt has served a series of foreign masters—Persians, Greeks, Romans, Byzantines, Arabs, Turks, and the British. Formal independence came in 1922, and the remnants of British control ended after World War II. The completion of the Aswan High Dam in 1981 altered the time-honored place of the Nile River in the agriculture and ecology of Egypt. A rapidly growing population will stress Egyptian society and resources as it enters the new millennium.

## GEOGRAPHY

**Climate:** desert; hot, dry summers with moderate winters

**Terrain:** vast desert plateau interrupted by Nile valley and delta

**Natural resources:** petroleum, natural gas, iron ore, phosphates, manganese, limestone, gypsum, talc, asbestos, lead, zinc

**Natural hazards:** periodic droughts; frequent earthquakes, flash floods, landslides, volcanic activity; hot, driving windstorm called khamsin occurs in spring; dust storms, sandstorms

**Environment—current issues:** agricultural land being lost to urbanization and windblown sands; increasing soil salination below Aswan High Dam; desertification; oil pollution threatening coral reefs, beaches, and marine habitats; other water pollution from agricultural pesticides, raw sewage, and industrial effluents; very limited natural fresh water resources away from the Nile which is the only perennial water source; rapid growth in population overstraining natural resources

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Environmental Modification, Hazardous Wastes, Law of the Sea, Marine Dumping, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Tropical Timber 83, Tropical Timber 94, Wetlands, Whaling

## PEOPLE

**Ethnic groups:** Eastern Hamitic stock (Egyptians, Bedouins, and Berbers) 99%, Greek, Nubian, Armenian, other European (primarily Italian and French) 1%

**Religions:** Muslim (mostly Sunni) 94% (official estimate), Coptic Christian and other 6% (official estimate)

**Languages:** Arabic (official), English and French widely understood by educated classes

## GOVERNMENT

**Data code:** EG

**Government type:** republic

**Independence:** 28 February 1922 (from UK)

**Legal system:** based on English common law, Islamic law, and Napoleonic codes; judicial review by Supreme Court and Council of State (oversees validity of administrative decisions); accepts compulsory ICJ jurisdiction, with reservations

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Ahmed MAHER al-Sayed

*chancery:* 3521 International Court NW, Washington, DC 20008

*telephone:* [1] (202) 895-5400

*FAX:* [1] (202) 244-4319, 5131

*consulate(s) general:* Chicago, Houston, New York, and San Francisco

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Daniel C. KURTZER

*embassy:* (North Gate) 8, Kamel El-Din Salah Street, Garden City, Cairo

*mailing address:* Unit 64900, APO AE 09839-4900

*telephone:* [20] (2) 3557371

*FAX:* [20] (2) 3573200

## **ECONOMY**

**Economy—overview:** At the end of the 1980s, Egypt faced problems of low productivity and poor economic management, compounded by the adverse social effects of excessive population growth, high inflation, and massive urban overcrowding. In the face of these pressures, in 1991 Egypt undertook wide-ranging macroeconomic stabilization and structural reform measures. This reform effort has been supported by three IMF arrangements, the last of which expired in September 1998. Egypt's reform efforts—and its participation in the Gulf war coalition—also led to massive debt relief under the Paris Club arrangements. Substantial progress has been made in improving macroeconomic performance. Cairo tamed inflation, slashed budget deficits, and built up foreign reserves to an all-time high.

Although the pace of structural reforms—such as privatization and new business legislation—has been slower than envisioned under the IMF program, Egypt's steps toward a more market-oriented economy have prompted increased foreign investment. The November 1997 massacre of foreign tourists in Luxor affected tourism enough to slow the GDP growth rate for 1998 compared to earlier projections.

Tourism's slow recovery, coupled with low world oil prices, caused a downturn in foreign exchange earnings in 1998, but external payments are not in crisis.

**Labor force—by occupation:** agriculture 40%, services, including government 38%, industry 22% (1990 est.)

**Industries:** textiles, food processing, tourism, chemicals, petroleum, construction, cement, metals

**Agriculture—products:** cotton, rice, corn, wheat, beans, fruits, vegetables; cattle, water buffalo, sheep, goats; fish

**Exports:** \$5.5 billion (f.o.b., FY97/98 est.)

**Exports—commodities:** crude oil and petroleum products, cotton yarn, raw cotton, textiles, metal products, chemicals

**Exports—partners:** EU, US, Japan

**Imports:** \$16.7 billion (c.i.f., FY97/98 est.)

**Imports—commodities:** machinery and equipment, foods, fertilizers, wood products, durable consumer goods, capital goods

**Imports—partners:** US, EU, Japan

**Currency:** 1 Egyptian pound (£E) = 100 piasters

**Exchange rates:** Egyptian pounds (£E) per US\$1—3.4 (November 1994); market rate—3.3880 (January 1999), 3.3880 (1998), 3.3880 (1997), 3.3880 (1996), 3.3900 (1995), 3.3910 (1994)

## **COMMUNICATION**

**Telephone system:** large system by Third World standards but inadequate for present requirements and undergoing extensive upgrading

*domestic:* principal centers at Alexandria, Cairo, Al Mansurah, Ismailia, Suez, and Tanta are connected by coaxial cable and microwave radio relay

*international:* satellite earth stations—2 Intelsat (Atlantic Ocean and Indian Ocean), 1 Arabsat, and 1 Inmarsat; 5 coaxial submarine cables; tropospheric scatter to Sudan; microwave radio relay to Israel; participant in Medarabtel

**Radio broadcast stations:** AM 57, FM 14, shortwave 3 (1998 est.)

**Television broadcast stations:** 42 (in addition, there are nine channels received from Europe by satellite) (1997)

# Ethiopia

## CHEETAH STATUS

*Population.* In 1975 the population was estimated to be 1000 animals and it was believed that the populations could decline to 300 animals by 1980<sup>62</sup>. The cheetah was widely distributed from Addes to Djibouti in eastern Ethiopia. Also widely distributed through the southern parts of the country, between 200-1500m elevation, absent from the low lands of the Ogaden in the east, and no sightings in the north since 1937<sup>94</sup>. A small population was known to be in the Danakil Reserve<sup>62</sup>. In 1995, cheetahs were sited near Dolo<sup>40</sup>. Two cheetahs were seen in the dry desert scrub, 100km from Dolo, by American oil company employees. The cheetahs were seen on a rocky plateau. This area has a fairly large antelope prey population<sup>40</sup>. Other cheetah sightings have recently been in the Afer Zone, in and around the CherriHi/El Kere area, and in the Dolo region skins and live cheetah are offered for sale<sup>40</sup>. One cheetah from the Dolo region is in captivity at the Royal Palace as of 1996<sup>40</sup>. Cheetahs are protected against hunting and capture although legislation is difficult to enforce.

*Principal Threats.* Civil war, habitat loss, extensive poaching, decline of prey, and fur trade.

**Background:** On 28 May 1991 the Ethiopian People's Revolutionary Democratic Front (EPRDF) toppled the authoritarian government of MENGISTU Haile-Mariam and took control in Addis Ababa. A new constitution was promulgated in December 1994 and national and regional popular elections were held in May and June 1995.

## GEOGRAPHY

**Climate:** tropical monsoon with wide topographic-induced variation

**Terrain:** high plateau with central mountain range divided by Great Rift Valley

**Natural resources:** small reserves of gold, platinum, copper, potash, natural gas

**Natural hazards:** geologically active Great Rift Valley susceptible to earthquakes, volcanic eruptions; frequent droughts

**Environment—current issues:** deforestation; overgrazing; soil erosion; desertification

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Ozone Layer Protection  
*signed, but not ratified:* Environmental Modification, Law of the Sea, Nuclear Test Ban

## PEOPLE

**Net migration rate:** -1.3 migrant(s)/1,000 population (1999 est.)

*note:* repatriation of Ethiopians who fled to Sudan, Kenya, and Somalia for refuge from war and famine in earlier years, is expected to continue slowly in 1998; small numbers of Sudanese and Somali refugees, who fled to Ethiopia from the fighting in their own countries, began returning to their homes in 1998

**Ethnic groups:** Oromo 40%, Amhara and Tigrean 32%, Sidamo 9%, Shankella 6%, Somali 6%, Afar 4%, Gurage 2%, other 1%

**Religions:** Muslim 45%-50%, Ethiopian Orthodox 35%-40%, animist 12%, other 3%-8%

**Languages:** Amharic, Tigrinya, Orominga, Guaraginga, Somali, Arabic, English (major foreign language taught in schools)

## GOVERNMENT

**Data code:** ET

**Government type:** federal republic

**Independence:** oldest independent country in Africa and one of the oldest in the world—at least 2,000 years

**Legal system:** currently transitional mix of national and regional courts

**Diplomatic representation in the US:**

*chief of mission:* Ambassador BERHANE Gebre-Christos

*chancery:* 2134 Kalorama Road NW, Washington, DC 20008

*telephone:* [1] (202) 234-2281

*FAX:* [1] (202) 328-7950

**Diplomatic representation from the US:**

*chief of mission:* Ambassador David H. SHINN

*mailing address:* P. O. Box 1014, Addis Ababa  
*telephone:* [251] (1) 550666  
*FAX:* [251] (1) 551328

## **ECONOMY**

**Economy—overview:** Ethiopia remains one of the least developed countries in the world. Its economy is based on agriculture, which accounts for more than half of GDP, 90% of exports, and 80% of total employment; coffee generates 60% of export earnings. The agricultural sector suffers from frequent periods of drought, poor cultivation practices, and deterioration of internal security conditions. The manufacturing sector is heavily dependent on inputs from the agricultural sector. Over 90% of large-scale industry, but less than 10% of agriculture, is state-run. The government is considering selling off a portion of state-owned plants and is implementing reform measures that are gradually liberalizing the economy. A major medium-term problem is the improvement of roads, water supply, and other parts of an infrastructure badly neglected during years of civil strife. Renewed fighting with Eritrea dims economic prospects for 1999.

**Labor force—by occupation:** agriculture and animal husbandry 80%, government and services 12%, industry and construction 8% (1985)

**Industries:** food processing, beverages, textiles, chemicals, metals processing, cement

**Agriculture—products:** cereals, pulses, coffee, oilseed, sugarcane, potatoes; hides, cattle, sheep, goats

**Exports:** \$550 million (f.o.b., 1998)

**Exports—commodities:** coffee, leather products, gold, oilseeds (1995)

**Exports—partners:** Germany 26%, Japan 11%, Italy 10%, UK 8%, Djibouti, Saudi Arabia (1996 est.)

**Imports:** \$1.3 billion (f.o.b., 1998 est.)

**Imports—commodities:** food and live animals, petroleum and petroleum products, chemicals, machinery, motor vehicles and aircraft (1994)

**Imports—partners:** Italy 11%, US 11%, Germany 7%, Saudi Arabia 4% (1996 est.)

**Currency:** 1 birr (Br) = 100 cents

**Exchange rates:** birr (Br) per US\$1 (end of period)—7.58 (January 1999), 6.8640 (1997), 6.4260 (1996), 6.3200 (1995), 5.9500 (1994)

*note:* since May 1993, the birr market rate has been determined in an interbank market supported by weekly wholesale auction; prior to that date, the official rate was pegged to US\$1 = 5.000 birr

## **COMMUNICATION**

**Telephone system:** open wire and microwave radio relay system adequate for government use

*domestic:* open wire and microwave radio relay

*international:* open wire to Sudan and Djibouti; microwave radio relay to Kenya and Djibouti; satellite earth stations—3 Intelsat (1 Atlantic Ocean and 2 Pacific Ocean)

**Radio broadcast stations:** AM 5, FM 0, shortwave 1

**Television broadcast stations:** 25 (1998)

# Ghana

## CHEETAH STATUS

Believed to be extinct. The Mole National Park had a small population in the reserve as of 1975<sup>93</sup>.

## GEOGRAPHY

**Climate:** tropical; warm and comparatively dry along southeast coast; hot and humid in southwest; hot and dry in north

**Terrain:** mostly low plains with dissected plateau in south-central area

**Natural resources:** gold, timber, industrial diamonds, bauxite, manganese, fish, rubber

**Natural hazards:** dry, dusty, harmattan winds occur from January to March; droughts

**Environment—current issues:** recent drought in north severely affecting agricultural activities; deforestation; overgrazing; soil erosion; poaching and habitat destruction threatens wildlife populations; water pollution; inadequate supplies of potable water

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Environmental Modification, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Tropical Timber 83, Tropical Timber 94

*signed, but not ratified:* Marine Life Conservation

## PEOPLE

**Ethnic groups:** black African 99.8% (major tribes—Akan 44%, Moshi-Dagomba 16%, Ewe 13%, Ga 8%), European and other 0.2%

**Religions:** indigenous beliefs 38%, Muslim 30%, Christian 24%, other 8%

**Languages:** English (official), African languages (including Akan, Moshi-Dagomba, Ewe, and Ga)

## GOVERNMENT

**Data code:** GH

**Government type:** constitutional democracy

**Independence:** 6 March 1957 (from UK)

**Legal system:** based on English common law and customary law; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Kobena KOOMSON

*chancery:* 3512 International Drive NW, Washington, DC 20008

*telephone:* [1] (202) 686-4520

*FAX:* [1] (202) 686-4527

*consulate(s) general:* New York

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Kathryn Dee ROBINSON

*embassy:* Ring Road East, East of Danquah Circle, Accra

*mailing address:* P. O. Box 194, Accra

*telephone:* [233] (21) 775348

*FAX:* [233] (21) 776008

## ECONOMY

**Economy—overview:** Well endowed with natural resources, Ghana has twice the per capita output of the poorer countries in West Africa. Even so, Ghana remains heavily dependent on international financial and technical assistance. Gold, timber, and cocoa production are major sources of foreign exchange. The domestic economy continues to revolve around subsistence agriculture, which accounts for 41% of GDP and employs 60% of the work force, mainly small landholders. In 1995-97, Ghana made mixed progress under a three-year structural adjustment program in cooperation with the IMF. On the minus side, public sector wage increases and regional peacekeeping commitments have led to continued inflationary deficit financing, depreciation of the cedi, and rising public discontent with Ghana's austerity measures. Power shortages also helped slow growth in 1998.

**Labor force—by occupation:** agriculture and fishing 61%, industry 10%, services 29% (1996 est.)

**Industries:** mining, lumbering, light manufacturing, aluminum smelting, food processing

**Agriculture—products:** cocoa, rice, coffee, cassava (tapioca), peanuts, corn, shea nuts, bananas; timber

**Exports:** \$1.5 billion (f.o.b., 1997)

**Exports—commodities:** gold 39%, cocoa 35%, timber 9.4%, tuna, bauxite, aluminum, manganese ore, and diamonds (1996 est.)

**Exports—partners:** UK, Germany, US, Netherlands, Japan, Nigeria

**Imports:** \$2.1 billion (f.o.b., 1997)

**Imports—commodities:** capital equipment, petroleum, consumer goods, foods, intermediate goods

**Imports—partners:** UK, Nigeria, US, Germany, Japan, Netherlands

**Currency:** 1 new cedi (C) = 100 pesewas

**Exchange rates:** new cedis per US\$1—2,324.70 (September 1998), 2,050.17 (1997), 1,637.23 (1996), 1,200.43 (1995), 956.71 (1994)

## COMMUNICATION

**Telephone system:** poor to fair system

*domestic:* primarily microwave radio relay

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 4, FM 23, shortwave 0 (1997)

**Television broadcast stations:** 7 (in addition, there are eight repeaters) (1997)

# Iran

## CHEETAH STATUS

*Population.* Estimates of 100-200<sup>39</sup> and less than 100<sup>7</sup>. Under the rein of the Shah of Iran the population was estimated at 400-450<sup>28, 37, 7</sup>. As of 1998 cheetah are still to be found in very small groups in a variety of areas of this large country. A recent survey has been conducted by Hormoz Asadi showing 6 areas in the country where cheetah still exist.

