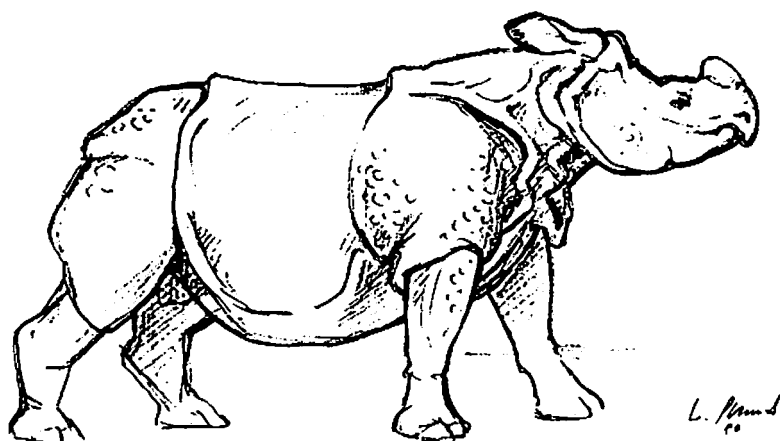


INTERNATIONAL STUDBOOK

1998

GREATER ONE-HORNED RHINOCEROS
RHINOCEROS UNICORNIS (LINNÉ 1758)



ZOO BASEL

**International Studbook
for the
Greater One-Horned Rhinoceros
Rhinoceros unicornis (Linné 1758)**

Report date 31 December 1998

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Introduction

I would like to thank all the zoos and institutions that keep Greater one-horned rhinoceros for their cooperation which allows me to keep and update this studbook every year. Of the 53 institutions, 35 responded to our annual questionnaire. All the data of the annual reports returned by 15 March 1999 have been considered in this edition of the studbook.

Thanks too to Dr. Samuel Zschokke, Department of Integrative Biology, section Conservation Biology (director Prof. Dr. B. Baur), University of Basel, who has carried out the demographic and genetic analyses for this studbook.

Further thanks are due to the IUCN/SSC Asian Rhino Specialist Group (AsRSG), who allowed me to publish the latest estimated numbers of Asian Rhinos in protected areas in the wild.

Based on the book by L. C. Rookmaaker, 'The Rhinos in Captivity (1998)', the following studbook numbers have changed their entry of first location to Gauhati, and some breeder names have also changed since the location of capture could be exactly defined.

First location Gauhati:

Stud# 33	Stud# 91	Stud# 155
Stud# 46	Stud# 92	Stud# 156
Stud# 48	Stud# 94	Stud# 194
Stud# 66	Stud# 95	Stud# 215
Stud# 67	Stud# 128	Stud# 216
Stud# 73	Stud# 151	Stud# 217
Stud# 76	Stud# 153	Stud# 218
Stud# 81	Stud# 154	

The new breeder names are:

Stud# 24: Kaz 39	Stud# 73: Assam 33
Stud# 25: Kaz 41	Stud# 76: Assam 32
Stud# 30: Kaz 49	Stud# 81: Kaz 43
Stud# 48: Kaz 42	Stud# 154: Assam 34

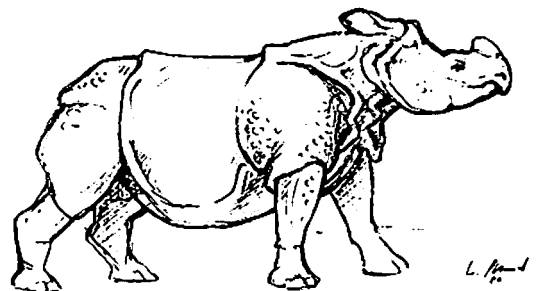
Thank you very much for your good cooperation.

Gabriele Wirz-Hlavacek
International Studbook Keeper

Biological Data

Greater One-Horned Rhinoceros

- Distribution:** northern India, southern Nepal
- Population status:** seriously endangered, CITES Appendix I
- Habitat:** floodplains, riverine grasslands, marshlands, not far from water
- Food:** grass, leaves, twigs, fruit
- Behaviour:** solitary, except mother-calf units, sometimes groups of subadults
- Reproduction:** one calf
- Birth weight:** 55.5 – 90 kg
- Gestation length:** approximately 16 months (480 days)
- Oestrus cycle:** 36 to 58 days
- Interbirth interval:** 3 years
- First reproduction:** males 9 years, females 5 years
- In captivity:** female 4 years and 77 days
male 7 years and 7 months
- Size and weights:** body weight: 1500-2000 kg
shoulder height: 1.75-2.0 metres
length: 2.1-4.2 metres
one horn, horn length: 20-61 cm
- Longevity:** In Philadelphia, the male rhino Jim died on 6 December 1904 after 40 years and 140 days in captivity



Species Status

The Greater one-horned rhinoceros is classified as a seriously endangered species, listed in CITES Appendix I. The main threats to this species are the loss of its habitat and poaching for the horn.

The latest meeting of the IUCN/SSC Asian Rhino Specialist Group (AsRSG) was held at Kaziranga in February 1999. The 1999 population is estimated to be 2471 wild individuals in India and Nepal in protected areas. The number of Asian Rhinos stated for India is 1819 and for Nepal 652. A report will be published by the IUCN/SSC this year.

The International Studbook for the Greater One-Horned Rhinoceros lists a total of 258 animals. 73 males and 63 females were alive on 31 December 1998 and were kept in 51 institutions.

Captive propagation in zoos and other conservation centres plays an important role in the conservation of the Greater one-horned rhinoceros. Controlled breeding programmes aim to maximise the preservation of genetic diversity in captivity. It is very important for us, the studbook keeper and the species coordinator, that all institutions which keep Greater one-horned rhinoceroses cooperate.

Demographic and Genetic Analyses

Demographic Analyses

On 31 December 1998, the International Studbook recorded 136 (73.63) Greater one-horned rhinoceroses housed in 51 zoos and wild parks in Asia, North America and Europe. Of these 136 rhinoceroses, 92 (53.39 = 68%) were captive-born. The age structure is reasonably healthy (Fig. 1) with some shortage of juvenile males and females. In the last years, two individuals (0.2) have been imported from the wild, namely Stud# 256 and Stud# 257, which had been captured in Nepal and brought to the Whipsnade Wild Animal Park (UK).

The captive population grew regularly until 1991, when it reached 126 (73.53) individuals. During the following years, the population remained more or less stable, but it has started to grow again in the last few years, thanks to very few deaths in 1998 and many successful reproductions at various institutions.

The Greater one-horned rhinoceros has a maximum lifespan of approximately 40 years, both for females and for males. Infant mortality (birth to 6 months, including stillbirths) is high (20-27%) in both sexes. Juvenile and young adult mortality (6 months to 12 years) is low, on average less than 1% p.a. From 12 years onwards, mortality increases exponentially (Fig. 2). There is no obvious difference in mortality between the two sexes.