1. Evidence indicates definite dispersal of cheetah from the Koshe-Yeilagh and Miandasht protected areas towards the southern Khorasan. The survey indicates that there are at least 15 to 20 cheetah in southern Khorasan and groups of 5-8 cheetah have been reported to be hunting wild sheep.
2. Cheetahs are surviving in the unprotected areas in Bafgh region of Yazd province. Much of this region consists of arid mountains and population estimates are still 10 to 15 animals including the Kalmand protected area.
3. A population is in the unprotected area of eastern Isfahan where the terrain consists of vast expanses of desert, unpopulated except for herdsmen grazing goats and camels. Here livestock numbers have increased and the past gazelle population has decreased, but this region may still support 5-10 cheetah that are widely scattered.
4. A population is found in Kavir National Park and reports are frequent in this vast desert with arid mountains. The population corresponds with a gazelle population and there may still be 10 to 15 cheetahs here.
5. A population exists in the Garmsar, Damghan and Semnan unprotected areas in the northern part of the plateau. Here, 5 to 10 cheetahs are in conflict with growing agriculture and human populations.
6. A population is found in the Khar Touran National Park and protected area, which may possess the highest cheetah density in Iran. Cheetah reports are frequent in this vast expanse of desert where there may be 15 to 20 cheetahs still alive<sup>7</sup>.

*Principal Threats.* Loss of habitat, poaching, limited numbers of prey species. Direct persecution by humans, either shepherds or local hunters. They are easy targets for people in four-wheel drive vehicles and motorbike riders who chase cheetah if they see them, causing them to die of exhaustion or leave the area.

## GEOGRAPHY

**Climate:** mostly arid or semiarid, subtropical along Caspian coast

**Terrain:** rugged, mountainous rim; high, central basin with deserts, mountains; small, discontinuous plains along both coasts

**Natural resources:** petroleum, natural gas, coal, chromium, copper, iron ore, lead, manganese, zinc, sulfur

**Natural hazards:** periodic droughts, floods; dust storms, sandstorms; earthquakes along western border and in the northeast

**Environment—current issues:** air pollution, especially in urban areas, from vehicle emissions, refinery operations, and industrial effluents; deforestation; overgrazing; desertification; oil pollution in the Persian Gulf; inadequate supplies of potable water

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Marine Dumping, Nuclear Test Ban, Ozone Layer Protection, Wetlands

*signed, but not ratified:* Environmental Modification, Law of the Sea, Marine Life Conservation

## PEOPLE

**Ethnic groups:** Persian 51%, Azerbaijani 24%, Gilaki and Mazandarani 8%, Kurd 7%, Arab 3%, Lur 2%, Baloch 2%, Turkmen 2%, other 1%

**Religions:** Shi'a Muslim 89%, Sunni Muslim 10%, Zoroastrian, Jewish, Christian, and Baha'i 1%

**Languages:** Persian and Persian dialects 58%, Turkic and Turkic dialects 26%, Kurdish 9%, Luri 2%, Balochi 1%, Arabic 1%, Turkish 1%, other 2%

## GOVERNMENT

**Data code:** IR

**Government type:** theocratic republic

**Independence:** 1 April 1979 (Islamic Republic of Iran proclaimed)

**Legal system:** the Constitution codifies Islamic principles of government

**Diplomatic representation in the US:** none; note—Iran has an Interests Section in the Pakistani Embassy, headed by Fariborz JAHANSUZAN; address: Iranian Interests Section, Pakistani Embassy, 2209 Wisconsin Avenue NW, Washington, DC 20007; telephone: [1] (202) 965-4990

**Diplomatic representation from the US:** none; note—protecting power in Iran is Switzerland

## **ECONOMY**

**Economy—overview:** Iran's economy is a mixture of central planning, state ownership of oil and other large enterprises, village agriculture, and small-scale private trading and service ventures. President KHATAMI has continued to follow the market reform plans of former President RAFSANJANI and has indicated that he will pursue diversification of Iran's oil-reliant economy although he has made little progress toward that goal. In the early 1990s, Iran experienced a financial crisis and was forced to reschedule \$15 billion in debt. The strong oil market in 1996 helped ease financial pressures on Iran and allowed for Tehran's timely debt service payments. Iran's financial situation tightened in 1997 and deteriorated further in 1998 because of lower oil prices. As a result Iran has begun to cut imports and fall into arrears on its debt payments.

**Labor force—by occupation:** agriculture 33%, manufacturing 21% (1988 est.)

**Industries:** petroleum, petrochemicals, textiles, cement and other construction materials, food processing (particularly sugar refining and vegetable oil production), metal fabricating, armaments

**Agriculture—products:** wheat, rice, other grains, sugar beets, fruits, nuts, cotton; dairy products, wool; caviar

**Exports:** \$12.2 billion (f.o.b., 1998 est.)

**Exports—commodities:** petroleum 80%, carpets, fruits, nuts, hides, iron, steel

**Exports—partners:** Japan, Italy, Greece, France, Spain, South Korea

**Imports:** \$13.8 billion (f.o.b., 1998 est.)

**Imports—commodities:** machinery, military supplies, metal works, foodstuffs, pharmaceuticals, technical services, refined oil products

**Imports—partners:** Germany, Italy, Japan, UAE, UK, Belgium

**Currency:** 10 Iranian rials (IR) = 1 toman; note—domestic figures are generally referred to in terms of the toman

**Exchange rates:** Iranian rials (IR) per US\$1—1,754.63 (January 1999), 1,751.86 (1998), 1,752.92 (1997), 1,750.76 (1996), 1,747.93 (1995), 1,748.75 (1994); black market rate: 7,000 rials per US\$1 (December 1998); note—as of May 1995, the "official rate" of 1,750 rials per US\$1 is used for imports of essential goods and services and for oil exports, whereas the "official export rate" of 3,000 rials per US\$1 is used for non-oil exports and imports not covered by the official rate

## **COMMUNICATION**

### **Telephone system:**

*domestic:* 25 regional telecommunications authorities created in 1996; these authorities are responsible for implementing paging services and cellular systems; microwave radio relay extends throughout the country with the system centered in Tehran; system is moving toward digitization and direct-dial capability; 255 long-distance circuits (1999 est.); 366 telephone exchanges (1995 est.); 204,400 microwave channels (1996 est.); 230,000 cellular telephone subscribers (1997 est.); 3,930 pager subscribers (1995 est.)

*international:* 13,985 international circuits (1999 est.) with a plan to reach 14,000 by March 1999; satellite earth stations—9 Intelsat (with 50 terminals) and 4 Inmarsat; HF radio and microwave radio relay to Turkey, Azerbaijan, Pakistan, Afghanistan, Turkmenistan, Syria, Kuwait, Tajikistan, and Uzbekistan; submarine fiber-optic cable to UAE with access to Fiber-Optic Link Around the Globe (FLAG); Trans Asia Europe (TAE) fiber-optic line runs from Azerbaijan through the northern portion of Iran to Turkmenistan with expansion to Georgia and Azerbaijan; four Internet service providers as of 1997 with the number increasing (service limited to electronic mail to promote Iranian culture)

**Radio broadcast stations:** AM 72, FM 6, shortwave 5 (1998 est.)

**Television broadcast stations:** 28 (in addition, there are 450 low-power repeaters, all government controlled)



# Kazakhstan

**CHEETAH STATUS** No information

**Background:** As a republic within the USSR (1920-91), Kazakhstan suffered greatly from Stalinist purges, from environmental damage, and saw the ethnic Russian portion of its population rise to 37% while other non-Kazakhs made up almost 20%. Current issues include the pace of market reform and privatization; fair and free elections and democratic reform; ethnic differences between Russians and Kazakhs; environmental problems; and how to convert the country's abundant energy resources into a better standard of living.

## GEOGRAPHY

**Climate:** continental, cold winters and hot summers, arid and semiarid

**Terrain:** extends from the Volga to the Altai Mountains and from the plains in western Siberia to oases and desert in Central Asia

**Natural resources:** major deposits of petroleum, natural gas, coal, iron ore, manganese, chrome ore, nickel, cobalt, copper, molybdenum, lead, zinc, bauxite, gold, uranium

**Natural hazards:** earthquakes in the south, mudslides around Almaty

**Environment—current issues:** radioactive or toxic chemical sites associated with its former defense industries and test ranges are found throughout the country and pose health risks for humans and animals; industrial pollution is severe in some cities; because the two main rivers which flowed into the Aral Sea have been diverted for irrigation, it is drying up and leaving behind a harmful layer of chemical pesticides and natural salts; these substances are then picked up by the wind and blown into noxious dust storms; pollution in the Caspian Sea; soil pollution from overuse of agricultural chemicals and salination from faulty irrigation practices

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Ozone Layer Protection, Ship Pollution  
*signed, but not ratified:* none of the selected agreements

**Geography—note:** landlocked

## PEOPLE

**Ethnic groups:** Kazakh (Qazaq) 46%, Russian 34.7%, Ukrainian 4.9%, German 3.1%, Uzbek 2.3%, Tatar 1.9%, other 7.1% (1996)

**Religions:** Muslim 47%, Russian Orthodox 44%, Protestant 2%, other 7%

**Languages:** Kazakh (Qazaq) (state language) 40%, Russian (official, used in everyday business) 66%

## GOVERNMENT

**Data code:** KZ

**Government type:** republic

**Independence:** 16 December 1991 (from the Soviet Union)

**Legal system:** based on civil law system

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Bolat K. NURGALIYEV

*chancery:* 1401 16th Street, NW, Washington, DC 20036

*telephone:* [1] (202) 232-5488

*FAX:* [1] (202) 232-5845

*consulate(s):* New York

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Richard H. JONES

*embassy:* 99/97A Furmanova Street, Almaty, Republic of Kazakhstan 480091

*mailing address:* American Embassy Almaty, Department of State, Washington, DC 20521-7030

*telephone:* [7] (3272) 63-39-21, 63-13-75, 50-76-23

*FAX:* [7] (3272) 63-38-83

## ECONOMY

**Economy—overview:** Kazakhstan, the second largest of the former Soviet republics in territory, possesses enormous untapped fossil fuel reserves as well as plentiful supplies of other minerals and metals. It also has considerable agricultural potential with its vast steppe lands accommodating both livestock and grain production. Kazakhstan's industrial sector rests on the extraction and processing of these natural resources and also on a relatively large machine building sector specializing in construction equipment, tractors, agricultural machinery, and some defense items. The breakup of the USSR and the collapse of demand for Kazakhstan's traditional heavy industry products have resulted in a sharp contraction of the economy since 1991, with the steepest annual decline occurring in 1994. In 1995-97 the pace of the government program of economic reform and privatization quickened, resulting in a substantial shifting of assets into the private sector. The December 1996 signing of the Caspian Pipeline Consortium agreement to build a new pipeline from western Kazakhstan's Tengiz oil field to the Black Sea increases prospects for substantially larger oil exports in several years. Kazakhstan's economy turned downward in 1998 with a 2.5% decline in GDP growth due to slumping oil prices and the August financial crisis in Russia. 1999 will also be a difficult year.

**Labor force—by occupation:** industry 27%, agriculture and forestry 23%, other 50% (1996)

**Industries:** oil, coal, iron ore, manganese, chromite, lead, zinc, copper, titanium, bauxite, gold, silver, phosphates, sulfur, iron and steel, nonferrous metal, tractors and other agricultural machinery, electric motors, construction materials; much of industrial capacity is shut down and/or is in need of repair

**Agriculture—products:** grain (mostly spring wheat), cotton; wool, livestock

**Exports:** \$6.3 billion (1998 est.)

**Exports—commodities:** oil, ferrous and nonferrous metals, chemicals, grain, wool, meat, coal

**Exports—partners:** Russia, UK, Ukraine, Uzbekistan, Netherlands, China, Italy, Germany (1997)

**Imports:** \$7.4 billion (1998 est.)

**Imports—commodities:** machinery and parts, industrial materials, oil and gas, consumer goods

**Imports—partners:** Russia, Ukraine, US, Uzbekistan, Turkey, UK, Germany, South Korea (1997)

**Currency:** 1 Kazakhstani tenge = 100 tiyn

**Exchange rates:** tenges per US\$1—85.2 (February 1999), 78.30 (1998), 75.44 (1997), 67.30 (1996), 60.95 (1995), 35.54 (1994)

## COMMUNICATION

**Telephone system:** service is poor

*domestic:* landline and microwave radio relay; AMPS standard cellular systems are available in most of Kazakhstan

*international:* international traffic with other former Soviet republics and China carried by landline and microwave radio relay and with other countries by satellite and through 8 international telecommunications circuits at the Moscow international gateway switch; satellite earth stations—1 Intelsat and a new digital satellite earth station established at Almaty; a third satellite earth station at Atyrau provides teleconnectivity to the AT&T network via Intelsat; cable connected by the Trans-Asia-Europe Fiber-Optic Line

**Radio broadcast stations:** AM NA, FM NA, shortwave NA

**Television broadcast stations:** 20 (of which at least eight are government stations and at least 12 are private stations—seven of those are satellite TV relay stations) (1997)

## Kenya

### CHEETAH STATUS

*Population.* Estimation of 1,200 animals<sup>30</sup>. Species still occurs throughout the country, except in forests, montane moorland, swamps, and areas of dense human settlement and cultivation. Cheetahs are absent in western Kenya, the more densely populated parts of Central Province, and most parts of the coastal strip. Its distribution coincides with the distribution of Thompson's gazelle, Grant's gazelle, and gerenuk. Cheetah occur throughout most of the arid northern and north eastern parts of Kenya. Although this area is vast and mostly unpatrolled and poaching is on the increase<sup>30</sup>. Populations of cheetahs are found in the following national parks and reserves; Nairobi National Park (114 km<sup>2</sup>), Tsavo National Park (20,821 km<sup>2</sup>), Amboseli National Park (329 km<sup>2</sup>), Meru National Park (870 km<sup>2</sup>), Samburu-Isiolo Reserve (504 km<sup>2</sup>), Kora Reserve (1500 km<sup>2</sup>), Masai Mara Reserve (1510 km<sup>2</sup>), Marsabit Reserve (2088 km<sup>2</sup>), Tana River Reserve (165 km<sup>2</sup>). All hunting of cheetah is completely banned. Exports of live cheetah stopped in the 1960's.

*Principal Threats.* Poaching, habitat loss, competition with agriculture and farming development.

### GEOGRAPHY

**Climate:** varies from tropical along coast to arid in interior

**Terrain:** low plains rise to central highlands bisected by Great Rift Valley; fertile plateau in west

**Natural resources:** gold, limestone, soda ash, salt barites, rubies, fluor spar, garnets, wildlife

**Natural hazards:** recurring drought in northern and eastern regions; flooding during rainy seasons

**Environment—current issues:** water pollution from urban and industrial wastes; degradation of water quality from increased use of pesticides and fertilizers; deforestation; soil erosion; desertification; poaching

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Law of the Sea, Marine Dumping, Marine Life Conservation, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Wetlands, Whaling

### PEOPLE

**Ethnic groups:** Kikuyu 22%, Luhya 14%, Luo 13%, Kalenjin 12%, Kamba 11%, Kisii 6%, Meru 6%, other African 15%, non-African (Asian, European, and Arab) 1%

**Religions:** Protestant 38%, Roman Catholic 28%, indigenous beliefs 26%, Muslim 7%, other 1%

**Languages:** English (official), Swahili (official), numerous indigenous languages

### GOVERNMENT

**Data code:** KE

**Government type:** republic

**Independence:** 12 December 1963 (from UK)

**Legal system:** based on English common law, tribal law, and Islamic law; judicial review in High Court; accepts compulsory ICJ jurisdiction, with reservations; constitutional amendment of 1982 making Kenya a de jure one-party state repealed in 1991

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Samuel K. CHEMAI

*chancery:* 2249 R Street NW, Washington, DC 20008

*telephone:* [1] (202) 387-6101

*FAX:* [1] (202) 462-3829

*consulate(s) general:* Los Angeles and New York

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Prudence B. BUSHNELL

*embassy:* USAID Building, The Crescent, Parklands, Nairobi (temporary location)

*mailing address:* P. O. Box 30137, Box 21A, Unit 64100, APO AE 09831

*telephone:* [254] (2) 751613

*FAX:* [254] (2) 743204

### ECONOMY

**Economy—overview:** Since 1993, the government of Kenya has implemented a program of economic liberalization and reform. Steps have included the removal of import licensing and price controls, removal of foreign exchange controls, fiscal and monetary restraint, and reduction of the public sector through privatizing publicly owned companies and downsizing the civil service. With the support of the World Bank, IMF, and other donors, these reforms have led to a turnaround in economic performance following a period of negative growth in the early 1990s. Kenya's real GDP grew at 5% in 1995 and 4% in 1996, and inflation remained under control. Growth slowed in 1997-98. Political violence damaged the tourist industry, and the IMF allowed Kenya's Enhanced Structural Adjustment Program to lapse due to the government's failure to enact reform conditions and to adequately address public sector corruption. Moreover, El Nino rains destroyed crops and damaged an already crumbling infrastructure in 1997 and 1998. Long-term barriers to development include electricity shortages, the government's continued and inefficient dominance of key sectors, endemic corruption, and the country's high population growth rate.

**Labor force—by occupation:** agriculture 75%-80%, nonagriculture 20%-25%

**Industries:** small-scale consumer goods (plastic, furniture, batteries, textiles, soap, cigarettes, flour), agricultural products processing; oil refining, cement; tourism

**Agriculture—products:** coffee, tea, corn, wheat, sugarcane, fruit, vegetables; dairy products, beef, pork, poultry, eggs

**Exports:** \$2 billion (f.o.b., 1998)

**Exports—commodities:** tea 18%, coffee 15%, petroleum products (1995)

**Exports—partners:** Uganda 16.1%, Tanzania 12.8%, UK 10.4%, Germany 7.5% (1996)

**Imports:** \$3.05 billion (f.o.b., 1998)

**Imports—commodities:** machinery and transportation equipment 31%, consumer goods 13%, petroleum products 12% (1995)

**Imports—partners:** UK 13.2%, UAE 8.2%, South Africa 7.6%, Germany 7.4% (1996)

**Currency:** 1 Kenyan shilling (KSh) = 100 cents

**Exchange rates:** Kenyan shillings (KSh) per US\$1—61.802 (January 1999), 60.367 (1998), 58.732 (1997), 57.115 (1996), 51.430 (1995), 56.051 (1994)

## COMMUNICATION

### Telephone system:

*domestic:* primarily microwave radio relay

*international:* satellite earth stations—4 Intelsat

**Radio broadcast stations:** AM 24, FM 7, shortwave 2

**Television broadcast stations:** 8 (of which six are government-controlled and two are commercial) (1997)

# Malawi

## CHEETAH STATUS

*Population.* Estimated at 50<sup>62</sup>. Absent in southern part of the country. A small population still exists in the western parks and a few individuals around Chiperi area south of Kasurgu Park. Animals seen to be coming and going from Zambia into parks with very few resident individuals in Malawi parks. There have been sightings of individual cheetah in Nyika National Park (3134 km<sup>2</sup>), Vwaza Marsh Game Reserve (986 km<sup>2</sup>), and Kasungu National Park (2316 km<sup>2</sup>)<sup>27</sup>.

*Principal Threats.* Human population growth, loss of habitat and poaching.

## GEOGRAPHY

**Climate:** tropical; rainy season (November to May); dry season (May to November)

**Terrain:** narrow elongated plateau with rolling plains, rounded hills, some mountains

**Natural resources:** limestone, unexploited deposits of uranium, coal, and bauxite

**Natural hazards:** NA

**Environment—current issues:** deforestation; land degradation; water pollution from agricultural runoff, sewage, industrial wastes; siltation of spawning grounds endangers fish populations

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Environmental Modification, Hazardous Wastes, Marine Life Conservation, Nuclear Test Ban, Ozone Layer Protection, Wetlands

*signed, but not ratified:* Law of the Sea

## PEOPLE

**Ethnic groups:** Chewa, Nyanja, Tumbuko, Yao, Lomwe, Sena, Tonga, Ngoni, Ngonde, Asian, European

**Religions:** Protestant 55%, Roman Catholic 20%, Muslim 20%, traditional indigenous beliefs

**Languages:** English (official), Chichewa (official), other languages important regionally

## GOVERNMENT

**Data code:** MI

**Government type:** multiparty democracy

**Independence:** 6 July 1964 (from UK)

**Legal system:** based on English common law and customary law; judicial review of legislative acts in the Supreme Court of Appeal; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Willie CHOKANI

*chancery:* 2408 Massachusetts Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 797-1007

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Amelia Ellen SHIPPY

*embassy:* address NA, in new development area in Lilongwe

*mailing address:* P. O. Box 30016, Lilongwe 3, Malawi

*telephone:* [265] 783 166

*FAX:* [265] 780 471

## ECONOMY

**Economy—overview:** Landlocked Malawi ranks among the world's least developed countries. The economy is predominately agricultural, with about 90% of the population living in rural areas. Agriculture accounts for 45% of GDP and 90% of export revenues. The economy depends on substantial inflows of economic assistance from the IMF, the World Bank, and individual donor nations. The new government faces strong challenges, e.g., to spur exports, to improve educational and health facilities, and to deal with environmental problems of deforestation and erosion

**Labor force—by occupation:** agriculture 86%, wage earners 14% (1990 est.)

**Industries:** tea, tobacco, sugar, sawmill products, cement, consumer goods

**Agriculture—products:** tobacco, sugarcane, cotton, tea, corn, potatoes, cassava (tapioca), sorghum, pulses; cattle, goats

**Exports:** \$405 million (f.o.b., 1995)

**Exports—commodities:** tobacco, tea, sugar, coffee, peanuts, wood products

**Exports—partners:** US, South Africa, Germany, Japan

**Imports:** \$475 million (f.o.b., 1995)

**Imports—commodities:** food, petroleum products, semimanufactures, consumer goods, transportation equipment

**Imports—partners:** South Africa, Zimbabwe, Japan, US, UK, Germany

**Currency:** 1 Malawian kwacha (MK) = 100 tambala

**Exchange rates:** Malawian kwachas (MK) per US\$1—43.5426 (January 1999), 31.0727 (1998), 16.4442 (1997), 15.3085 (1996), 15.2837 (1995), 8.7364 (1994)

## COMMUNICATION

### **Telephone system:**

*domestic:* fair system of open-wire lines, microwave radio relay links, and radiotelephone communications stations

*international:* satellite earth stations—2 Intelsat (1 Indian Ocean and 1 Atlantic Ocean)

**Radio broadcast stations:** AM 10, FM 17, shortwave 0

**Television broadcast stations:** 0 (1997 est.)

# Mali

## CHEETAH STATUS

**Population.** Estimated to be 200 to 50062, believed to be much less than this currently<sup>71</sup>. Probably a small population still exists in the north west of the country bordering Mauritania and in the south part of Adghagh nquote Ifoga chain, where cheetah have been reported in late 1970's<sup>71</sup>. In 1990 skins were found for sale in Tibuta, north Mali<sup>46</sup>. There were a few cheetahs in Gurma National Park in the 1970's<sup>71</sup>.

**Principal Threats.** Decline of prey, poaching, environmental desiccation and reduction of habitat due to drought conditions.

## GEOGRAPHY

**Climate:** subtropical to arid; hot and dry February to June; rainy, humid, and mild June to November; cool and dry November to February

**Terrain:** mostly flat to rolling northern plains covered by sand; savanna in south, rugged hills in northeast

**Natural resources:** gold, phosphates, kaolin, salt, limestone, uranium, bauxite, iron ore, manganese, tin, and copper deposits are known but not exploited

**Natural hazards:** hot, dust-laden harmattan haze common during dry seasons; recurring droughts

**Environment—current issues:** deforestation; soil erosion; desertification; inadequate supplies of potable water; poaching

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Law of the Sea, Ozone Layer Protection, Wetlands

*signed, but not ratified:* Climate Change-Kyoto Protocol, Nuclear Test Ban

## PEOPLE

**Ethnic groups:** Mande 50% (Bambara, Malinke, Sarakole), Peul 17%, Voltaic 12%, Songhai 6%, Tuareg and Moor 10%, other 5%

**Religions:** Muslim 90%, indigenous beliefs 9%, Christian 1%

**Languages:** French (official), Bambara 80%, numerous African languages

## GOVERNMENT

**Data code:** ML

**Government type:** republic

**Independence:** 22 September 1960 (from France)

**Legal system:** based on French civil law system and customary law; judicial review of legislative acts in Constitutional Court (which was formally established on 9 March 1994); has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Cheick Oumar DIARRAH

*chancery:* 2130 R Street NW, Washington, DC 20008

*telephone:* [1] (202) 332-2249, 939-8950

*FAX:* [1] (202) 332-6603

**Diplomatic representation from the US:**

*chief of mission:* Ambassador David P. RAWSON

*embassy:* Rue Rochester NY and Rue Mohamed V, Bamako

*mailing address:* B. P. 34, Bamako

*telephone:* [223] 22 54 70

*FAX:* [223] 22 37 12

## ECONOMY

**Economy—overview:** Mali is among the poorest countries in the world, with 65% of its land area desert or semidesert. Economic activity is largely confined to the riverine area irrigated by the Niger. About 10% of the population is nomadic and some 80% of the labor force is engaged in farming and fishing. Industrial activity is concentrated on processing farm commodities. Mali is heavily dependent on foreign aid and vulnerable to fluctuations in world prices for cotton, its main export. In 1997, the

program that is helping the economy grow, diversify, and attract foreign investment. Mali's adherence to economic reform, and the 50% devaluation of the African franc in January 1994, has pushed up economic growth. Several multinational corporations increased gold mining operations in 1996-98, and the government anticipates that Mali will become a major Sub-Saharan gold exporter in the next few years. Annual growth thus may fall in the 5% range in 1999-2000, and inflation held to 5% or less.

**Labor force—by occupation:** agriculture and fishing 80% (1998 est.)

**Industries:** minor local consumer goods production and food processing; construction; phosphate and gold mining

**Agriculture—products:** cotton, millet, rice, corn, vegetables, peanuts; cattle, sheep, goats

**Exports:** \$590 million (f.o.b., 1998 est.)

**Exports—commodities:** cotton 50%, gold, livestock (1998 est.)

**Exports—partners:** Thailand 20%, Italy 20%, China 9%, Brazil, franc zone (1997)

**Imports:** \$600 million (f.o.b., 1998 est.)

**Imports—commodities:** machinery and equipment, construction materials, petroleum, foodstuffs, textiles

**Imports—partners:** Cote d'Ivoire 19%, France 17%, other franc zone and EU countries (1997)

**Currency:** 1 Communaute Financiere Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communaute Financiere Africaine francs (CFAF) per US\$1—567.81 (January 1999), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

**Telephone system:** domestic system poor but improving; provides only minimal service

*domestic:* network consists of microwave radio relay, open wire, and radiotelephone communications stations; expansion of microwave radio relay in progress

*international:* satellite earth stations—2 Intelsat (1 Atlantic Ocean and 1 Indian Ocean)

**Radio broadcast stations:** AM 2, FM 2, shortwave 1

**Television broadcast stations:** 1 (in addition, there are two repeaters) (1997)



# Mauritania

## CHEETAH STATUS

*Population.* Estimated at 100<sup>82</sup>. Once widely distributed, now relic populations perhaps survive in parts of Gaza and Inhambane Provinces and south of the Zambezi River, and in the southern regions of Tete Province<sup>93</sup>. The Tete Region is believed to be absent of cheetah now<sup>82</sup>. The Gorongosa National Park (3,770 km<sup>2</sup>) had a small population of cheetah<sup>93</sup>.

*Principal Threats.* Poaching due to civil war situation, lack of enforced protection.

## GEOGRAPHY

**Climate:** tropical to subtropical

**Terrain:** mostly coastal lowlands, uplands in center, high plateaus in northwest, mountains in west

**Natural resources:** coal, titanium, natural gas

**Natural hazards:** severe droughts and floods occur in central and southern provinces; devastating cyclones

**Environment—current issues:** a long civil war and recurrent drought in the hinterlands have resulted in increased migration of the population to urban and coastal areas with adverse environmental consequences; desertification; pollution of surface and coastal waters

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** indigenous tribal groups 99.66% (Shangaan, Chokwe, Manyika, Sena, Makua, and others), Europeans 0.06%, Euro-Africans 0.2%, Indians 0.08%

**Religions:** indigenous beliefs 50%, Christian 30%, Muslim 20%

**Languages:** Portuguese (official), indigenous dialects

## GOVERNMENT

**Data code:** MZ

**Government type:** republic

**Independence:** 25 June 1975 (from Portugal)

**Legal system:** based on Portuguese civil law system and customary law

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Marcos Geraldo NAMASHULUA

*chancery:* Suite 570, 1990 M Street NW, Washington, DC 20036

*telephone:* [1] (202) 293-7146

*FAX:* [1] (202) 835-0245

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Bryan Dean CURRAN

*embassy:* Avenida Kenneth Kuanda 193, Maputo

*mailing address:* P. O. Box 783, Maputo

*telephone:* [258] (1) 492797

*FAX:* [258] (1) 490114

## ECONOMY

**Economy—overview:** Before the peace accord of October 1992, Mozambique's economy was devastated by a protracted civil war and socialist mismanagement. In 1994, it ranked as one of the poorest countries in the world. Since then, Mozambique has undertaken a series of economic reforms. Almost all aspects of the economy have been liberalized to some extent. More than 900 state enterprises have been privatized. Pending are tax and much needed commercial code reform, as well as greater private sector involvement in the transportation, telecommunications, and energy sectors. Since 1996, inflation has been low and foreign exchange rates stable. Albeit from a small base, Mozambique achieved one of the highest growth rates in the world in 1997-98. Still, the country depends on foreign assistance to balance the budget and to pay for a trade imbalance in which imports outnumber exports by three to one. The medium term outlook for the country looks bright as trade and transportation

links to South Africa and the rest of the region are expected to improve and sizable foreign investments materialize. Among these investments are metal production (aluminum, steel), natural gas, power generation, agriculture (cotton, sugar), fishing, timber, and transportation services. Additional exports in these areas should bring in needed foreign exchange.

**Labor force—by occupation:** agriculture 80%, industry 9.5%, services 5.5%, wage earners working abroad 5%

**Industries:** food, beverages, chemicals (fertilizer, soap, paints), petroleum products, textiles, cement, glass, asbestos, tobacco

**Exports:** \$295 million (f.o.b., 1998 est.)

**Exports—commodities:** shrimp 40%, cashews, cotton, sugar, copra, citrus (1997)

**Exports—partners:** Spain 17%, South Africa 16%, Portugal 12%, US 10%, Japan, Malawi, India, Zimbabwe (1996)

**Imports:** \$965 million (c.i.f., 1998 est.)

**Imports—commodities:** food, clothing, farm equipment, petroleum (1997)

**Imports—partners:** South Africa 55%, Zimbabwe 7%, Saudi Arabia 5%, Portugal 4%, US, Japan, India (1996 est.)

**Currency:** 1 metical (Mt) = 100 centavos

**Exchange rates:** meticais (Mt) per US\$1—12,394.0 (January 1999), 11,874.6 (1998), 11,543.6 (1997), 11,293.8 (1996), 9,024.3 (1995), 6,038.6 (1994)

## COMMUNICATION

**Telephone system:** fair system of tropospheric scatter, open-wire lines, and microwave radio relay  
*domestic:* microwave radio relay and tropospheric scatter

*international:* satellite earth stations—5 Intelsat (2 Atlantic Ocean and 3 Indian Ocean)

**Radio broadcast stations:** AM 29, FM 4, shortwave 0

**Television broadcast stations:** 1 (1997)

e to the disappearance of their main prey, the Mhorr gazelle and decrease of dorcas gazelle) and Tidjika. No cheetahs exist in conservation areas<sup>71</sup>.

*Principal Threats.* Decline of prey, poaching, environmental desiccation and reduction of habitat.

*Taxonomy.* Northern Mauritania are *A.j. venaticus* and in the south, *A.j. hecki*.