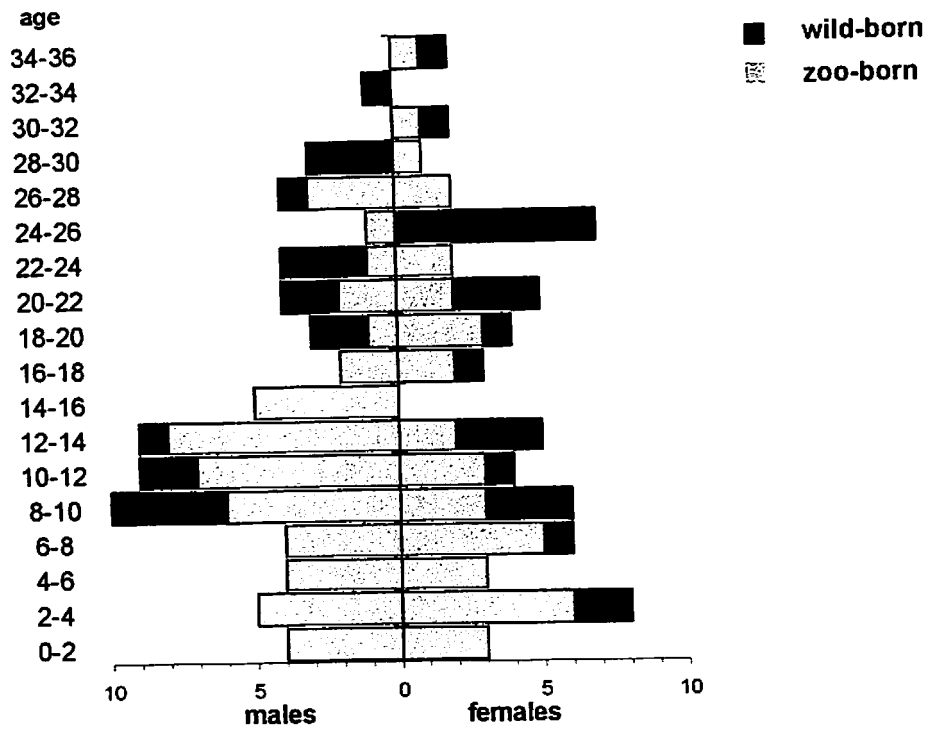


Fig. 1- Age structure of the captive population of the Greater one-horned rhinoceros. Dark shading indicates wild-born animals. There is one wild-born male with unknown age (Stud# 157), which has been omitted.

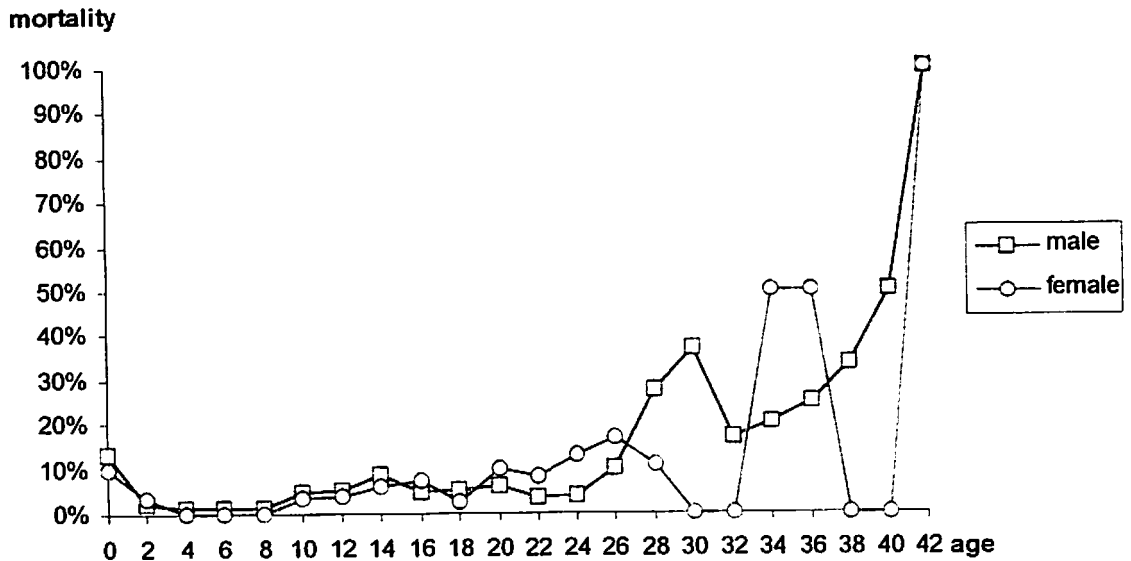


Fig. 2 – Mortality in captive-held Greater one-horned rhinoceroses. Data for ages > 30 are very unreliable due to small sample sizes. Stillborn individuals have been omitted from this graphic. If they were included, the mortality of age class 0 (0 to 2 years old) would be 23.3% in males and 28.6% in females.

The reproductive phase of the Greater one-horned rhinoceros lies between four and 32 years in females and 7 and 40 years in males (Table 1, Fig. 3). The age-specific fertility of females shows a concave shape. In contrast, no age-specific decline in male fertility can be detected in the data so far available. The average generation time is 15 years. The gestation is about 478 days (SD = 8.8) for offspring of both sexes.

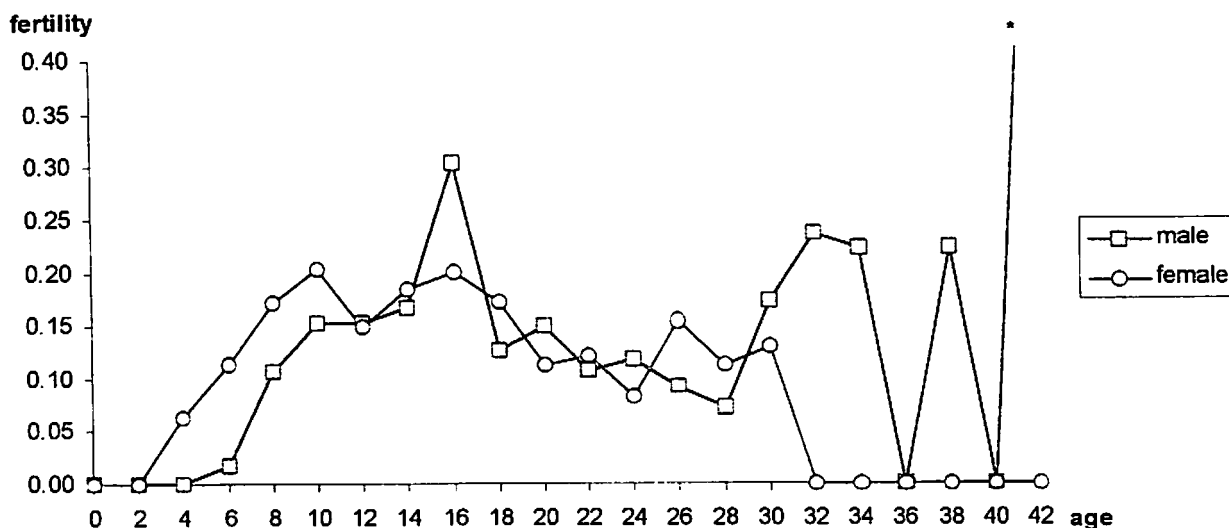


Fig. 3 – Age-specific fertility in captive-held Greater one-horned rhinoceros. Data for ages > 30 are very unreliable due to small sample sizes. * This data point is high (0.76) due to a low sample-size artefact.