## GEOGRAPHY

**Climate:** desert; constantly hot, dry, dusty

**Terrain:** mostly barren, flat plains of the Sahara; some central hills

**Natural resources:** iron ore, gypsum, fish, copper, phosphate

**Natural hazards:** hot, dry, dust/sand-laden sirocco wind blows primarily in March and April; periodic droughts

**Environment—current issues:** overgrazing, deforestation, and soil erosion aggravated by drought are contributing to desertification; very limited natural fresh water resources away from the Senegal which is the only perennial river

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Hazardous Wastes, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Wetlands

## PEOPLE

**Ethnic groups:** mixed Maur/black 40%, Maur 30%, black 30%

**Religions:** Muslim 100%

**Languages:** Hasaniya Arabic (official), Pular, Soninke, Wolof (official), French

## GOVERNMENT

**Data code:** MR

**Government type:** republic

**Independence:** 28 November 1960 (from France)

**Legal system:** a combination of Shari'a (Islamic law) and modern law

**Diplomatic representation in the US:**

*chief of mission:* Ambassador-designate Ahmed Ould Khalifa OULD JIDDOU

*chancery:* 2129 Leroy Place NW, Washington, DC 20008

*telephone:* [1] (202) 232-5700

*FAX:* [1] (202) 319-2623

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Timberlake FOSTER

*embassy:* Rue Abdallahi Ould Oubeid, Nouakchott

*mailing address:* B. P. 222, Nouakchott

*telephone:* [222] (2) 526-60, 526-63

*FAX:* [222] (2) 515-92

## ECONOMY

**Economy—overview:** A majority of the population still depends on agriculture and livestock for a livelihood, even though most of the nomads and many subsistence farmers were forced into the cities by recurrent droughts in the 1970s and 1980s. Mauritania has extensive deposits of iron ore, which account for almost 50% of total exports. The decline in world demand for this ore, however, has led to cutbacks in production. The nation's coastal waters are among the richest fishing areas in the world, but overexploitation by foreigners threatens this key source of revenue. The country's first deepwater port opened near Nouakchott in 1986. In recent years, drought and economic mismanagement have resulted in a substantial buildup of foreign debt. The government has begun the second stage of an economic reform program in consultation with the World Bank, the IMF, and major donor countries. Short-term growth prospects are uncertain because of the heavy debt service burden, rapid population growth, and vulnerability to climatic conditions.

**Labor force—by occupation:** agriculture 47%, services 29%, industry and commerce 14%, government 10%

**Industries:** fish processing, mining of iron ore and gypsum

**Agriculture—products:** dates, millet, sorghum, root crops; cattle, sheep; fish products

**Exports:** \$562 million (f.o.b., 1997)

**Exports—commodities:** fish and fish products, iron ore, gold

**Exports—partners:** Japan 22%, Italy 16%, France 14%

**Imports:** \$552 million (f.o.b., 1997)

**Imports—commodities:** foodstuffs, consumer goods, petroleum products, capital goods

**Imports—partners:** France 30%, Algeria 10%, Spain 7%, China 6%, US 3%

**Currency:** 1 ouguiya (UM) = 5 khoums

**Exchange rates:** ouguiyas (UM) per US\$1—204.600 (January 1999), 151.853 (1997), 137.222 (1996), 129.768 (1995), 123.575 (1994)

## COMMUNICATION

**Telephone system:** poor system of cable and open-wire lines, minor microwave radio relay links, and radiotelephone communications stations (improvements being made)

*domestic:* mostly cable and open-wire lines; a recently completed domestic satellite

telecommunications system links Nouakchott with regional capitals

*international:* satellite earth stations—1 Intelsat (Atlantic Ocean) and 2 Arabsat

**Radio broadcast stations:** AM 1, FM 2, shortwave 1 (1998 est.)

**Television broadcast stations:** 1 (1997)

# Mozambique

## CHEETAH STATUS

*Population.* Estimated at 100<sup>82</sup>. Once widely distributed, now relic populations perhaps survive in parts of Gaza and Inhambane Provinces and south of the Zambezi River, and in the southern regions of Tete Province<sup>93</sup>. The Tete Region is believed to be absent of cheetah now<sup>82</sup>. The Gorongosa National Park (3,770 km<sup>2</sup>) had a small population of cheetah<sup>93</sup>.

*Principal Threats.* Poaching due to civil war situation, lack of enforced protection.

## GEOGRAPHY

**Climate:** tropical to subtropical

**Terrain:** mostly coastal lowlands, uplands in center, high plateaus in northwest, mountains in west

**Natural resources:** coal, titanium, natural gas

**Natural hazards:** severe droughts and floods occur in central and southern provinces; devastating cyclones

**Environment—current issues:** a long civil war and recurrent drought in the hinterlands have resulted in increased migration of the population to urban and coastal areas with adverse environmental consequences; desertification; pollution of surface and coastal waters

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** indigenous tribal groups 99.66% (Shangaan, Chokwe, Manyika, Sena, Makua, and others), Europeans 0.06%, Euro-Africans 0.2%, Indians 0.08%

**Religions:** indigenous beliefs 50%, Christian 30%, Muslim 20%

**Languages:** Portuguese (official), indigenous dialects

## GOVERNMENT

**Data code:** MZ

**Government type:** republic

**Independence:** 25 June 1975 (from Portugal)

**Legal system:** based on Portuguese civil law system and customary law

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Marcos Geraldo NAMASHULUA

*chancery:* Suite 570, 1990 M Street NW, Washington, DC 20036

*telephone:* [1] (202) 293-7146

*FAX:* [1] (202) 835-0245

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Bryan Dean CURRAN

*embassy:* Avenida Kenneth Kuanda 193, Maputo

*mailing address:* P. O. Box 783, Maputo

*telephone:* [258] (1) 492797

*FAX:* [258] (1) 490114

## ECONOMY

**Economy—overview:** Before the peace accord of October 1992, Mozambique's economy was devastated by a protracted civil war and socialist mismanagement. In 1994, it ranked as one of the poorest countries in the world. Since then, Mozambique has undertaken a series of economic reforms. Almost all aspects of the economy have been liberalized to some extent. More than 900 state enterprises have been privatized. Pending are tax and much needed commercial code reform, as well as greater private sector involvement in the transportation, telecommunications, and energy sectors. Since 1996, inflation has been low and foreign exchange rates stable. Albeit from a small base, Mozambique achieved one of the highest growth rates in the world in 1997-98. Still, the country depends on foreign assistance to balance the budget and to pay for a trade imbalance in which imports outnumber exports by three to one. The medium-term outlook for the country looks bright, as trade and transportation

materialize. Among these investments are metal production (aluminum, steel), natural gas, power generation, agriculture (cotton, sugar), fishing, timber, and transportation services. Additional exports in these areas should bring in needed foreign exchange.

**Labor force—by occupation:** agriculture 80%, industry 9.5%, services 5.5%, wage earners working abroad 5%

**Industries:** food, beverages, chemicals (fertilizer, soap, paints), petroleum products, textiles, cement, glass, asbestos, tobacco

**Exports:** \$295 million (f.o.b., 1998 est.)

**Exports—commodities:** shrimp 40%, cashews, cotton, sugar, copra, citrus (1997)

**Exports—partners:** Spain 17%, South Africa 16%, Portugal 12%, US 10%, Japan, Malawi, India, Zimbabwe (1996)

**Imports:** \$965 million (c.i.f., 1998 est.)

**Imports—commodities:** food, clothing, farm equipment, petroleum (1997)

**Imports—partners:** South Africa 55%, Zimbabwe 7%, Saudi Arabia 5%, Portugal 4%, US, Japan, India (1996 est.)

**Currency:** 1 metical (Mt) = 100 centavos

**Exchange rates:** meticais (Mt) per US\$1—12,394.0 (January 1999), 11,874.6 (1998), 11,543.6 (1997), 11,293.8 (1996), 9,024.3 (1995), 6,038.6 (1994)

## COMMUNICATION

**Telephone system:** fair system of tropospheric scatter, open-wire lines, and microwave radio relay  
*domestic:* microwave radio relay and tropospheric scatter

*international:* satellite earth stations—5 Intelsat (2 Atlantic Ocean and 3 Indian Ocean)

**Radio broadcast stations:** AM 29, FM 4, shortwave 0

**Television broadcast stations:** 1 (1997)

# Namibia

## CHEETAH STATUS

*Population.* Estimated at 2,000-3,000 animals<sup>61, 54</sup>. Still widely spread throughout the country, although only small populations are found in the southern part of the country due to smallstock farming, jackal-proof fences and eradication of predators. Ninety-five percent of the population is on commercial farmlands to the north of the Tropic of Capricorn. Apart from farmlands, very small numbers of animals still occur in communal farming areas of Damaraland, Hereroland, Bushmanland, and Kaokaland. Individual animals are seen in Kavango and Caprivi. Only two conservation areas have populations of cheetah Etosha and the Namib/Naukluft, but only 1.4 to 4% of the population lives in proclaimed conservation areas<sup>61, 52, 82</sup>. Possibly less than 100 animals live in the 2 conservation areas, Etosha National Park (22,270 km<sup>2</sup>) because high predator competition, and Namib/Naukluft National Park (49,768 km<sup>2</sup>), because of low prey density. Although protected game, cheetahs can be killed if livestock is threatened. In January 1992, at the CITES meeting a quota of 150 animals was given to Namibia for live export and trophy hunting<sup>16</sup>.

*Principal Threats.* Live capture and shooting by livestock farmers and game farmers. Cheetahs are easily trapped, in large numbers, on farms that have "cheetah play trees". The trapping is indiscriminate. These animals are then shot as there is little export market for live animals. The majority of the current world's captive population of cheetah has originated from Namibia<sup>53</sup>.

## GEOGRAPHY

**Climate:** desert; hot, dry; rainfall sparse and erratic

**Terrain:** mostly high plateau; Namib Desert along coast; Kalahari Desert in east

**Natural resources:** diamonds, copper, uranium, gold, lead, tin, lithium, cadmium, zinc, salt, vanadium, natural gas, fish; suspected deposits of oil, natural gas, coal, iron ore

**Natural hazards:** prolonged periods of drought

**Environment—current issues:** very limited natural fresh water resources; desertification

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Ozone Layer Protection, Wetlands

## PEOPLE

**Ethnic groups:** black 86%, white 6.6%, mixed 7.4%

*note:* about 50% of the population belong to the Ovambo tribe and 9% to the Kavangos tribe; other ethnic groups are: Herero 7%, Damara 7%, Nama 5%, Caprivian 4%, Bushmen 3%, Baster 2%, Tswana 0.5%

**Religions:** Christian 80% to 90% (Lutheran 50% at least, other Christian denominations 30%), native religions 10% to 20%

**Languages:** English 7% (official), Afrikaans common language of most of the population and about 60% of the white population, German 32%, indigenous languages: Oshivambo, Herero, Nama

## GOVERNMENT

**Data code:** WA

**Government type:** republic

**Independence:** 21 March 1990 (from South African mandate)

**Legal system:** based on Roman-Dutch law and 1990 constitution

**Diplomatic representation in the US:**

*chief of mission:* Ambassador (vacant); Charge d'Affaires Usko SHIVUTE

*chancery:* 1605 New Hampshire Avenue NW, Washington, DC 20009

*telephone:* [1] (202) 986-0540

*FAX:* [1] (202) 986-0443

**Diplomatic representation from the US:**

*chief of mission:* Ambassador George F. WARD, Jr.

*embassy:* Ausplan Building, 14 Lossen St., Private Bag 12029 Aussplanplatz, Windhoek

*mailing address:* use embassy street address

*telephone:* [264] (61) 221601

*FAX:* [264] (61) 229792

## ECONOMY

**Economy—overview:** The economy is heavily dependent on the extraction and processing of minerals for export. Mining accounts for 20% of GDP. Namibia is the fourth-largest exporter of nonfuel minerals in Africa and the world's fifth-largest producer of uranium. Rich alluvial diamond deposits make Namibia a primary source for gem-quality diamonds. Namibia also produces large quantities of lead, zinc, tin, silver, and tungsten. Half of the population depends on agriculture (largely subsistence agriculture) for its livelihood. Namibia must import some of its food. Although per capita GDP is three times the per capita GDP of Africa's poorer countries, the majority of Namibia's people live in pronounced poverty because of the great inequality of income distribution and the large amounts going to foreigners. The Namibian economy has close links to South Africa.

**Labor force—by occupation:** agriculture 49%, industry and commerce 25%, services 5%, government 18%, mining 3% (1994 est.)

**Industries:** meat packing, fish processing, dairy products; mining (diamond, lead, zinc, tin, silver, tungsten, uranium, copper)

**Agriculture—products:** millet, sorghum, peanuts; livestock; fish

**Exports:** \$1.44 billion (f.o.b., 1998 est.)

**Exports—commodities:** diamonds, copper, gold, zinc, lead, uranium; cattle, processed fish, karakul skins

**Exports—partners:** UK 38%, South Africa 24%, Spain 12%, Japan 7% (1996 est.)

**Imports:** \$1.48 billion (f.o.b., 1998 est.)

**Imports—commodities:** foodstuffs; petroleum products and fuel, machinery and equipment, chemicals

**Imports—partners:** South Africa 87%, Germany, US, Japan (1995 est.)

**Currency:** 1 Namibian dollar (N\$) = 100 cents

**Exchange rates:** Namibian dollars (N\$) per US\$1—5.98380 (January 1999), 5.52828 (1998), 4.60796 (1997), 4.29935 (1996), 3.62709 (1995), 3.55080 (1994)

## COMMUNICATION

### **Telephone system:**

*domestic:* good urban services; fair rural service; microwave radio relay links major towns; connections to other populated places are by open wire

*international:* NA

*note:* a fully automated digital network is being implemented

**Radio broadcast stations:** AM 4, FM 40, shortwave 0

**Television broadcast stations:** 8 (of which five are main stations and three are low-power stations; there are also about 20 low-power repeaters) (1997)

# Niger

## CHEETAH STATUS

*Population.* Estimated at 50 to 406<sup>2</sup>. Still found in the Niger Sahel running from Mali to Chad with concentrations of 10 to 15 pairs in the L'Air Tenere Reserve in the northwest central park of the country. A few remain in the Termit Area. In Niger's Park W (the entire tri-country park is over 11,000 km<sup>2</sup> of which Niger's portion is about 2,200 km<sup>2</sup>) in the extreme south west of the country bordering Benin and Burkina Faso there are still cheetah<sup>64, 26, 65, 25</sup>. In a study between 1993 and 1995, 22 cheetah were seen in this park in eight sightings with an estimation of at least nine cheetahs living in the park<sup>86</sup>. Small populations of cheetahs have been recorded in Reserve Naturelle Nationale de L'Air et du Tenere (20 or 30 animals) (77,360 Km<sup>2</sup>).

*Principal Threats.* Poaching, lack of prey species, conflict with livestock.

*Taxonomy.* *A.j. venaticus* in northern Niger and *A.j. hecki* in southern Niger.

## GEOGRAPHY

**Climate:** desert; mostly hot, dry, dusty; tropical in extreme south

**Terrain:** predominately desert plains and sand dunes; flat to rolling plains in south; hills in north

**Natural resources:** uranium, coal, iron ore, tin, phosphates, gold, petroleum

**Natural hazards:** recurring droughts

**Environment—current issues:** overgrazing; soil erosion; deforestation; desertification; wildlife populations (such as elephant, hippopotamus, giraffe, and lion) threatened because of poaching and habitat destruction

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Environmental Modification, Hazardous Wastes, Nuclear Test Ban, Ozone Layer Protection, Wetlands

*signed, but not ratified:* Climate Change-Kyoto Protocol, Law of the Sea

## PEOPLE

**Ethnic groups:** Hausa 56%, Djerma 22%, Fula 8.5%, Tuareg 8%, Beri Beri (Kanouri) 4.3%, Arab, Toubou, and Gourmantche 1.2%, about 1,200 French expatriates

**Religions:** Muslim 80%, remainder indigenous beliefs and Christians

**Languages:** French (official), Hausa, Djerma

## GOVERNMENT

**Data code:** NG

**Government type:** republic

**Independence:** 3 August 1960 (from France)

**Legal system:** based on French civil law system and customary law; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Joseph DIATTA

*chancery:* 2204 R Street NW, Washington, DC 20008

*telephone:* [1] (202) 483-4224 through 4227

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Charles O. CECIL

*embassy:* Rue Des Ambassades, Niamey

*mailing address:* B. P. 11201, Niamey

*telephone:* [227] 72 26 61 through 72 26 64

*FAX:* [227] 73 31 67

## ECONOMY



**Economy—overview:** Niger is a poor, landlocked Sub-Saharan nation, whose economy centers on subsistence agriculture, animal husbandry, reexport trade, and increasingly less on uranium, its major export since the 1970s. The 50% devaluation of the West African franc in January 1994 boosted exports of livestock, cowpeas, onions, and the products of Niger's small cotton industry. The government relies on bilateral and multilateral aid for operating expenses and public investment and is strongly induced to adhere to structural adjustment programs designed by the IMF and the World Bank. Short-term prospects depend largely on upcoming negotiations on debt relief and extended aid.

**Labor force—by occupation:** agriculture 90%, industry and commerce 6%, government 4%

**Industries:** cement, brick, textiles, food processing, chemicals, slaughterhouses, and a few other small light industries; uranium mining

**Agriculture—products:** cowpeas, cotton, peanuts, millet, sorghum, cassava (tapioca), rice; cattle, sheep, goats, camels, donkeys, horses, poultry

**Exports:** \$269 million (f.o.b., 1997)

**Exports—commodities:** uranium ore 50%, livestock products 20%, cowpeas, onions (1996 est.)

**Exports—partners:** Greece 21%, Canada 18%, France 12%, Nigeria 7% (1996 est.)

**Imports:** \$295 million (c.i.f., 1997)

**Imports—commodities:** consumer goods, primary materials, machinery, vehicles and parts, petroleum, cereals

**Imports—partners:** France 17%, Cote d'Ivoire 7%, US 5%, Belgium-Luxembourg 4%, Nigeria (1996 est.)

**Currency:** 1 Communaute Financiere Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communaute Financiere Africaine francs (CFAF) per US\$1—560.01 (January 1999), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

**Telephone system:** small system of wire, radiotelephone communications, and microwave radio relay links concentrated in southwestern area

*domestic:* wire, radiotelephone communications, and microwave radio relay; domestic satellite system with 3 earth stations and 1 planned

*international:* satellite earth stations—2 Intelsat (1 Atlantic Ocean and 1 Indian Ocean)

**Radio broadcast stations:** AM 15, FM 6, shortwave 0

**Television broadcast stations:** 10 (in addition, there are seven low-power repeaters) (1997)

# Nigeria

## CHEETAH STATUS

Extinct<sup>20</sup>. Skins are found for sale in the public market in Lagos which are probably coming from the countries north of Nigeria<sup>87</sup>.

## GEOGRAPHY

**Climate:** varies; equatorial in south, tropical in center, arid in north

**Terrain:** southern lowlands merge into central hills and plateaus; mountains in southeast, plains in north

**Natural resources:** petroleum, tin, columbite, iron ore, coal, limestone, lead, zinc, natural gas

**Natural hazards:** periodic droughts

**Environment—current issues:** soil degradation; rapid deforestation; desertification; recent droughts in north severely affecting marginal agricultural activities

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Marine Dumping, Marine Life Conservation, Nuclear Test Ban, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** Hausa, Fulani, Yoruba, Ibo, Ijaw, Kanuri, Ibibio, Tiv

**Religions:** Muslim 50%, Christian 40%, indigenous beliefs 10%

**Languages:** English (official), Hausa, Yoruba, Ibo, Fulani

## GOVERNMENT

**Data code:** NI

**Government type:** republic transitioning from military to civilian rule

*note:* on 12 December 1991 the capital was officially moved from Lagos to Abuja; many government offices remain in Lagos pending completion of facilities in Abuja

**Independence:** 1 October 1960 (from UK)

**Legal system:** based on English common law, Islamic law, and tribal law

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Wakili Hassan ADAMU

*chancery:* 1333 16th Street NW, Washington, DC 20036

*telephone:* [1] (202) 986-8400

*FAX:* [1] (202) 775-1385

*consulate(s) general:* New York

**Diplomatic representation from the US:**

*chief of mission:* Ambassador William H. TWADDELL

*embassy:* 2 Eleke Crescent, Lagos

*mailing address:* P. O. Box 554, Lagos

*telephone:* [234] (1) 261-0097

*FAX:* [234] (1) 261-0257

## ECONOMY

**Economy—overview:** The oil-rich Nigerian economy continues to be hobbled by political instability, corruption, and poor macroeconomic management. Nigeria's unpopular military rulers have failed to make significant progress in diversifying the economy away from overdependence on the capital intensive oil sector which provides 30% of GDP, 95% of foreign exchange earnings, and about 80% of budgetary revenues. The government's resistance to initiating greater transparency and accountability in managing the country's multibillion dollar oil earnings continues to limit economic growth and prevent an agreement with the IMF and bilateral creditors on a staff-monitored program and debt relief. The largely subsistence agricultural sector has failed to keep up with rapid population growth, and Nigeria, once a large net exporter of food, now must import food. Growth in 1999 may become negative because of continued low oil prices and persistent inefficiencies in the system.

**Labor force—by occupation:** agriculture 54%, industry, commerce, and services 19%, government 15%

**Industries:** crude oil, coal, tin, columbite, palm oil, peanuts, cotton, rubber, wood, hides and skins, textiles, cement and other construction materials, food products, footwear, chemicals, fertilizer, printing, ceramics, steel

**Agriculture—products:** cocoa, peanuts, palm oil, corn, rice, sorghum, millet, cassava (tapioca), yams, rubber; cattle, sheep, goats, pigs; timber; fish

**Exports:** \$9.7 billion (f.o.b., 1998)

**Exports—commodities:** petroleum and petroleum products 95%, cocoa, rubber

**Exports—partners:** US 35%, Spain 11%, Italy 6%, France 6% (1997 est.)

**Imports:** \$9.8 billion (f.o.b., 1998)

**Imports—commodities:** machinery, chemicals, transportation equipment, manufactured goods, food and animals

**Imports—partners:** US 14%, UK 11%, Germany 10%, France 8%, Netherlands 5% (1997 est.)

**Currency:** 1 naira (N) = 100 kobo

**Exchange rates:** nairas (N) per US\$1—21.886 (December 1998), 21.886 (1998), 21.886 (1997), 21.895 (1995), 21.996 (1994)

## COMMUNICATION

**Telephone system:** average system limited by poor maintenance; major expansion in progress  
*domestic:* intercity traffic is carried by coaxial cable, microwave radio relay, cellular network, and a domestic communications satellite system with 20 earth stations

*international:* satellite earth stations—3 Intelsat (2 Atlantic Ocean and 1 Indian Ocean); 1 coaxial submarine cable

**Radio broadcast stations:** AM 82, FM 32, shortwave 10 (1998 est.)

**Television broadcast stations:** 1 (government-controlled)

# Rwanda

**CHEETAH STATUS** No information

**Background:** Throughout their colonial rule, first Germany and then Belgium favored Rwanda's minority Tutsi ethnic group in education and employment. In 1959, the majority ethnic group, the Hutus, overthrew the ruling Tutsi monarch. The Hutus killed hundreds of Tutsis and drove tens of thousands into exile in neighboring countries. The children of these exiles later formed a rebel group, the Rwandan Patriotic Front (RPF), and began a civil war in October 1990. The war, along with several political and economic upheavals, exasperated ethnic tensions culminating in April 1994 in a genocide in which roughly 800,000 Tutsis and moderate Hutus were killed. The Tutsi rebels defeated the Hutu regime and ended the genocide in July 1994, but approximately 2 million Hutu refugees—many fearing Tutsi retribution—fled to neighboring Burundi, Tanzania, Uganda, and Zaire, now called the Democratic Republic of the Congo (DROC). According to the UN Office of the High Commissioner for Refugees, in 1996 and early 1997 nearly 1.3 million Hutus returned to Rwanda. Even with substantial international aid, these civil dislocations have hindered efforts to foster reconciliation and to boost investment and agricultural output. Although much of the country is now at peace, members of the former regime continue to destabilize the northwest area of the country through a low-intensity insurgency. Rwandan troops are currently involved in a crisis engulfing neighboring DROC.

## GEOGRAPHY

**Terrain:** mostly grassy uplands and hills; relief is mountainous with altitude declining from west to east

**Natural resources:** gold, cassiterite (tin ore), wolframite (tungsten ore), methane, hydropower

**Natural hazards:** periodic droughts; the volcanic Birunga mountains are in the northwest along the border with Democratic Republic of the Congo

**Environment—current issues:** deforestation results from uncontrolled cutting of trees for fuel; overgrazing; soil exhaustion; soil erosion; widespread poaching

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Nuclear Test Ban  
*signed, but not ratified:* Law of the Sea

## PEOPLE

**Ethnic groups:** Hutu 80%, Tutsi 19%, Twa (Pygmoid) 1%

**Religions:** Roman Catholic 65%, Protestant 9%, Muslim 1%, indigenous beliefs and other 25%

**Languages:** Kinyarwanda (official) universal Bantu vernacular, French (official), English (official), Kiswahili (Swahili) used in commercial centers

## GOVERNMENT

**Data code:** RW

**Government type:** republic; presidential, multiparty system

**Independence:** 1 July 1962 (from Belgium-administered UN trusteeship)

**Legal system:** based on German and Belgian civil law systems and customary law; judicial review of legislative acts in the Supreme Court; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Theogene N. RUDASINGWA

*chancery:* 1714 New Hampshire Ave. NW, Washington, DC 20009

*telephone:* [1] (202) 232-2882

*FAX:* [1] (202) 232-4544

**Diplomatic representation from the US:**

*chief of mission:* Ambassador George M. STAPLES

*embassy:* Boulevard de la Revolution, Kigali

*mailing address:* B. P. 28, Kigali

*telephone:* [250] 756 01 through 03, 721 26, 771 47

*FAX:* [250] 721 28

## ECONOMY

**Economy—overview:** Rwanda is a rural country with about 90% of the population engaged in (mainly subsistence) agriculture. It is the most densely populated country in Africa; is landlocked, and has few natural resources and minimal industry. Primary exports are coffee and tea. The 1994 genocide decimated Rwanda's fragile economic base, severely impoverished the population, particularly women, and eroded the country's ability to attract private and external investment. However, Rwanda has made significant progress in stabilizing and rehabilitating its economy. GDP has rebounded, and inflation has been curbed. In June 1998, Rwanda signed an Enhanced Structural Adjustment Facility (ESAF) with the IMF. Rwanda has also embarked upon an ambitious privatization program with the World Bank.

**Labor force—by occupation:** agriculture 90%, government and services, industry and commerce

**Industries:** production of cement, processing of agricultural products, small-scale beverage production, manufacture of soap, furniture, shoes, plastic goods, textiles, cigarettes

**Agriculture—products:** coffee, tea, pyrethrum (insecticide made from chrysanthemums), bananas, beans, sorghum, potatoes; livestock

**Exports:** \$82.1 million (f.o.b., 1998 est.)

**Exports—commodities:** coffee 55%, tea 21%, hides, tin ore (1997)

**Exports—partners:** Brazil 49%, Germany 16%, US, Netherlands, UK (1996)

**Imports:** \$326 million (f.o.b., 1998 est.)

**Imports—commodities:** foodstuffs, machinery and equipment, steel, petroleum products, cement and construction material (1997)

**Imports—partners:** Italy, Kenya, Tanzania, US, Belgium-Luxembourg (1997)

**Currency:** 1 Rwandan franc (RF) = 100 centimes

**Exchange rates:** Rwandan francs (RF) per US\$1—320.63 (February 1999), 312.31 (1998), 301.53 (1997), 306.82 (1996), 262.20 (1995)

## COMMUNICATION

**Telephone system:** telephone system primarily serves business and government

*domestic:* the capital, Kigali, is connected to the centers of the prefectures by microwave radio relay; the remainder of the network depends on wire and HF radiotelephone

*international:* international connections employ microwave radio relay to neighboring countries and satellite communications to more distant countries; satellite earth stations—1 Intelsat (Indian Ocean) in Kigali (includes telex and telefax service)

**Radio broadcast stations:** AM 1, FM 1, shortwave 0

**Television broadcast stations:** 2 (1997)

# Senegal

## CHEETAH STATUS

*Population.* No current information. Possibly still a few animals in Parc National Du Niokolo-Koba (8,000km<sup>2</sup>)<sup>26</sup>.

*Principal Threats.* Lack of habitat.

## GEOGRAPHY

**Climate:** tropical; hot, humid; rainy season (May to November) has strong southeast winds; dry season (December to April) dominated by hot, dry, harmattan wind

**Terrain:** generally low, rolling, plains rising to foothills in southeast

**Natural resources:** fish, phosphates, iron ore

**Natural hazards:** lowlands seasonally flooded; periodic droughts

**Environment—current issues:** wildlife populations threatened by poaching; deforestation; overgrazing; soil erosion; desertification; overfishing

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Marine Life Conservation, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Wetlands, Whaling

*signed, but not ratified:* Marine Dumping

## PEOPLE

**Ethnic groups:** Wolof 43.3%, Pular 23.8%, Serer 14.7%, Diola 3.7%, Mandink 3%, Soninke 1.1%, European and Lebanese 1%, other 9.4%

**Religions:** Muslim 92%, indigenous beliefs 6%, Christian 2% (mostly Roman Catholic)

**Languages:** French (official), Wolof, Pulaar, Diola, Mandingo

## GOVERNMENT

**Data code:** SG

**Government type:** republic under multiparty democratic rule

**Independence:** 4 April 1960 from France; complete independence was achieved upon dissolution of federation with Mali on 20 August 1960 (The Gambia and Senegal signed an agreement on 12 December 1981 that called for the creation of a loose confederation to be known as Senegambia, but the agreement was dissolved on 30 September 1989)

**Legal system:** based on French civil law system; judicial review of legislative acts in Constitutional Court; the Council of State audits the government's accounting office; Senegal has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Mamadou Mansour SECK

*chancery:* 2112 Wyoming Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 234-0540

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Dane Farnsworth SMITH, Jr.

*embassy:* Avenue Jean XXIII at the corner of Avenue Kleber, Dakar

*mailing address:* B. P. 49, Dakar

*telephone:* [221] 823-4296, 823-7384

*FAX:* [221] 822-2991

## ECONOMY

**Economy—overview:** In January 1994, Senegal undertook a bold and ambitious economic reform program with the support of the international donor community. This reform began with a 50% devaluation of Senegal's currency, the CFA franc, which is linked at a fixed rate to the French franc. Government price controls and subsidies have been steadily dismantled. After seeing its economy contract by 2.1% in 1993, Senegal made an important turnaround, thanks to the reform program, with

real growth in GDP averaging 5% annually in 1995-98. Annual inflation has been pushed below 2%, and the fiscal deficit has been cut to less than 1.5% of GDP. Investment rose steadily from 13.8% of GDP in 1993 to 16.5% in 1997. As a member of the West African Economic and Monetary Union (UEMOA), Senegal is working toward greater regional integration with a unified external tariff. Senegal also realized full Internet connectivity in 1996, creating a miniboom in information technology-based services. Private activity now accounts for 82% of GDP. On the negative side, Senegal faces deep-seated urban problems of chronic unemployment, juvenile delinquency, and drug addiction. Forecasters predict growth will continue in the 5% range in 1999-2000.

**Labor force—by occupation:** agriculture 60%

**Industries:** agricultural and fish processing, phosphate mining, fertilizer production, petroleum refining, construction materials

**Agriculture—products:** peanuts, millet, corn, sorghum, rice, cotton, tomatoes, green vegetables; cattle, poultry, pigs; fish

**Exports:** \$925 million (f.o.b., 1998)

**Exports—commodities:** fish, ground nuts (peanuts), petroleum products, phosphates, cotton

**Exports—partners:** France 20%, other EU countries, India, Cote d'Ivoire, Mali (1996)

**Imports:** \$1.2 billion (f.o.b., 1998)

**Imports—commodities:** foods and beverages, consumer goods, capital goods, petroleum products

**Imports—partners:** France 36%, other EU countries, Nigeria, Cameroon, Cote d'Ivoire, Algeria, US, China, Japan (1996)

**Currency:** 1 Communauté Financière Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communauté Financière Africaine francs (CFAF) per US\$1—560.01 (December 1998), 589.95 (1998), 583.67 (1997), 511.55 (1966), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

### **Telephone system:**

*domestic:* above-average urban system; microwave radio relay, coaxial cable and fiber-optic cable in trunk system

*international:* 4 submarine cables; satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 8, FM 6, shortwave 1

**Television broadcast stations:** 1 (1997)

## South Africa

### CHEETAH STATUS

*Population.* Estimated at 500-800<sup>52, 27</sup>. Individuals occur sporadically in the northern parts of the Cape Province. In the Kalahari Gemsbok National Park there is a small population of approximately 50 animals. A small population is found on the extensive commercial farmlands in the north western, northern and eastern Transvaal, to the southern border of the Kruger National Park and along the Zimbabwe and Botswana borders. They were exterminated in Natal by the 1930's. Since 1965, 64 animals from Namibia were reintroduced to Hluhluwe/Umflozi, 33 into Mkuzi Game Reserves, 18 into Eastern Shores, 13 into Itala, and 14 into Ndumu<sup>79, 77</sup> and over 10 into Phinda. Other reserves contain isolated groups too small to be considered as viable populations. The population in the Kruger National Park is approximately 250 animals. Many cheetahs are imported to South Africa from Namibia for zoos, parks and private facilities, as well as for trophy hunting in small camps. South Africa does have several successful captive breeding facilities<sup>51</sup>. Only two parks hold large enough populations: Kruger National Park (19,485 km<sup>2</sup>) and the Kalahari Gemsbok National Park (9,591 km<sup>2</sup>). The cheetah was taken off the South African endangered species list in 1989. Permits are issued to control problem animals through shooting and live capture. Trophy hunting is allowed, but there is no legal export of the trophy.