Table 1

List of youngest and oldest sires and dams to reproduce. In many cases, the age of the parent is uncertain.

young sires

sire	age sire	offspring	sex	birth
152 Stutt 9	7y 7m	237 Mun 1	m	13/ 7/96 3)
24 Kaz 39	7y 9m	29 Gauh 2	f	10/ 7/63 1)
106 Hyde 3	7y 11m	163 SDWAP 11	f	20/ 4/89 2)
5 Kaz 4	8y 4m	14 Basel 1	m	14/ 9/56 1)
86 Stutt 3	8y 4m	167 Dvkr 1	f	14/ 1/86
71 Stutt 2	8y 4m	122 Kan 1	f	1/10/82

old sires

sire	age sire	offspring	sex	birth
10 Assam 5	42y 1m	223 Phil 5	f	5/10/94 1)
10 Assam 5	38y 10m	187 Phil 4	m	24/ 7/91 1)
10 Assam 5	35y 11m	147 Phil 3	m	14/ 8/88 1)
1 Assam 1	34y 3m	79 Myso 3	f	19/ 7/75 1)
26 Basel 3	33y 4m	236 SDWAP 25	m	4/ 1/96
10 Assam 5	33y 2m	126 Phil 2	m	3/11/85 1)

young dams

dam	age dam	offspring	sex	birth
209 SDWAP 19	4y 77d	249 SDWAP 29	m	23/11/97
99 SDWAP 3	4y 128d	112 SDWAP 5	m	25/ 7/82
130 SDWAP 8	4y 183d	182 SDWAP 13	f	20/ 7/90
182 SDWAP 13	4y 185d	226 Ber-T 3	f	21/ 1/95
17 Basel 2	4y 204d	27 Basel 4	m	9/ 3/63
143 SDWAP 9	4y 208d	188 SDWAP 15	m	22/12/91

old dams

dam	age dam	offspring	sex	birth
29 Gauh 2	31y 5m	224 SDWAP 21	m	26/11/94
7 Kaz 5	31y 0m	88 Basel 17	m	16/ 7/78 1)
29 Gauh 2	29y 0m	198 SDWAP 17	f	21/ 7/92 3)
7 Kaz 5	28y 3m	80 Basel 14	f	10/10/75 1)
11 Assam 6	27y 1m	79 Myso 3	f	19/ 7/75 1)
29 Gauh 2	26y 7m	180 SDWAP 12	m	27/ 1/90

1) age uncertain 2) stillbirth 3) aborted

A comparison between those offspring that survived and those that were either stillborn or died within a few days shows that those that died had a lower birth weight. With few exceptions, offspring with a birth weight below approximately 57 kg died, while those with a higher birth weight survived. The birth weight itself seems to be influenced by the parousity of the dam: first-born offspring have on average a lower birth weight (56.5 kg, SD=5.4, n=9) than later-born ones (67.8 kg, SD=9.1, n=24; $t=3.46$, $p=0.0016$). Overall, first-born offspring had a higher mortality (39.5%, n=38) than later-born ones (18.7%, n=107; $p = 0.015$).

Genetic Analysis

In the last studbook (1997), we discussed the threat of inbreeding on the captive rhinoceros population, and we advocated the use of the mean kinship to determine which animals should be used for breeding. Even though the situation has not changed much (we cannot expect this in such a short time period), it has improved somewhat (Table 5), despite the fact that new inbred offspring have been born (cf. Table 2). It must be said that in the captive population of the Greater one-horned rhinoceroses, there is still no indication that inbred offspring have a lower survival rate than non-inbred ones (Zschokke *et al.* 1998).

Table 2

Inbreeding coefficients of all inbred Greater one-horned rhinoceroses. Individuals marked with a '+' are dead.

0.375		0.250		0.188		0.109	
141	Dvkr 2	27	Basel 4 +	86	Stutt 3 +	253	Rott 1
148	Basel 21	34	Basel 6 +	93	Stutt 4		
149	Basel 22 +	84	Basel 15 +	109	Stutt 5	0.094	
167	Dvkr 1 +	87	Basel 16	117	Stutt 6	201	Antw 5
181	Basel 23	100	Basel 18 +	123	Stutt 7	246	Antw 8 +
183	Basel 24	110	Basel 19	135	Stutt 8		
195	Basel 25	112	SDWAP 5 +	152	Stutt 9	0.078	
206	Basel 26	119	Basel 20 +	185	Stutt 10	245	Dvkr 3
209	SDWAP 19	124	SDWAP 7				
210	Basel 27	143	SDWAP 9	0.125		0.047	
240	Basel 28	173	Gauh 6	89	Ber-Z 3	196	Antw 4 +
		226	Ber-T 3	237	Mun 1 +	208	Antw 6 +
		236	SDWAP 25			229	Antw 7
						255	Antw 9

A large number of equally represented founders is of decisive importance for the building of a viable captive population. In the case of the Greater one-horned rhinoceros, this goal has not yet been achieved. Today's captive population is based on 36 founder animals, which are very unequally represented (Fig. 4).

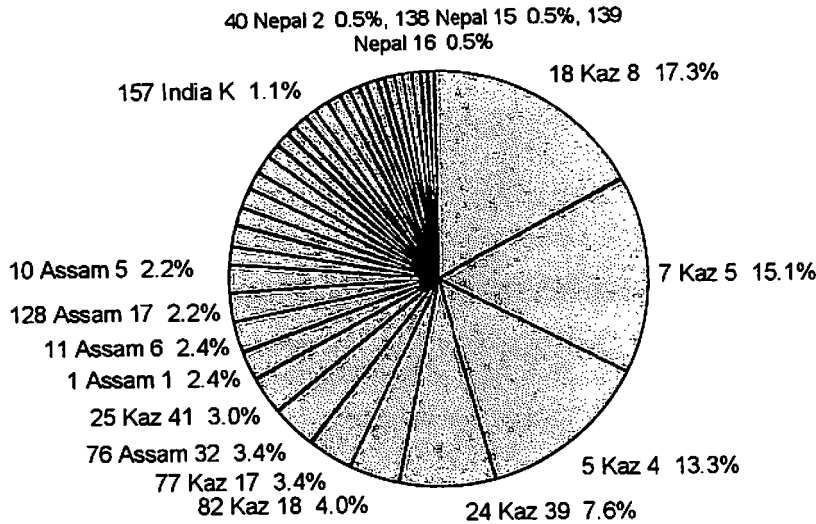


Fig. 4 – Distribution of founder representations in today's living captive-born population of the Greater one-horned rhinoceros. It shows that the four best represented founders (Stud# 5, 7, 18 and 24) have contributed more than half (53.3%) of all genes found in the living captive-born population. The other 32 founders contributed the other half of the genes. The colour indicates the origin of the founders (blue: Assam, red: Nepal). Stud# 157 was probably captured in Nepal.

It is vital that in the future, no individuals with a high proportion (50% or more) of their genes coming from the three best represented founders (Stud# 5, 7 & 18) are used for breeding. On the other hand, breeding with individuals imported from the wild and with offspring from underrepresented founders should be encouraged; these individuals can be identified by their low mean kinship values (Table 3). There are also still 28 (14.14) mature, wild-born individuals that have not yet reproduced (Table 4).