*Principal Threats.* Livestock farming, small populations in unconnected conservation areas, and the believed success of captive breeding programmes in South Africa, which has eliminated the need to put much effort into the conservation of the remaining wild populations.

### GEOGRAPHY

**Climate:** mostly semiarid; subtropical along east coast; sunny days, cool nights

**Terrain:** vast interior plateau rimmed by rugged hills and narrow coastal plain

**Natural resources:** gold, chromium, antimony, coal, iron ore, manganese, nickel, phosphates, tin, uranium, gem diamonds, platinum, copper, vanadium, salt, natural gas

**Natural hazards:** prolonged droughts

**Environment—current issues:** lack of important arterial rivers or lakes requires extensive water conservation and control measures; growth in water usage threatens to outpace supply; pollution of rivers from agricultural runoff and urban discharge; air pollution resulting in acid rain; soil erosion; desertification

**Environment—international agreements:**

*party to:* Antarctic-Environmental Protocol, Antarctic Treaty, Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Marine Dumping, Marine Life Conservation, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Wetlands, Whaling

### PEOPLE

**Ethnic groups:** black 75.2%, white 13.6%, Colored 8.6%, Indian 2.6%

**Religions:** Christian 68% (includes most whites and Coloreds, about 60% of blacks and about 40% of Indians), Muslim 2%, Hindu 1.5% (60% of Indians), traditional and animistic 28.5%

**Languages:** 11 official languages, including Afrikaans, English, Ndebele, Pedi, Sotho, Swazi, Tsonga, Tswana, Venda, Xhosa, Zulu

### GOVERNMENT

**Data code:** SF

**Government type:** republic

**Independence:** 31 May 1910 (from UK)

**Legal system:** based on Roman-Dutch law and English common law; accepts compulsory ICJ jurisdiction, with reservations

**Diplomatic representation in the US:**

*chief of mission:* Ambassador (vacant)

*chancery:* 3051 Massachusetts Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 232-4400

*FAX:* [1] (202) 265-1607

*consulate(s) general:* Beverly Hills (California), Chicago, and New York

**Diplomatic representation from the US:**

*chief of mission:* Ambassador James A. JOSEPH



*mailing address:* P.O. Box 9536, Pretoria 0001  
*telephone:* [27] (12) 342-1048  
*FAX:* [27] (12) 342-2244  
*consulate(s) general:* Cape Town, Durban, Johannesburg

## **ECONOMY**

**Economy—overview:** South Africa is a middle-income, developing country with an abundant supply of resources, well-developed financial, legal, communications, energy, and transport sectors, a stock exchange that ranks among the 10 largest in the world, and a modern infrastructure supporting an efficient distribution of goods to major urban centers throughout the region. However, growth has not been strong enough to cut into the 30% unemployment, and daunting economic problems remain from the apartheid era, especially the problems of poverty and lack of economic empowerment among the disadvantaged groups. Other problems are crime and corruption. The new government demonstrated its commitment to open markets, privatization, and a favorable investment climate with the release of its macroeconomic strategy in June 1996. Called "Growth, Employment and Redistribution," this policy framework includes the introduction of tax incentives to stimulate new investment in labor-intensive projects, expansion of basic infrastructure services, the restructuring and partial privatization of state assets, continued reduction of tariffs, subsidies to promote economic efficiency, improved services to the disadvantaged, and integration into the global economy. Serious structural rigidities remain, including a complicated and relatively protectionist trade regime, and concentration of wealth and economic control.

**Labor force—by occupation:** services 35%, agriculture 30%, industry 20%, mining 9%, other 6%

**Industries:** mining (world's largest producer of platinum, gold, chromium), automobile assembly, metalworking, machinery, textile, iron and steel, chemical, fertilizer, foodstuffs

**Agriculture—products:** corn, wheat, sugarcane, fruits, vegetables; beef, poultry, mutton, wool, dairy products

**Exports:** \$28.7 billion (f.o.b., 1998)

**Exports—commodities:** gold 20%, other minerals and metals 20%-25%, food 5%, chemicals 3% (1997)

**Exports—partners:** UK, Italy, Japan, US, Germany (1997)

**Imports:** \$27.2 billion (f.o.b., 1998)

**Imports—commodities:** machinery, transport equipment, chemicals, petroleum products, textiles, scientific instruments (1997)

**Imports—partners:** Germany, US, UK, Japan (1997)

**Currency:** 1 rand (R) = 100 cents

**Exchange rates:** rand (R) per US\$1—5.98380 (January 1999), 5.52828 (1998), 4.60796 (1997), 4.29935 (1996), 3.62709 (1995), 3.55080 (1994)

## **COMMUNICATION**

**Telephone system:** the system is the best developed, most modern, and has the highest capacity in Africa

*domestic:* consists of carrier-equipped open-wire lines, coaxial cables, microwave radio relay links, fiber-optic cable, and radiotelephone communication stations; key centers are Bloemfontein, Cape Town, Durban, Johannesburg, Port Elizabeth, and Pretoria

*international:* 1 submarine cable; satellite earth stations—3 Intelsat (1 Indian Ocean and 2 Atlantic Ocean)

**Radio broadcast stations:** AM 15, FM 164, shortwave 1

**Television broadcast stations:** 556 (includes 156 network stations and 400 privately-owned low-power stations; in addition, there are 144 network repeaters) (1997)

# Sudan

## CHEETAH STATUS

*Population.* Recent reports indicate that cheetah are mainly distributed in southern Sudan<sup>31</sup>. Estimates of 1,200 animals, which could have declined by half by 1980<sup>62</sup>. Recent information in the north indicates that cheetah skins are used to make slippers and these are in great demand by rich Sudanese<sup>76,46</sup>. Populations may still be present where adequate prey and livestock exist in semi-arid areas below the true desert in the central middle of the country<sup>76</sup>. Widely distributed throughout the south, as of 1982<sup>35</sup>. Recent information is lacking from the south of the country due to the long civil war. The population there could be greatly affected by the eight years of war. All wildlife has been severely affected by the availability of guns and ammunition<sup>76</sup>. Were very rare or non-existent in all parks and reserves<sup>62</sup>. Sightings of 10 animals in the southern reserve, \*Southern National Park (23,000 km2), sightings also seen in \*Boma National Park (22,800 km2), \*Boro Game Reserve (1,500 km2), \*Meshra Game Reserve (4,500 km2), \*Badingile Game Reserve (8,400 km2), Ashana Game Reserve (900 km2), Chelkou Game Reserve (5,500 km2), Kidepo Game Reserve (1,400km2), Numatina Game Reserve (2,100 km2), and Shambe Game Reserve (620 km2) (Hillman,1982). The cheetah has been a protected species since 1972. Effective 1 January 1989 Wildlife Conservation and National Park forces of Sudan issued a 3-year notice banning the hunting and capture of mammals, birds and reptiles in the Republic of Sudan.

*Principal Threats.* Poaching, loss of prey, indirect affects of the long civil war in the south of the country.

## GEOGRAPHY

**Climate:** tropical in south; arid desert in north; rainy season (April to October)

**Terrain:** generally flat, featureless plain; mountains in east and west

**Natural resources:** petroleum; small reserves of iron ore, copper, chromium ore, zinc, tungsten, mica, silver, gold

**Irrigated land:** 19,460 sq km (1993 est.)

**Natural hazards:** dust storms

**Environment—current issues:** inadequate supplies of potable water; wildlife populations threatened by excessive hunting; soil erosion; desertification

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** black 52%, Arab 39%, Beja 6%, foreigners 2%, other 1%

**Religions:** Sunni Muslim 70% (in north), indigenous beliefs 25%, Christian 5% (mostly in south and Khartoum)

**Languages:** Arabic (official), Nubian, Ta Bedawie, diverse dialects of Nilotic, Nilo-Hamitic, Sudanic languages, English

## GOVERNMENT

**Data code:** SU

**Government type:** transitional—previously ruling military junta; presidential and National Assembly elections held in March 1996; new constitution drafted by Presidential Committee, went into effect on 30 June 1998 after being approved in nationwide referendum

**Independence:** 1 January 1956 (from Egypt and UK)

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Mahdi Ibrahim MAHAMMAD (recalled to Khartoum in August 1998)

*chancery:* 2210 Massachusetts Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 338-8565

*FAX:* [1] (202) 667-2406

**Diplomatic representation from the US:** US officials at the US Embassy in Khartoum were moved for security reasons in February 1996 and have been relocated to the US Embassies in Nairobi, Kenya and Cairo, Egypt; they visit Khartoum monthly, but the Sudanese Government has not allowed such visits since August 1998; the US Embassy in Khartoum (located on Sharia Abdul Latif Avenue; mailing address— P.O. Box 699, Khartoum; APO AE 09829; telephone— [249] (11) 774611 or

774700; FAX—[249] (11) 774137) is kept open by local employees; the US Embassy in Nairobi, Kenya is located temporarily in the USAID Building at The Crescent, Parkland, Nairobi; mailing address—P.O. Box 30137, Box 21A, Unit 64100, APO AE 09831; telephone—[254] (2) 751613; FAX—[254] (2) 743204; the US Embassy in Cairo, Egypt is located at (North Gate) 8, Kamel El-Din Salah Street, Garden City, Cairo; mailing address—Unit 64900, APO AE 09839-4900; telephone—[20] (2) 3557371; FAX—[20] (2) 3573200

## ECONOMY

**Economy—overview:** Sudan is buffeted by civil war, chronic political instability, adverse weather, high inflation, a drop in remittances from abroad, and counterproductive economic policies. The private sector's main areas of activity are agriculture and trading, with most private industrial investment predating 1980. Agriculture employs 80% of the work force. Industry mainly processes agricultural items. Sluggish economic performance over the past decade, attributable largely to declining annual rainfall, has kept per capita income at low levels. A large foreign debt and huge arrears continue to cause difficulties. In 1990 the International Monetary Fund took the unusual step of declaring Sudan noncooperative because of its nonpayment of arrears to the Fund. After Sudan backtracked on promised reforms in 1992-93, the IMF threatened to expel Sudan from the Fund. To avoid expulsion, Khartoum agreed to make payments on its arrears to the Fund, liberalize exchange rates, and reduce subsidies, measures it has partially implemented. The government's continued prosecution of the civil war and its growing international isolation continued to inhibit growth in the nonagricultural sectors of the economy during 1998. Hyperinflation has raised consumer prices above the reach of most. In 1998, a top priority was to develop potentially lucrative oilfields in southcentral Sudan; the government is working with foreign partners to exploit the oil sector.

**Labor force—by occupation:** agriculture 80%, industry and commerce 10%, government 6%

**Industries:** cotton ginning, textiles, cement, edible oils, sugar, soap distilling, shoes, petroleum refining

**Agriculture—products:** cotton, groundnuts (peanuts), sorghum, millet, wheat, gum arabic, sesame; sheep

**Exports:** \$594 million (f.o.b., 1997)

**Exports—commodities:** cotton 23%, sesame 22%, livestock/meat 13%, gum arabic 5% (1996)

**Exports—partners:** Saudi Arabia 20%, UK 14%, China 11%, Italy 8% (1996)

**Imports:** \$1.42 billion (f.o.b., 1997)

**Imports—commodities:** foodstuffs, petroleum products, manufactured goods, machinery and equipment, medicines and chemicals, textiles (1996)

**Imports—partners:** Saudi Arabia 10%, South Korea 7%, Germany 6%, Egypt 6% (1996)

**Currency:** 1 Sudanese pound (£Sd) = 100 piastres

**Exchange rates:** Sudanese pounds (£Sd) per US\$1—1,819.70 (April 1998), 1,873.53 (2d Qtr 1998), 1,575.74 (1997), 1,250.79 (1996), 580.87 (1995), 289.61 (1994), 159.31 (1993)

## COMMUNICATION

**Telephone system:** large, well-equipped system by African standards, but barely adequate and poorly maintained by modern standards

*domestic:* consists of microwave radio relay, cable, radiotelephone communications, tropospheric scatter, and a domestic satellite system with 14 earth stations

*international:* satellite earth stations—1 Intelsat (Atlantic Ocean) and 1 Arabsat

**Radio broadcast stations:** AM 11, FM 1, shortwave 1 (1998 est.)

**Television broadcast stations:** 3 (1997)

# Swaziland

**CHEETAH STATUS** No information. No known population.

## GEOGRAPHY

**Climate:** varies from tropical to near temperate

**Terrain:** mostly mountains and hills; some moderately sloping plains

**Natural resources:** asbestos, coal, clay, cassiterite, hydropower, forests, small gold and diamond deposits, quarry stone, and talc

**Natural hazards:** NA

**Environment—current issues:** limited supplies of potable water; wildlife populations being depleted because of excessive hunting; overgrazing; soil degradation; soil erosion

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Endangered Species, Nuclear Test Ban, Ozone Layer Protection

*signed, but not ratified:* Desertification, Law of the Sea

## PEOPLE

**Ethnic groups:** African 97%, European 3%

**Religions:** Christian 60%, indigenous beliefs 40%

**Languages:** English (official, government business conducted in English), siSwati (official)

## GOVERNMENT

**Data code:** WZ

**Government type:** monarchy; independent member of Commonwealth

**Independence:** 6 September 1968 (from UK)

**Legal system:** based on South African Roman-Dutch law in statutory courts and Swazi traditional law and custom in traditional courts; has not accepted compulsory ICJ jurisdiction by popular vote in the elections of September and October 1993; of a population of less than 1 million, the electorate numbered 283,693

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Mary Madzandza KANYA

*chancery:* Suite 3M, 3400 International Drive NW, Washington, DC 20008

*telephone:* [1] (202) 362-6683

*FAX:* [1] (202) 244-8059

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Alan R. McKEE

*embassy:* Central Bank Building, Warner Street, Mbabane

*mailing address:* P. O. Box 199, Mbabane

*telephone:* [268] 404-6441 through 404-6445

*FAX:* [268] 404-5959

## ECONOMY

**Economy—overview:** In this small landlocked economy, subsistence agriculture occupies more than 60% of the population. Manufacturing features a number of agroprocessing factories. Mining has declined in importance in recent years; high-grade iron ore deposits were depleted by 1978, and health concerns have cut world demand for asbestos. Exports of soft drink concentrate, sugar and wood pulp are the main earners of hard currency. Surrounded by South Africa, except for a short border with Mozambique, Swaziland is heavily dependent on South Africa from which it receives nearly all of its imports and to which it sends more than half of its exports. Remittances from Swazi workers in South African mines supplement domestically earned income by as much as 20%. The government is trying to improve the atmosphere for foreign investment. Overgrazing, soil depletion, and drought persist as problems for the future.