Table 4

List of potential founders (wild caught animals that have not yet reproduced) sorted by sex and age. Individuals marked with a "*" are not yet mature.

males			females								
49	Nepal	3	Washington (USA)	29y	6m	50	Nepal	4	Miami (USA)	34y	4m
172	Kaz	23	Gauhati (India)	26y	5m	64	Assam	10	Nagoya (Japan)	25y	4m
61	Kaz	13	Mysore (India)	23y	11m	153	Kaz	21	Bhubaneswar (India)	24y	6m
154	Assam	34	Bhubaneswar (India)	21y	11m	219	Assam	29	Calcutta (India)	24y	5m
156	Assam	20	Patna (India)	21y	10m	92	Assam	16	Lucknow (India)	20y	9m
217	Assam	28	Bombay (India)	19y	9m	243	Nepal	27	Chiang Mai (Thailand)	20y	8m
170	Assam	22	Gauhati (India)	18y	10m	98	Nepal	7	Peking (China)	20y	3m
174	Assam	24	Jaldapara (India)	12y	11m	171	Assam	23	Gauhati (India)	18y	6m
175	Assam	25	Trivandrum (India)	10y	9m	137	Nepal	14	San Diego WAP (USA)	12y	2m
177	Kaz	24	Trivandrum (India)	10y	5m	144	Nepal	17	Berlin Zoo (Germany)	11y	0m
178	Kaz	25	Jaldapara (India)	9y	6m	193	Nepal	20	Munich (Germany)	9y	4m
164	Nepal	18	Singapore	9y	3m	191	Nepal	23	Fort Worth (USA)	9y	2m
190	Nepal	22	Fort Worth (USA)	9y	2m	192	Kaz	27	Gauhati (India)	8y	5m
179	Kaz	26	Tripura (India)	8y	7m	204	Nepal	21	Stuttgart (Germany)	6y	2m
						256	Nepal	28*	Whipsnade (UK)	2y	9m
						257	Nepal	29*	Whipsnade (UK)	2y	7m

Table 3
 Ordered list of the mean kinship (mk) of all living individuals.
males

Stud #	mk	age	Stud #	mk	age	Stud #	mk	age
190	0.0000	9	166	0.0109	9	255	0.0634	0
179	0.0000	9	69	0.0109	25	188	0.0659	7
164	0.0000	9	222	0.0170	4	249	0.0677	1
178	0.0000	10	53	0.0177	28	224	0.0756	4
177	0.0000	10	96	0.0197	20	180	0.0756	9
175	0.0000	11	176	0.0220	10	146	0.0756	11
174	0.0000	13	186	0.0241	7	116	0.0756	16
170	0.0000	19	160	0.0241	10	101	0.0783	18
217	0.0000	20	140	0.0241	12	253	0.0803	1
154	0.0000	22	129	0.0241	14	83	0.0911	23
156	0.0000	22	57	0.0291	27	236	0.0918	3
61	0.0000	24	106	0.0312	18	124	0.0923	14
172	0.0000	26	173	0.0383	12	60	0.0932	27
49	0.0000	30	254	0.0394	0	87	0.0935	21
215	0.0027	23	239	0.0432	2	152	0.0974	10
35	0.0041	34	187	0.0527	7	135	0.0974	12
250	0.0054	13	147	0.0527	10	123	0.0974	14
157	0.0054	17	126	0.0527	13	117	0.0974	15
169	0.0054	23	134	0.0571	12	109	0.0974	17
94	0.0054	29	132	0.0588	12	206	0.1001	6
150	0.0068	15	220	0.0592	5	141	0.1002	11
125	0.0082	13	227	0.0597	4	240	0.1016	2
151	0.0082	29	184	0.0597	8	181	0.1016	9
251	0.0109	3	145	0.0602	11			
202	0.0109	6	115	0.0629	16			

females

Stud #	mk	age	Stud #	mk	age	Stud #	mk	age
257	0.0000	3	97	0.0068	20	113	0.0585	16
256	0.0000	3	203	0.0082	7	244	0.0592	1
204	0.0000	6	159	0.0082	10	182	0.0605	8
192	0.0000	8	194	0.0082	17	89	0.0616	19
191	0.0000	9	66	0.0095	26	229	0.0634	3
193	0.0000	9	252	0.0109	1	130	0.0817	13
144	0.0000	11	128	0.0109	26	201	0.0824	6
137	0.0000	12	189	0.0170	7	245	0.0825	1
171	0.0000	19	79	0.0177	23	99	0.0827	21
98	0.0000	20	51	0.0190	28	80	0.0891	23
243	0.0000	21	235	0.0220	4	45	0.0904	29
92	0.0000	21	168	0.0332	21	143	0.0957	12
219	0.0000	24	241	0.0340	2	55	0.0966	27
64	0.0000	25	230	0.0394	3	185	0.0986	8
153	0.0000	25	238	0.0432	2	110	0.0989	17
50	0.0000	34	38	0.0479	32	209	0.0997	5
139	0.0027	12	226	0.0486	4	93	0.0998	19
138	0.0027	13	29	0.0493	35	183	0.1001	8
95	0.0027	25	223	0.0527	4	148	0.1001	10
40	0.0027	32	161	0.0544	9	210	0.1016	5
155	0.0054	25	131	0.0557	13	195	0.1016	7

In addition to the risks of inbreeding, there is also a potential danger in outbreeding, i.e. breeding with individuals that originate from populations which have been separated so long ago that they have become at least partially incompatible from a genetical point of view. In the case of the Greater one-horned rhinoceros, this may be the case with the two populations from Assam and from Nepal. These two populations have been separated for at least several centuries, and they are morphologically slightly distinct (Groves 1993). Most of the individuals used for breeding in captivity are descendants from rhinos caught in Assam (Fig. 4); only four individuals that originate from the Nepal population have reproduced, all of them with a partner from the Assam population. So far, only 50% (5 out of 10) of the offspring of these mixed pairs survived the first 6 months. This proportion is much smaller than that of the pure Assam births, where 113 out of 145 (78%) survived their first six months. Whether this difference in survival rates is due to genetic differences between the two populations or whether it is just a coincidence is currently an open question. We plan - in collaboration with all institutions that keep Greater one-horned rhinoceroses - to conduct a genetic study to answer this question. There is nothing to add to the statement by Rookmaaker (1998, p. 34): "Until further investigations have been carried out [...] it may be advisable not to mix specimens from the two populations, if this can be avoided".

Genetic summary of the current captive population and the comparison with the values for Dec. 1996 and Dec. 1988. The calculations for the figures for Dec. 1996 and Dec. 1988 are based on the latest studbook data and differ therefore slightly from those published previously.

	12/98	12/96	12/88
Number of founders	36	36	31
Potential number of founders	66	64	62
Founder genomes surviving	23.6287	23.3703	19.7916
Mean inbreeding coefficient	0.0754	0.0770	0.0654
Average mean kinship	0.0584	0.0607	0.0716
Gene diversity	0.9416	0.9393	0.9284
Founder genome equivalents	8.5555	8.2388	6.9801

General Breeding Recommendations

The following general breeding recommendations are based on the SSP® central dogma (Dee 1994):

- I The first priority is to breed individuals of lowest mean kinship. The genes of these individuals are underrepresented and, therefore, these individuals possess the rarest alleles in the population.
- II Among individuals with low mean kinship, the second priority is to breed with those whose alleles may be lost soon, i.e. with individuals nearing reproductive senescence.
- III During pairing, pair individuals according to the following ordered criteria:
 - a) mate individuals with roughly similar mean kinship to avoid combining rare and common alleles in offspring, which reduces long-term gene diversity
 - b) mate individuals whose offspring will have low inbreeding coefficients for the best probability of viable, healthy offspring
 - c) maximise mating success on the basis of the knowledge of age of individuals, mate-choice, social structure, etc.
 - d) minimise logistic difficulties (distance and cost of transport of individuals, quarantines, interinstitutional conflicts, etc.).

EEP-Members of the Species Committee

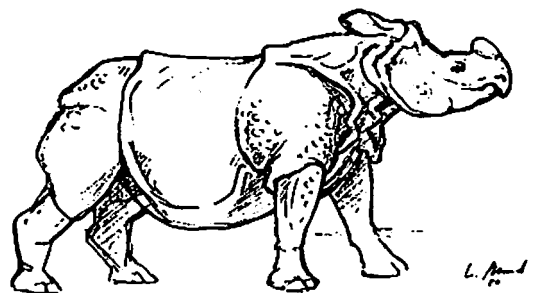
12 institutions participate in this EEP. The following persons are members of the Species Committee:

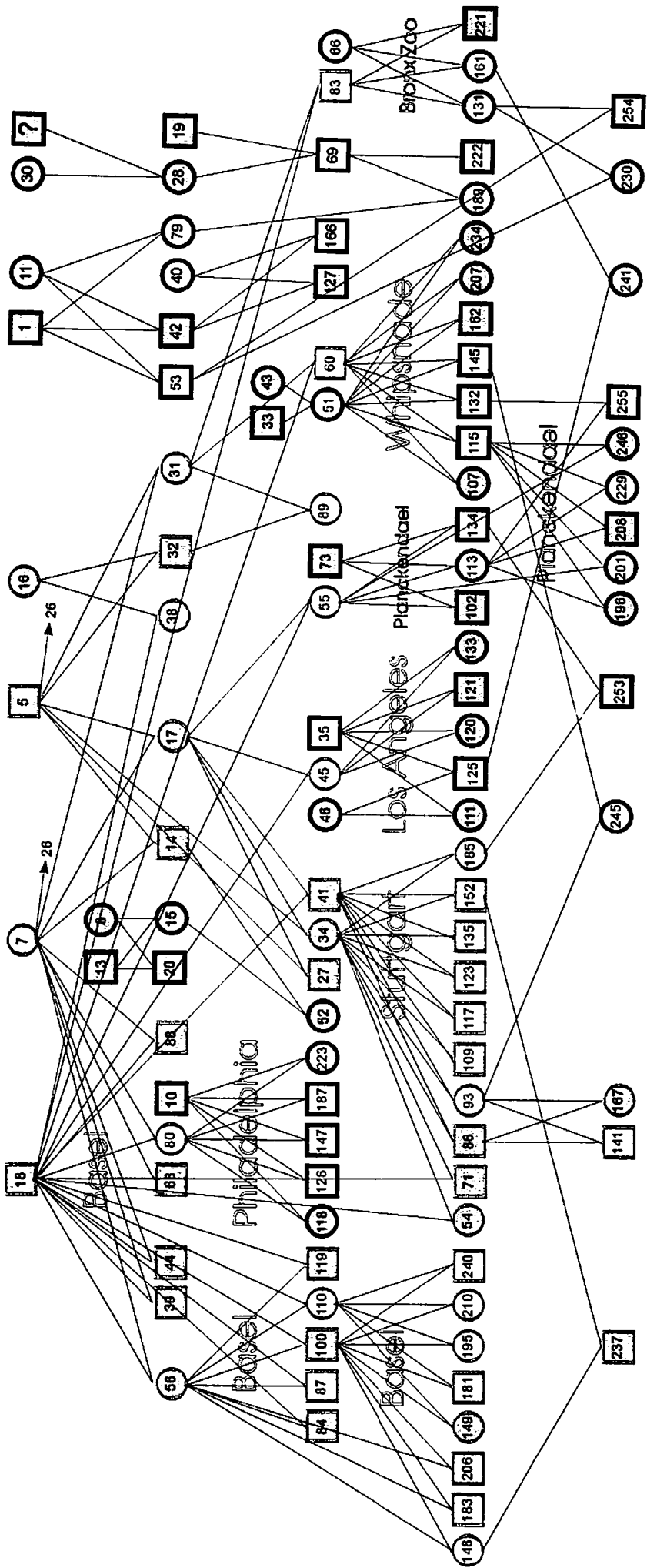
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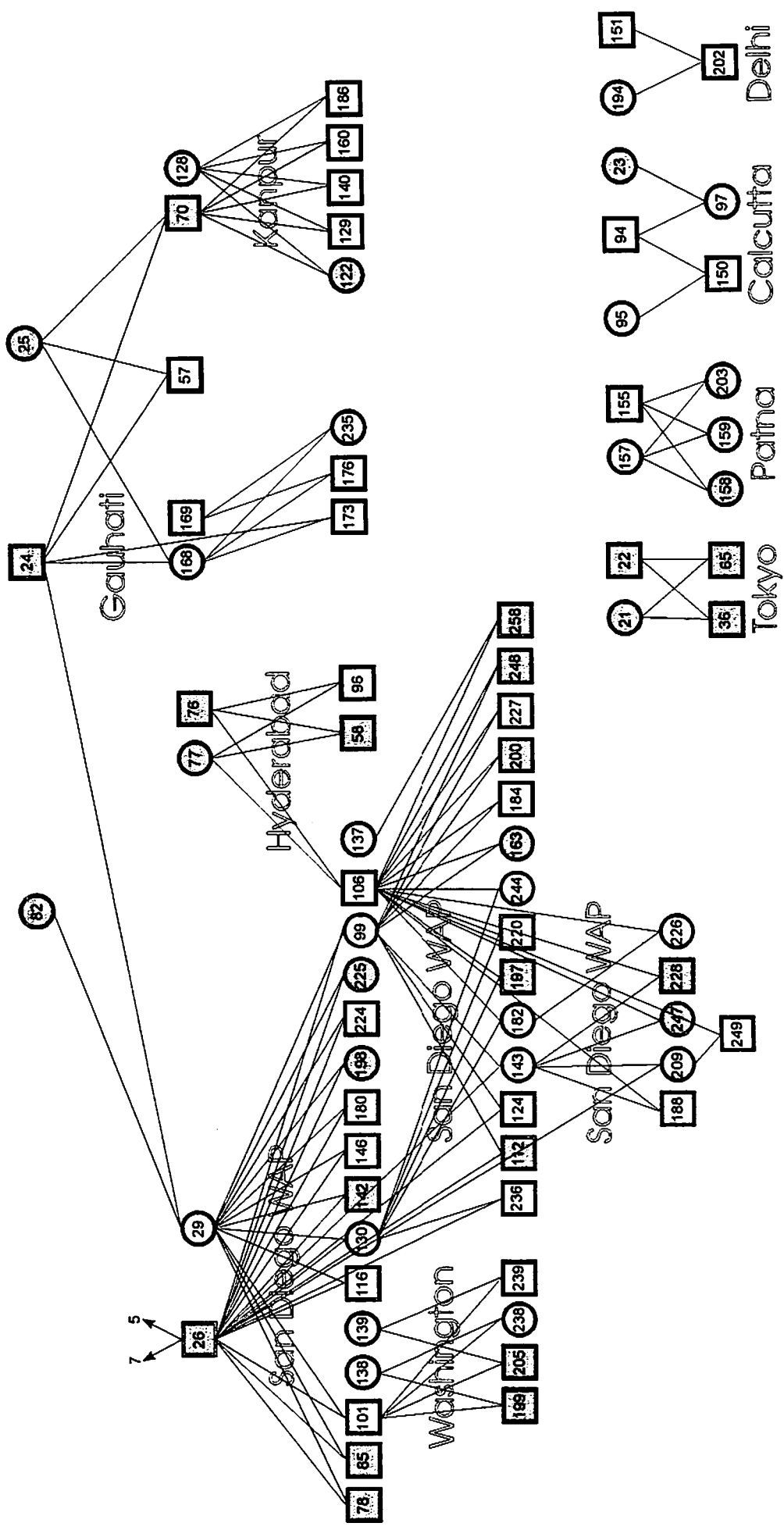
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PEDIGREE of the Greater One-Horned Rhinoceros