**Labor force—by occupation:** private sector about 70%, public sector about 30%

**Industries:** mining (coal and asbestos), wood pulp, sugar, soft drink concentrates

**Agriculture—products:** sugarcane, cotton, maize, tobacco, rice, citrus, pineapples, corn, sorghum, peanuts; cattle, goats, sheep

**Exports:** \$972 million (f.o.b. 1998)

**Exports—commodities:** soft drink concentrates, sugar, wood pulp, cotton yarn, citrus and canned fruit (1996)

**Exports—partners:** South Africa 58%, EU 17%, Mozambique, North Korea (1995)

**Imports:** \$1.2 billion (f.o.b., 1998)

**Imports—commodities:** motor vehicles, machinery, transport equipment, foodstuffs, petroleum products, chemicals (1996)

**Imports—partners:** South Africa 96%, Japan, UK, Singapore (FY95/96)

**Currency:** 1 lilangeni (E) = 100 cents

**Exchange rates:** emalangeni (E) per US\$1—5.9812 (January 1999), 5.4807 (1998), 4.6032 (1997), 4.2706 (1996), 3.6266 (1995), 3.5490 (1994); note—the Swazi lilangeni is at par with the South African rand

## COMMUNICATION

### **Telephone system:**

*domestic:* system consists of carrier-equipped, open-wire lines and low-capacity, microwave radio relay

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 7, FM 6, shortwave 0

**Television broadcast stations:** 2 (in addition, there are seven repeaters) (1997)

# Tanzania

## CHEETAH STATUS

*Population.* Estimated at 1000, with a range of 500-1500<sup>62</sup>. Found in the grasslands of Masailand and a few localized areas of woodlands. Populations do exist in the Serengeti/ Ngorongoro Conservation Area (25,000 km<sup>2</sup>), possibly as many as 500<sup>44, 14</sup>, however, the population suffers due to competition with lions and hyenas. There have been sightings in Mikumi National Park (3,230 km<sup>2</sup>), Tarangire National Park (2,600 km<sup>2</sup>), Katavi National Park (2,250 km<sup>2</sup>), and Ruaha National Park (10,200 km<sup>2</sup>)<sup>15, 27</sup>.

*Principal Threats.* Poaching, predation and competition with other large predators.

## GEOGRAPHY

**Climate:** varies from tropical along coast to temperate in highlands

**Terrain:** plains along coast; central plateau; highlands in north, south

**Natural resources:** hydropower, tin, phosphates, iron ore, coal, diamonds, gemstones, gold, natural gas, nickel

**Natural hazards:** the tsetse fly; flooding on the central plateau during the rainy season; drought

**Environment—current issues:** soil degradation; deforestation; desertification; destruction of coral reefs threatens marine habitats; recent droughts affected marginal agriculture

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** mainland—native African 99% (of which 95% are Bantu consisting of more than 130 tribes), other 1% (consisting of Asian, European, and Arab); Zanzibar—Arab, native African, mixed Arab and native African

**Religions:** mainland—Christian 45%, Muslim 35%, indigenous beliefs 20; Zanzibar—more than 99% Muslim

**Languages:** Kiswahili or Swahili (official), Kiunguju (name for Swahili in Zanzibar), English (official, primary language of commerce, administration, and higher education), Arabic (widely spoken in Zanzibar), many local languages

*note:* Kiswahili (Swahili) is the mother tongue of the Bantu people living in Zanzibar and nearby coastal Tanzania; although Kiswahili is Bantu in structure and origin, its vocabulary draws on a variety of sources, including Arabic and English, and it has become the lingua franca of central and eastern Africa; the first language of most people is one of the local languages

## GOVERNMENT

**Data code:** TZ

**Government type:** republic

**Independence:** 26 April 1964; Tanganyika became independent 9 December 1961 (from UK-administered UN trusteeship); Zanzibar became independent 19 December 1963 (from UK); Tanganyika united with Zanzibar 26 April 1964 to form the United Republic of Tanganyika and Zanzibar; renamed United Republic of Tanzania 29 October 1964

**Legal system:** based on English common law; judicial review of legislative acts limited to matters of interpretation; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Mustafa Salim NYANG'ANYI

*chancery:* 2139 R Street NW, Washington, DC 20008

*telephone:* [1] (202) 518-6647

*FAX:* [1] (202) 797-7408

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Charles R. STITH

*embassy:* 285 Toure Drive, Dar es Salaam (temporary location)

*mailing address:* P. O. Box 9123, Dar es Salaam

*telephone:* [255] (51) 666010 through 666015

*FAX:* [255] (51) 666701

## ECONOMY

**Economy—overview:** Tanzania is one of the poorest countries in the world. The economy is heavily dependent on agriculture, which accounts for 56% of GDP, provides 85% of exports, and employs 90% of the work force. Topography and climatic conditions, however, limit cultivated crops to only 4% of the land area. Industry accounts for 15% of GDP and is mainly limited to processing agricultural products and light consumer goods. The economic recovery program announced in mid-1986 has generated notable increases in agricultural production and financial support for the program by bilateral donors. The World Bank, the International Monetary Fund, and bilateral donors have provided funds to rehabilitate Tanzania's deteriorated economic infrastructure. Growth in 1991-98 has featured a pickup in industrial production and a substantial increase in output of minerals, led by gold. Natural gas exploration in the Rufiji Delta looks promising and production could start by 2002. Recent banking reforms have helped increase private sector growth and investment. Short-term economic progress also depends on curbing corruption.

**Labor force—by occupation:** agriculture 90%, industry and commerce 10% (1995 est.)

**Industries:** primarily agricultural processing (sugar, beer, cigarettes, sisal twine), diamond and gold mining, oil refining, shoes, cement, textiles, wood products, fertilizer, salt

**Agriculture—products:** coffee, sisal, tea, cotton, pyrethrum (insecticide made from chrysanthemums), cashew nuts, tobacco, cloves (Zanzibar), corn, wheat, cassava (tapioca), bananas, fruits, vegetables; cattle, sheep, goats

**Exports:** \$952 million (f.o.b., 1998 est.)

**Exports—commodities:** coffee, manufactured goods, cotton, cashew nuts, minerals, tobacco, sisal (1996)

**Exports—partners:** India 9.8%, Germany 8.9%, Japan 7.8%, Malaysia 6.5%, Rwanda 5.2%, Netherlands 4.7% (1997)

**Imports:** \$1.46 billion (f.o.b., 1998 est.)

**Imports—commodities:** consumer goods, machinery and transportation equipment, industrial raw materials, crude oil

**Imports—partners:** South Africa 12.9%, Kenya 9.6%, UK 8.7%, Saudi Arabia 6.6%, Japan 4.9%, China 4.6% (1997)

**Currency:** 1 Tanzanian shilling (TSh) = 100 cents

**Exchange rates:** Tanzanian shillings (TSh) per US\$1—668.3 (February 1999), 664.67 (1998), 612.12 (1997), 579.98 (1996), 574.76 (1995), 509.63 (1994)

## COMMUNICATION

**Telephone system:** fair system operating below capacity

*domestic:* open wire, microwave radio relay, tropospheric scatter

*international:* satellite earth stations—2 Intelsat (1 Indian Ocean and 1 Atlantic Ocean)

**Radio broadcast stations:** AM 12, FM 4, shortwave 0

**Television broadcast stations:** 4 (1998)

# Togo

**CHEETAH STATUS** No information.

## GEOGRAPHY

**Climate:** tropical; hot, humid in south; semiarid in north

**Terrain:** gently rolling savanna in north; central hills; southern plateau; low coastal plain with extensive lagoons and marshes

**Natural resources:** phosphates, limestone, marble

**Natural hazards:** hot, dry harmattan wind can reduce visibility in north during winter; periodic droughts

**Environment—current issues:** deforestation attributable to slash-and-burn agriculture and the use of wood for fuel; recent droughts affecting agriculture

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Tropical Timber 83, Tropical Timber 94, Wetlands

## PEOPLE

**Ethnic groups:** native African (37 tribes; largest and most important are Ewe, Mina, and Kabre) 99%, European and Syrian-Lebanese less than 1%

**Religions:** indigenous beliefs 70%, Christian 20%, Muslim 10%

**Languages:** French (official and the language of commerce), Ewe and Mina (the two major African languages in the south), Kabye (sometimes spelled Kabiye) and Dagomba (the two major African languages in the north)

## GOVERNMENT

**Data code:** TO

**Government type:** republic under transition to multiparty democratic rule

**Independence:** 27 April 1960 (from French-administered UN trusteeship)

**Legal system:** French-based court system

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Akosita FINEANGANOFI

*chancery:* 2208 Massachusetts Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 234-4212

*FAX:* [1] (202) 232-3190

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Brenda Brown SCHOONOVER

*embassy:* Rue Pelletier Caventou and Rue Vauban, Lome

*mailing address:* B. P. 852, Lome

*telephone:* [228] 21 77 17, 21 29 91 through 21 29 94

*FAX:* [228] 21 79 52

## ECONOMY

**Economy—overview:** This small sub-Saharan economy is heavily dependent on both commercial and subsistence agriculture, which provides employment for 65% of the labor force. Cocoa, coffee, and cotton together generate about 30% of export earnings. Togo is self-sufficient in basic foodstuffs when harvests are normal, with occasional regional supply difficulties. In the industrial sector, phosphate mining is by far the most important activity, although it has suffered from the collapse of world phosphate prices and increased foreign competition. Togo serves as a regional commercial and trade center. The government's decade-long effort, supported by the World Bank and the IMF, to implement economic reform measures, encourage foreign investment, and bring revenues in line with expenditures has stalled. Political unrest, including private and public sector strikes throughout 1992 and 1993, jeopardized the reform program, shrunk the tax base, and disrupted vital economic activity. The 12 January 1994 devaluation of the currency by 50% provided an important impetus to renewed structural adjustment; these efforts were facilitated by the end of strife in 1994 and a return to overt political calm. Progress depends on following through on privatization, increased transparency in government accounting to accommodate increased social service outlays, and possible downsizing of the military, on which the regime has depended to stay in place. However, in late 1998 the EU suspended aid and



trade preferences for Togo because of grave doubts over the conduct of the presidential elections. The World Bank also suspended its disbursements at yearend 1998 because Togo was unable to pay its arrears.

**Labor force—by occupation:** agriculture 65%, industry 5%, services 30% (1998 est.)

**Industries:** phosphate mining, agricultural processing, cement; handicrafts, textiles, beverages

**Agriculture—products:** coffee, cocoa, cotton, yams, cassava (tapioca), corn, beans, rice, millet, sorghum; livestock; fish

**Exports:** \$345 million (f.o.b., 1997)

**Exports—commodities:** cotton, phosphates, coffee, cocoa

**Exports—partners:** Canada 7.6%, Taiwan 7.1%, Nigeria 6.8%, South Africa 5.2% (1996 est.)

**Imports:** \$400 million (f.o.b., 1997)

**Imports—commodities:** machinery and equipment, consumer goods, petroleum products

**Imports—partners:** Ghana 19.1%, France 10.8%, China 8.2%, Cameroon 6.8% (1996 est.)

**Currency:** 1 Communaute Financiere Africaine franc (CFAF) = 100 centimes

**Exchange rates:** Communaute Financiere Africaine francs (CFAF) per US\$1—560.01 (December 1998), 589.95 (1998), 583.67 (1997), 511.55 (1996), 499.15 (1995), 555.20 (1994)

## COMMUNICATION

**Telephone system:** fair system based on network of microwave radio relay routes supplemented by open-wire lines and cellular system

*domestic:* microwave radio relay and open-wire lines for conventional system; cellular system has capacity of 10,000 telephones

*international:* satellite earth stations—1 Intelsat (Atlantic Ocean) and 1 Symphonie

**Radio broadcast stations:** AM 2, FM 0, shortwave 0

**Television broadcast stations:** 3 (in addition, there are two repeaters) (1997)

# Tunisia

## CHEETAH STATUS

Believed to be extinct. Formerly found in the region of Chott el Djerid and the desert south of Tatahoume<sup>93</sup>. Last cheetah sighted and killed was in 1968 near Bordj Bowrgiba in the extreme south<sup>19</sup>, 1990. Last Tunisian cheetahs lived until the 1970's in the Alfalfa-endash Acacia steppes at the North of the Hammada El Homra, near the Libyan border<sup>71</sup>. Re-introduction of cheetah back into Tunisia may occur in the next few years in Bou Hedma National Park, which has good prey diversity<sup>71</sup>.

## GEOGRAPHY

**Climate:** temperate in north with mild, rainy winters and hot, dry summers; desert in south

**Terrain:** mountains in north; hot, dry central plain; semiarid south merges into the Sahara

**Natural resources:** petroleum, phosphates, iron ore, lead, zinc, salt

**Natural hazards:** NA

**Environment—current issues:** toxic and hazardous waste disposal is ineffective and presents human health risks; water pollution from raw sewage; limited natural fresh water resources; deforestation; overgrazing; soil erosion; desertification

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Environmental Modification, Hazardous Wastes, Law of the Sea, Marine Dumping, Nuclear Test Ban, Ozone Layer Protection, Ship Pollution, Wetlands

*signed, but not ratified:* Marine Life Conservation

## PEOPLE

**Ethnic groups:** Arab 98%, European 1%, Jewish and other 1%

**Religions:** Muslim 98%, Christian 1%, Jewish and other 1%

**Languages:** Arabic (official and one of the languages of commerce), French (commerce)

## GOVERNMENT

**Data code:** TS

**Government type:** republic

**Independence:** 20 March 1956 (from France)

**Legal system:** based on French civil law system and Islamic law; some judicial review of legislative acts in the Supreme Court in joint session

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Nouredine MEJDOUB

*chancery:* 1515 Massachusetts Avenue NW, Washington, DC 20005

*telephone:* [1] (202) 862-1850

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Robin L. RAPHEL

*embassy:* 144 Avenue de la Liberte, 1002 Tunis-Belvedere

*mailing address:* use embassy street address

*telephone:* [216] (1) 782-566

*FAX:* [216] (1) 789-719

## ECONOMY

**Economy—overview:** Tunisia has a diverse economy, with important agricultural, mining, energy, tourism, and manufacturing sectors. Governmental control of economic affairs while still heavy has gradually lessened over the past decade with increasing privatization, simplification of the tax structure, and a prudent approach to debt. Real growth averaged 4.0% in 1993-97 and reached 5.0% in 1998. Inflation has been moderate. Growth in tourism and increased trade have been key elements in this steady growth. Tunisia's association agreement with the European Union entered into force on 1 March 1998, the first such accord between the EU and Mediterranean countries to be activated. Under the agreement Tunisia will gradually remove barriers to trade with the EU over the next decade. Broader privatization, further liberalization of the investment code to increase foreign investment, and improvements in government efficiency are among the challenges for the future.

**Labor force—by occupation:** services 55%, industry 23%, agriculture 22% (1995 est.)  
**Industries:** petroleum, mining (particularly phosphate and iron ore), tourism, textiles, footwear, food, beverages  
**Agriculture—products:** olives, dates, oranges, almonds, grain, sugar beets, grapes; poultry, beef, dairy products  
**Exports:** \$5.4 billion (f.o.b., 1997 est.)  
**Exports—commodities:** hydrocarbons, textiles, agricultural products, phosphates and chemicals  
**Exports—partners:** EU 80%, North African countries 6%, Asia 4%, US 1% (1996)  
**Imports:** \$7.9 billion (c.i.f., 1997 est.)  
**Imports—commodities:** industrial goods and equipment 57%, hydrocarbons 13%, food 12%, consumer goods  
**Imports—partners:** EU countries 80%, North African countries 5.5%, Asia 5.5%, US 5% (1996)  
**Currency:** 1 Tunisian dinar (TD) = 1,000 millimes  
**Exchange rates:** Tunisian dinars (TD) per US\$1—1.1027 (December 1998), 1.1393 (1998), 1.1059 (1997), 0.9734 (1996), 0.9458 (1995), 1.0116 (1994)

## COMMUNICATION

**Telephone system:** the system is above the African average and is continuing to be upgraded; key centers are Sfax, Sousse, Bizerte, and Tunis; Internet access is available through two private service providers licensed by the government  
*domestic:* trunk facilities consist of open-wire lines, coaxial cable, and microwave radio relay  
*international:* 5 submarine cables; satellite earth stations—1 Intelsat (Atlantic Ocean) and 1 Arabsat with back-up control station; coaxial cable and microwave radio relay to Algeria and Libya; participant in Medarabtel  
**Radio broadcast stations:** AM 7, FM 8, shortwave 1 (1998 est.)  
**Television broadcast stations:** 19 (these are network stations; there are some additional stations of low power)

# Uganda

## CHEETAH STATUS

*Population.* Estimated less than 200<sup>62</sup>. No current information available. Small numbers are thought to be found in the north east sector of the country and a few may still found in Kidepo National Park (1,400 km<sup>2</sup>)<sup>93</sup>.