- ♂ male
- ♀ female
- ♂ (with X) dead male
- ♀ (with X) dead female
- ♂ (with X) offspring Basel (inc. founders)
- ♀ (with X) offspring San Diego WAP
- ♂ (with X) wild male

Abbreviations

Breeder name:

Assam	= animals born in Assam, including the Kaziranga Reserve
Kaz	= animals born in the Kaziranga Reserve
Nepal	= animals born in Nepal
India	= animals born on the Indian subcontinent, including Nepal

The breeder name shows the name of the place where an animal was born or captured. The following letter or number indicates the sequence of birth or capture.

For example: Kaz 5 = the 5th animal captured in the Kaziranga Reserve
Basel 28 = the 28th animal born in Basel

Sex:

F = female, M = male, U = unknown sex

Status:

B = Birth, P = Purchase, L = Loan, R = Return from loan, D = Donation, T = Trade



Events 1998

Births in 1998

Stud#	Sex	Sire	Dam	Breeder	Location	Housename	ISIS	Birthdate
0253	M	0134	0185	Rott 1	Rotterdam	Kaila Padam	105672	04.01.98
0254	M	0053	0131	Neyo 5	Bronx Zoo	Michael Cline	981132	27.07.98
0255	M	0115	0113	Antw 9	Planckendael	Zimon	184012	21.09.98
0258	M	0106	0137	SDWAP 30	San Diego WAP		698678	21.12.98

Deaths in 1998

Stud#	Sex	Sire	Dam	Breeder	Location	ISIS	Deathdate	Age
0258	M	0106	0137	SDWAP 30	San Diego WAP	698678	21.12.98	0 d

Transfers in 1998

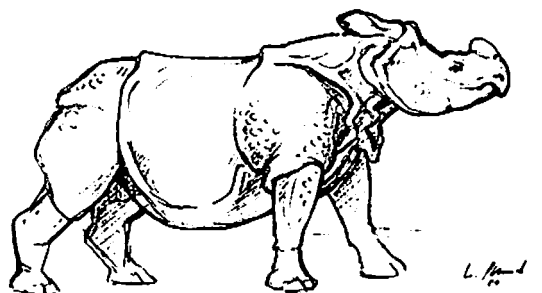
Transferdate	Stud#	Old Location	Status	New Location	Owner
23.04.98	0139	Washington	Loan to	Bronx Zoo	Washington
04.05.98	0101	Philadelphia	Loan to	Montgomery	Washington
21.05.98	0239	Washington	Loan to	The Wilds	Washington
21.05.98	0238	Washington	Loan to	The Wilds	Washington
14.06.98	0049	Miami	Loan to	Washington	Miami
27.08.98	0222	Toronto	Loan to	Philadelphia	Washington
22.09.98	0256	Wild	Donation to	Whipsnade	Whipsnade
30.09.98	0187	Buffalo	Donation to	Buffalo	Buffalo
08.10.98	0240	Basel	Donation to	Tama Zoo	Tama Zoo
13.10.98	0132	Chester	Loan to	Berlin Zoo	Whipsnade
03.11.98	0257	Wild	Donation to	Whipsnade	Whipsnade
06.11.98	0241	Oklahoma	Loan to	Buffalo	Los Angeles

Imports in 1998

Stud#	Sex	Captured	First Location	Arrival	Age	Origin
0256	F	01.03.96	Whipsnade	22.09.98	2y 6 m	Chitwan, Nepal
0257	F	01.06.96	Whipsnade	03.11.98	2y 5m	Chitwan, Nepal

APPENDIX I

International Studbook Population





ZOO BASEL

Studbook population
Report date: 31.12.1998

Greater One-Horned Rhinoceros

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0001	M	WILD	WILD	Assam 1	24.04.1965	MYSORE	P	Kasi		30.04.1979
0002	F	WILD	WILD	Kaz 1	15.05.1948 24.06.1948	SHIP BROOKFIELD ZOO	? P	Kamala-Rani		06.05.1968
0003	M	WILD	WILD	Kaz 2	24.06.1948	BROOKFIELD ZOO	P	Kashi-Ram		13.11.1970
0004	F	WILD	0002	Kaz 3	16.05.1948	SHIP	B			16.05.1948
0005	M	WILD	WILD	Kaz 4	30.05.1951	BASEL	P	Gadadhar	510001	25.11.1964
0006	M	WILD	WILD	Kaz 33	05.09.1951	ROME	P	Tomy		28.02.1983
0007	F	WILD	WILD	Kaz 5	08.07.1952	BASEL	P	Joymothi	520016	10.11.1983
0008	F	WILD	WILD	Kaz 34	16.07.1952 26.04.1976	WHIPSDADE AMSTERDAM	P L	Mohini		25.04.1985
0009	F	WILD	WILD	Kaz 35	17.06.1953 07.12.1976	PHILADELPHIA SAN DIEGO WAP	P L	Kanaklota	100248 101985	12.05.1977
0010	M	WILD	WILD	Assam 5	14.09.1955	PHILADELPHIA	P	Kanakbala	100249	06.01.1996
0011	F	WILD	WILD	Assam 6	15.06.1956	MYSORE	P	Rani		07.05.1992
0012	M	WILD	WILD	Kaz 6	29.05.1956	TRIVANDRUM	P	Moni		16.02.1987
0013	M	WILD	WILD	Kaz 36	07.08.1947	WHIPSDADE	P	Mohan		07.03.1961
0014	M	0005	0007	Basel 1	14.09.1956 20.07.1959	BASEL MILWAUKEE	B P	Rudra	560017	06.02.1987
0015	F	0013	0008	Whip 1	29.10.1957 20.07.1959	WHIPSDADE MILWAUKEE	B P	Mohinija		24.06.1975



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0016	F	WILD	WILD	Kaz 7	11.08.1957	HAMBURG	P	Nepali II		
					21.09.1962	BASEL	L			
					28.05.1963	HAMBURG	R			
					03.11.1965	BASEL	L			
					13.04.1966	HAMBURG	R			
					25.05.1968	LOS ANGELES	L			
										22.01.1971
0017	F	0005	0007	Basel 2	17.08.1958	BASEL	B	Moola	580018	
0018	M	WILD	WILD	Kaz 8	22.09.1959	BERLIN ZOO	P	Arjun	650023	
					08.07.1965	BASEL	P			
										15.04.1983
0019	M	WILD	WILD	Assam 30	26.05.1960	WASHINGTON	P	Tarun		
					01.04.1981	BRONX ZOO,NY	L			
					16.12.1983	OKLAHOMA	L			
										25.09.1989
0020	M	0013	0008	Whip 2	18.08.1960	WHIPSHADE	B	Manik		
0021	F	WILD	WILD	Kaz 37	06.06.1961	CALCUTTA	P	Lauie/Rani		
					16.07.1961	TOKYO	P			
										03.12.1991
0022	M	WILD	WILD	Kaz 38	10.11.1958	TOKYO	P	Tamao	267	
0023	F	WILD	0021	Calc 3	12.06.1961	CALCUTTA	B	Sneha		
0024	M	WILD	WILD	Kaz 39	24.09.1960	GAUHATI	P	Shivaji		
0025	F	WILD	WILD	Kaz 41	25.09.1965	GAUHATI	P	Padmini Jr.		
0026	M	0005	0007	Basel 3	31.08.1962	BASEL	B	Lasai	620010	
					12.10.1963	SAN DIEGO	P			
					26.04.1972	SAN DIEGO WAP	P			100289
					27.06.1995	THE WILDS	L			950701
										08.09.1995
0027	M	0005	0017	Basel 4	09.03.1963	BASEL	B	Khunlai	630021	
					29.09.1964	PARIS	P			
										26.02.1976
0028	F	UNKN	0030	Gauh 1	10.04.1963	GAUHATI	B	Deepali Jr.		
					16.12.1963	WASHINGTON	D			Rajkumari
										09.09.1980
0029	F	0024	0082	Gauh 2	10.07.1963	GAUHATI	B	Jaypuri		
					28.02.1965	SAN DIEGO	P			
					26.04.1972	SAN DIEGO WAP	P			100288
					07.11.1995	GULF BREEZE	L			A1857



Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy	
0030	F	WILD	WILD	Kaz 40	29.10.1962	GAUHATI	P	Deepali		28.12.1963	
					16.12.1963	WASHINGTON	?				
0031	F	0005	0007	Basel 5	12.06.1964	BASEL	B	Miris	640022	02.03.1993	
					06.07.1965	BERLIN ZOO	P				
					08.08.1970	BASEL	L				640022
					28.04.1971	BERLIN ZOO	R				
					10.06.1974	BASEL	L				640022
					06.05.1975	BERLIN ZOO	R				
0032	M	0005	0016	Hamb 1	11.08.1964	HAMBURG	B	Gauhati		09.12.1993	
					06.08.1965	BERLIN ZOO	?				
0033	M	WILD	WILD	Kaz 9	29.06.1960	GAUHATI	P	Mehan/Mohan		06.07.1988	
					24.11.1965	DELHI	?				
0034	F	0005	0017	Basel 6	25.08.1965	BASEL	B	Nanda	650024	13.07.1992	
					29.05.1968	STUTTGART	P				
					03.06.1969	BASEL	L				650024
					09.06.1970	STUTTGART	R				
					19.07.1973	BASEL	L				650024
					24.10.1973	STUTTGART	R				
0035	M	WILD	WILD	Assam 7	08.03.1966	LOS ANGELES	P	Herman	01743		
0036	U	0022	0021	Tokyo 1	20.06.1966	TOKYO	B			20.06.1966	
0037	F	WILD	WILD	Nepal 1	06.08.1966	BERLIN TIERPARK	P	Kanchi		09.01.1967	
0038	F	0018	0016	Hamb 2	09.04.1967	HAMBURG	B	Shita		G2430	
					12.04.1983	BERLIN ZOO	L				
					13.06.1985	HAMBURG	R				
					08.01.1994	SINGAPORE	P				
0039	M	0018	0007	Basel 7	07.07.1967	BASEL	B	Pandur	670021	04.02.1994	
					05.09.1968	HAMBURG	P				
					08.01.1994	SINGAPORE	P				G2429
0040	F	WILD	WILD	Nepal 2	01.08.1967	BERLIN TIERPARK	P	Kuman			
0041	M	0018	0017	Basel 8	22.12.1967	BASEL	B	Puri	670022	20.02.1997	
					03.06.1969	STUTTGART	P				2005
0042	M	0001	0011	Myso 1	13.02.1968	MYSORE	B	Mysore		23.12.1996	
					24.04.1971	BERLIN TIERPARK	P				
0043	F	WILD	WILD	Kaz 10	28.03.1968	DELHI	P	Rengi/Rongi		02.06.1986	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0044	M	0018	0007	Basel 9	27.04.1969	BASEL	B	Ruedi	690023	09.02.1971
					06.10.1970	HOUSTON	P			
0045	F	0018	0017	Basel 10	05.10.1969	BASEL	B	Randa	690025	
					06.10.1970	HOUSTON	P			
					06.04.1972	BROWNSVILLE	?		07940	
					22.11.1974	LOS ANGELES	P			
0046	F	WILD	WILD	Assam 8	23.12.1967	GAUHATI	P	Rukmini		10.11.1988
					29.11.1969	LOS ANGELES	P	Rhadha		
0047	F	WILD	WILD	Kaz 11	30.11.1969	LOS ANGELES	P			23.01.1971
0048	F	WILD	WILD	Kaz 42	29.07.1968	GAUHATI	P	Goiangi		31.01.1970
					23.01.1970	OMAHA	P			
0049	M	WILD	WILD	Nepal 3	23.04.1970	MIAMI	D	Mohan	107	
					14.06.1998	WASHINGTON	L			
0050	F	WILD	WILD	Nepal 4	12.06.1970	MIAMI	D	Shanti	108	
					10.04.1987	PHILADELPHIA	L		101589	
					22.11.1988	BRONX ZOO,NY	L		881458	
					28.03.1990	MIAMI	R		108	
					29.05.1996	BRONX ZOO,NY	L		881458	
					12.10.1996	MIAMI	R		108	
0051	F	0033	0043	Delhi 1	27.01.1971	DELHI	B	Roopa	L259	
					06.02.1973	WHIPSNADDE	T			
0052	F	0014	0015	Milw 1	30.01.1967	MILWAUKEE	B			30.01.1967
0053	M	0001	0011	Myso 2	16.04.1971	MYSORE	B	Vinu	7720	901264
					28.08.1975	GELSENKIRCHEN	P			
					28.06.1976	TORONTO	P			
					30.05.1990	BRONX ZOO,NY	L			
0054	F	0018	0034	Stutt 1	16.07.1971	STUTTGART	B			16.07.1971
0055	F	0018	0017	Basel 11	11.08.1971	BASEL	B	Tutuma	710026	
					05.09.1972	PLANCKENDAEL	P	Zutuma	184003	
0056	F	0018	0007	Basel 12	24.08.1971	BASEL	B	Tanaya	710027	17.02.1996
0057	M	0024	0025	Gauh 3	12.09.1971	GAUHATI	B	Samber		
					02.10.1974	NAGOYA	P	Sanver		
0058	M	0076	0077	Hyde 1	25.11.1971	HYDERABAD	B	Rajesh		11.08.1983