*Principal Threats.* Poaching and loss of habitat.

## GEOGRAPHY

**Climate:** tropical; generally rainy with two dry seasons (December to February, June to August); semiarid in northeast

**Terrain:** mostly plateau with rim of mountains

**Natural resources:** copper, cobalt, limestone, salt

**Natural hazards:** NA

**Environment—current issues:** draining of wetlands for agricultural use; deforestation; overgrazing; soil erosion; poaching is widespread

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Marine Life Conservation, Nuclear Test Ban, Ozone Layer Protection

*signed, but not ratified:* Environmental Modification

## PEOPLE

**Ethnic groups:** Baganda 17%, Karamojong 12%, Basogo 8%, Iteso 8%, Langi 6%, Rwanda 6%, Bagisu 5%, Acholi 4%, Lugbara 4%, Bunyoro 3%, Batobo 3%, non-African (European, Asian, Arab) 1%, other 23%

**Religions:** Roman Catholic 33%, Protestant 33%, Muslim 16%, indigenous beliefs 18%

**Languages:** English (official national language, taught in grade schools, used in courts of law and by most newspapers and some radio broadcasts), Ganda or Luganda (most widely used of the Niger-Congo languages, preferred for native language publications and may be taught in school), other Niger-Congo languages, Nilo-Saharan languages, Swahili, Arabic

## GOVERNMENT

**Data code:** UG

**Government type:** republic

**Independence:** 9 October 1962 (from UK)

**Legal system:** in 1995, the government restored the legal system to one based on English common law and customary law; accepts compulsory ICJ jurisdiction, with reservations

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Edith Grace SSEMPALA

*chancery:* 5911 16th Street NW, Washington, DC 20011

*telephone:* [1] (202) 726-7100 through 7102, 0416

*FAX:* [1] (202) 726-1727

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Nancy J. POWELL

*embassy:* Parliament Avenue, Kampala

*mailing address:* P. O. Box 7007, Kampala

*telephone:* [256] (41) 259792, 259793, 259795

*FAX:* [256] (41) 259794

## ECONOMY

**Economy—overview:** Uganda has substantial natural resources, including fertile soils, regular rainfall, and sizable mineral deposits of copper and cobalt. Agriculture is the most important sector of the economy, employing over 80% of the work force. Coffee is the major export crop and accounts for the bulk of export revenues. Since 1986, the government—with the support of foreign countries and international agencies—has acted to rehabilitate and stabilize the economy by undertaking currency reform, raising producer prices on export crops, increasing prices of petroleum products, and improving civil service wages. The policy changes are especially aimed at dampening inflation and boosting

continued investment in the rehabilitation of infrastructure, improved incentives for production and exports, reduced inflation, gradually improved domestic security, and the return of exiled Indian-Ugandan entrepreneurs. Continuation of this performance, while possible, appears difficult because of Ugandan involvement in the war in the Democratic Republic of the Congo, growing corruption within the government, and slippage in the government's determination to press reforms.

**Labor force—by occupation:** agriculture 86%, industry 4%, services 10% (1980 est.)

**Industries:** sugar, brewing, tobacco, cotton textiles, cement

**Agriculture—products:** coffee, tea, cotton, tobacco, cassava (tapioca), potatoes, corn, millet, pulses; beef, goat meat, milk, poultry

**Exports:** \$476 million (f.o.b., 1998)

**Exports—commodities:** coffee 54%, gold, fish and fish products, cotton, tea, corn (1997)

**Exports—partners:** Spain 14%, Germany 14%, Netherlands 10%, France 8%, Italy (1997)

**Imports:** \$1.4 billion (c.i.f., 1998)

**Imports—commodities:** transportation equipment, petroleum, medical supplies, iron and steel (1996)

**Imports—partners:** Kenya 31%, UK 12%, Japan 6%, India 6%, South Africa 5% (1997)

**Currency:** 1 Ugandan shilling (USh) = 100 cents

**Exchange rates:** Ugandan shillings (USh) per US\$1—1,368.4 (December 1998), 1,240.2 (1998), 1,083.0 (1997), 1,046.1 (1996), 968.9 (1995), 979.4 (1994)

## COMMUNICATION

**Telephone system:** fair system but in serious need of expansion and better maintenance; a cellular system has been introduced as a stopgap but the communications problems will not be solved without substantial investment in the conventional telephone infrastructure; e-mail and Internet services are available

*domestic:* intercity traffic by wire, microwave radio relay, and radiotelephone communications stations, cellular system for short range traffic

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 10, FM 0, shortwave 0

**Television broadcast stations:** 8 (in addition, there is one low-power repeater) (1997)

# Zambia

## CHEETAH STATUS

*Population.* Although cheetah records are very scant, the species distribution in the last three decades is encouraging<sup>75</sup>. The species is uncommon in many areas, however, as of 1969 cheetahs were still widely distributed in various parts of the country, but in low densities<sup>5</sup>. Populations were concentrated in the flood plains and along dry riverbeds. It was thought that the majority of the suitable habitats would disappear by the 1980's<sup>62, 5</sup>. Recently cheetah occur in relatively low numbers in Kafue National Park (22,400 km<sup>2</sup>), South Luangwa National Park and Sioma Ngwezi National Park. In Lower Zambezi National Park, one or two have been sighted by tour operators at Jeki plain since 1990<sup>75</sup>. Experimental re-introduction of three male cheetah into the Lower Zambezi took place in 1994<sup>75</sup>.

*Principal Threats.* Poaching, loss of habitat, and expanding human population.

## GEOGRAPHY

**Climate:** tropical; modified by altitude; rainy season (October to April)

**Terrain:** mostly high plateau with some hills and mountains

**Natural resources:** copper, cobalt, zinc, lead, coal, emeralds, gold, silver, uranium, hydropower

**Natural hazards:** tropical storms (November to April)

**Environment—current issues:** air pollution and resulting acid rain in the mineral extraction and refining region; poaching seriously threatens rhinoceros and elephant populations; deforestation; soil erosion; desertification; lack of adequate water treatment presents human health risks

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Hazardous Wastes, Law of the Sea, Nuclear Test Ban, Ozone Layer Protection, Wetlands

*signed, but not ratified:* Climate Change-Kyoto Protocol

## PEOPLE

**Ethnic groups:** African 98.7%, European 1.1%, other 0.2%

**Religions:** Christian 50%-75%, Muslim and Hindu 24%-49%, indigenous beliefs 1%

**Languages:** English (official), major vernaculars—Bemba, Kaonda, Lozi, Lunda, Luvale, Nyanja, Tonga, and about 70 other indigenous languages

## GOVERNMENT

**Data code:** ZA

**Government type:** republic

**Independence:** 24 October 1964 (from UK)

**Legal system:** based on English common law and customary law; judicial review of legislative acts in an ad hoc constitutional council; has not accepted compulsory ICJ jurisdiction

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Dunstan Weston KAMANA

*chancery:* 2419 Massachusetts Avenue NW, Washington, DC 20008

*telephone:* [1] (202) 265-9717 through 9719

*FAX:* [1] (202) 332-0826

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Arlene RENDER

*embassy:* corner of Independence and United Nations Avenues

*mailing address:* P. O. Box 31617, Lusaka

*telephone:* [260] (1) 250-955, 252-230

*FAX:* [260] (1) 252-225

## ECONOMY

**Economy—overview:** Despite progress in privatization and budgetary reform, Zambia's economy has a long way to go. Inflation, while slowing somewhat, continues to be a major concern to the CHILUBA government. Zambia's copper mining sector, which accounts for over 80% of the nation's foreign currency intake, is struggling. Production rates are down as are world copper prices. Aid cuts by Zambia's donors, arising out of concern for the November 1996 flawed election, also have damaged Zambia's economic prospects. Urged by the World Bank, Zambia has embarked on a privatization program which is to include the all-important copper industry. Until a deal on the copper sector is concluded, perhaps by mid-1999, economic prospects will remain clouded.

**Labor force—by occupation:** agriculture 85%, mining, manufacturing, and construction 6%, transport and services 9%

**Industries:** copper mining and processing, construction, foodstuffs, beverages, chemicals, textiles, fertilizer

**Agriculture—products:** corn, sorghum, rice, peanuts, sunflower seed, tobacco, cotton, sugarcane, cassava (tapioca); cattle, goats, pigs, poultry, beef, pork, poultry meat, milk, eggs, hides

**Exports:** \$905 million (f.o.b., 1998 est.)

**Exports—commodities:** copper, cobalt, zinc, lead, tobacco

**Exports—partners:** Japan, South Africa, US, Saudi Arabia, India, Thailand, Malaysia (1997)

**Imports:** \$1.1 billion (f.o.b., 1998 est.)

**Imports—commodities:** machinery, transportation equipment, foodstuffs, fuels, petroleum products, electricity, fertilizer

**Imports—partners:** South Africa 48%, Saudi Arabia, UK, Zimbabwe (1997)

**Currency:** 1 Zambian kwacha (ZK) = 100 ngwee

**Exchange rates:** Zambian kwacha (ZK) per US\$1—1,428 (October 1998), 1,333.81 (1997), 1,203.71 (1996), 857.23 (1995), 669.37 (1994)

## COMMUNICATION

**Telephone system:** facilities are among the best in Sub-Saharan Africa

*domestic:* high-capacity microwave radio relay connects most larger towns and cities

*international:* satellite earth stations—2 Intelsat (1 Indian Ocean and 1 Atlantic Ocean)

**Radio broadcast stations:** AM 11, FM 5, shortwave 0

**Television broadcast stations:** 9 (1997)

# Zimbabwe

## CHEETAH STATUS

*Population.* Estimated at 500-1000<sup>91, 82, 52</sup>. A 1991 Department of National Parks and Wildlife Management (DNPWLM) report estimated cheetah numbers using a computer model. This model predicted there were over 600 cheetah within the Parks and Wildlife Estates, nearly 200 in communal lands, 400 on alienated land and nearly 200 on other state land, resulting in a total of 1,391 cheetah throughout Zimbabwe. These estimates should however, be treated with caution as they are not based on actual data<sup>95</sup>. Farmers on private and commercial land in southern Zimbabwe have indicated an increase in the cheetah population and are concerned over the loss of valuable game and livestock to cheetah. According to a 1997 report from the Ministry of Environment and Tourism DNPWLM, the amount of commercial ranchland with permanently resident cheetah populations has more than doubled in the last decade, with an estimate of 5,000 animals.

Cheetah are largely absent from the northeast part of the country. Two main populations are found in the southern commercial farming areas and in the northwest conservation areas. These two areas account for about 400 animals. The remainder of about 100 animals is distributed over the middle Zambezi Valley, the Midlands and Gonarezhou<sup>91</sup>. Over 50% of the population occur on privately owned farmland<sup>95</sup>. Less than 200 animals are thought to be in the conservation areas including Hwange National Park (14,650 km<sup>2</sup>), Matetsi Safari Area (2,920 km<sup>2</sup>), Kazuma National Park (313 km<sup>2</sup>) and Zambezi National Park (564 km<sup>2</sup>). Occasional sightings are reported in Matobo National Park (432 km<sup>2</sup>) and 10-20 animals are in the National Park and Safari area around Lake Kariba Valley. Small numbers occur in the Mana Pools National Park (2,196 km<sup>2</sup>) and the lower Zambezi area, unknown number in the Gonarezhou National Park (5,053 km<sup>2</sup>)<sup>91</sup>. Cheetahs are on the sixth schedule of the Parks and Wildlife Act and are also specially protected, which means that it is illegal to kill a cheetah under any circumstance without a Section 37 permit. This includes trophy hunting a cheetah, killing one as a problem animal or live capture. The Government opened trophy hunting on the cheetah in 1990, which is monitored by "hunting returns". Quota's set at the January 1992 CITES meeting allows for the export of 50 animals<sup>16</sup>.  
*Principal Threats.* Conflict with farmers and livestock and illegal killing of cheetah.

## GEOGRAPHY

**Climate:** tropical; moderated by altitude; rainy season (November to March)

**Terrain:** mostly high plateau with higher central plateau (high veld); mountains in east

**Natural resources:** coal, chromium ore, asbestos, gold, nickel, copper, iron ore, vanadium, lithium, tin, platinum

**Natural hazards:** recurring droughts; floods and severe storms are rare

**Environment—current issues:** deforestation; soil erosion; land degradation; air and water pollution; the black rhinoceros herd—once the largest concentration of the species in the world—has been significantly reduced by poaching

**Environment—international agreements:**

*party to:* Biodiversity, Climate Change, Desertification, Endangered Species, Law of the Sea, Ozone Layer Protection

## PEOPLE

**Ethnic groups:** African 98% (Shona 71%, Ndebele 16%, other 11%), white 1%, mixed and Asian 1%

**Religions:** syncretic (part Christian, part indigenous beliefs) 50%, Christian 25%, indigenous beliefs 24%, Muslim and other 1%

**Languages:** English (official), Shona, Sindebele (the language of the Ndebele, sometimes called Ndebele), numerous but minor tribal dialects

## GOVERNMENT

**Data code:** ZI

**Government type:** parliamentary democracy



**Independence:** 18 April 1980 (from UK)

**Legal system:** mixture of Roman-Dutch and English common law

**Diplomatic representation in the US:**

*chief of mission:* Ambassador Amos Bernard Muvengwa MIDZI

*chancery:* 1608 New Hampshire Avenue NW, Washington, DC 20009

*telephone:* [1] (202) 332-7100

*FAX:* [1] (202) 483-9326

**Diplomatic representation from the US:**

*chief of mission:* Ambassador Thomas McDONALD

*embassy:* 172 Herbert Chitepo Avenue, Harare

*mailing address:* P. O. Box 3340, Harare

*telephone:* [263] (4) 794521

*FAX:* [263] (4) 796488

## ECONOMY

**Economy—overview:** The government of Zimbabwe faces a wide variety of difficult economic problems as it struggles to consolidate earlier progress in developing a market-oriented economy. Its involvement in the war in the Democratic Republic of the Congo, for example, has already drained hundreds of millions of dollars from the economy. Badly needed support from the IMF suffers delays in part because of the country's failure to meet budgetary goals. Inflation rose from an annual rate of 25% in January 1998 to 47% in December and will almost certainly continue to increase in 1999. AIDS is steadily weakening the economy; Zimbabwe has one of the highest rates of infection in the world. Per capita GDP, which is twice the average of the poorer sub-Saharan nations, will increase little if any in the near-term, and Zimbabwe will suffer continued frustrations in developing its agricultural and mineral resources.

**Labor force—by occupation:** NA

**Industries:** mining (coal, clay, numerous metallic and nonmetallic ores), copper, steel, nickel, tin, wood products, cement, chemicals, fertilizer, clothing and footwear, foodstuffs, beverages

**Agriculture—products:** corn, cotton, tobacco, wheat, coffee, sugarcane, peanuts; cattle, sheep, goats, pigs

**Exports:** \$1.7 billion (f.o.b., 1998 est.)

**Exports—commodities:** tobacco, gold, ferroalloys, cotton (1997)

**Exports—partners:** South Africa 12%, UK 11%, Germany 8%, Japan 6%, US 6% (1997 est.)

**Imports:** \$2 billion (f.o.b., 1998 est.)

**Imports—commodities:** machinery and transport equipment 39%, other manufactures 18%, chemicals 15%, fuels 10% (1997 est.)

**Imports—partners:** South Africa 37%, UK 7%, US 6%, Japan 6% (1997 est.)

**Currency:** 1 Zimbabwean dollar (Z\$) = 100 cents

**Exchange rates:** Zimbabwean dollars (Z\$) per US\$1—39.3701 (January 1999), 21.4133 (1998), 11.8906 (1997), 9.9206 (1996), 8.6580 (1995), 8.1500 (1994)

## COMMUNICATION

**Telephone system:** system was once one of the best in Africa, but now suffers from poor maintenance  
*domestic:* consists of microwave radio relay links, open-wire lines, and radiotelephone communication stations

*international:* satellite earth station—1 Intelsat (Atlantic Ocean)

**Radio broadcast stations:** AM 8, FM 18, shortwave 0

Television broadcast stations: 16 (1997)