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0060	M	0018	0031	Ber-Z 1	04.04.1972	BERLIN ZOO	B	Kumar	L260	
					15.06.1973	AMSTERDAM	P			
					23.04.1976	WHIPSDADE	T			
0061	M	WILD	WILD	Kaz 13	24.01.1980	GAUHATI	P	Ram		
					29.01.1985	MYSORE	P	Muniya		
0062	M	WILD	WILD	Assam 11	14.04.1952	BOMBAY	P	Lacit		14.09.1980
0063	M	WILD	WILD	Nepal 5	09.09.1966	OMAHA	P			24.02.1975
0064	F	WILD	WILD	Assam 10	03.01.1974	GAUHATI	P	Jaya		
					02.10.1974	NAGOYA	P			
0065	M	0022	0021	Tokyo 2	20.12.1973	TOKYO	B	Saitaro		
					12.12.1978	AMSTERDAM	D			
										24.05.1989
0066	F	WILD	WILD	Kaz 14	14.08.1973	GAUHATI	P	Mayang Kumari		
					30.01.1975	BRONX ZOO,NY	P	Pinky	751511	
0067	F	WILD	WILD	Kaz 15	21.06.1973	GAUHATI	P	Radha		
					30.01.1975	BRONX ZOO,NY	P		751512	
										12.07.1996
0068	M	0018	0007	Basel 13	03.01.1974	BASEL	B		740028	
										03.01.1974
0069	M	0019	0028	Wash 1	30.01.1974	WASHINGTON	B	Patrick	100859	
					29.10.1975	BRONX ZOO,NY	L		751821	
					16.06.1989	TORONTO	L		24640	
0070	M	0024	0025	Gauh 4	23.05.1974	GAUHATI	B	Lachit		
					04.03.1977	KANPUR	?			08.08.1992
0071	M	0018	0034	Stutt 2	05.12.1974	STUTTGART	B	Nabob		
					23.11.1976	GELSENKIRCHEN	P			
					31.10.1977	SAO PAULO	P		9895	13.06.1997
0072	M	WILD	WILD	Nepal 6	15.07.1959	PEKING	P	Xiangka		12.11.1978
0073	M	WILD	WILD	Assam 33	30.07.1970	GAUHATI	P	Sasadev		
					23.03.1971	PLANCKENDAEL	P	Yassam	184002	16.10.1988
0074	M	WILD	WILD	Nepal 24	19.01.1934	ST LOUIS	P	Harry		31.12.1961
0075	M	WILD	WILD	Assam 12	09.06.1953	MADRAS	P	Kushal		15.06.1980



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy	
0076	M	WILD	WILD	Assam 32	28.08.1962	GAUHATI	P	Rajkumar		19.08.1983	
					16.06.1964	HYDERABAD	P				
0077	F	WILD	WILD	Kaz 17	15.06.1968	HYDERABAD	P	Padma		19.08.1983	
0078	M	0026	0029	SDWAP 1	24.03.1975	SAN DIEGO WAP	B		013056	25.03.1975	
0079	F	0001	0011	Myso 3	19.07.1975	MYSORE	B	Indira		11554	
					15.06.1976	GELSENKIRCHEN	P				
					27.04.1979	TORONTO	P				
0080	F	0018	0007	Basel 14	10.10.1975	BASEL	B	Xavira	750029		
					07.11.1979	PHILADELPHIA	P				100925
0081	M	WILD	WILD	Kaz 43	28.06.1971	GAUHATI	P	Santu		03.12.1973	
					12.09.1973	BROWNSVILLE	P				
0082	F	WILD	WILD	Kaz 18	05.10.1958	GAUHATI	P	Padmini		28.10.1964	
0083	M	0018	0031	Ber-Z 2	18.02.1976	BERLIN ZOO	B	Heiner		968001	
					12.07.1981	OKLAHOMA	P				
					19.12.1983	BRONX ZOO,NY	L				831391
0084	M	0018	0056	Basel 15	26.03.1976	BASEL	B	Yamatari	760030	08.09.1987	
					02.11.1977	GELSENKIRCHEN	L				
					02.11.1978	COLOGNE	P				
0085	M	0026	0029	SDWAP 2	18.10.1976	SAN DIEGO WAP	B	Maharaja	101932	20.10.1976	
0086	M	0041	0034	Stutt 3	21.09.1977	STUTTGART	B	Dvityia		G1526	
					12.08.1980	DVUR KRALOVE	P				
					14.06.1992	SINGAPORE	P				
0087	M	0018	0056	Basel 16	26.01.1978	BASEL	B	Assam	780031	100924	
					06.11.1979	PHILADELPHIA	L				
					14.10.1982	BRONX ZOO,NY	P				821339
					29.10.1991	MILWAUKEE	L				3622
					22.05.1996	THE WILDS	L				960503
0088	M	0018	0007	Basel 17	16.07.1978	BASEL	B	Angkor	780032	19.11.1978	
0089	F	0032	0031	Ber-Z 3	13.08.1979	BERLIN ZOO	B	Terai		968102	
					12.07.1981	OKLAHOMA	P				
					16.11.1990	LOS ANGELES	L				95967
					18.02.1997	SAN DIEGO WAP	L				697059
0090	M	WILD	WILD	Assam 14	30.03.1959	LUCKNOW	P	Jai Singh		06.05.1979	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy	
0091	M	WILD	WILD	Assam 15	15.11.1976	GAUHATI	P	Sanjoy		18.01.1980	
					20.10.1979	LUCKNOW	?				
0092	F	WILD	WILD	Assam 16	24.04.1978	GAUHATI	P	Krishna Jr.			
					20.10.1979	LUCKNOW	?				
0093	F	0041	0034	Stutt 4	13.09.1979	STUTTGART	B	Numa			
					22.07.1981	DVUR KRALOVE	P				
0094	M	WILD	WILD	Kaz 19	12.02.1974	GAUHATI	P	Hihua			
					14.03.1974	CALCUTTA	P				Meghnad
0095	F	WILD	WILD	Kaz 20	22.01.1974	GAUHATI	P	Mayuri			
					14.03.1974	CALCUTTA	P				Kadambini
0096	M	0076	0077	Hyde 2	12.11.1978	HYDERABAD	B	Laddu			
0097	F	0094	0023	Calc 1	09.01.1979	CALCUTTA	B	Gomati	462	G4844	
					10.03.1986	COLOGNE	P				
					16.05.1997	SINGAPORE	D				
0098	F	WILD	WILD	Nepal 7	09.10.1980	PEKING	D	Bhunti			
0099	F	0026	0029	SDWAP 3	19.03.1978	SAN DIEGO WAP	B	Gainda	102575		
0100	M	0018	0056	Basel 18	11.01.1980	BASEL	B	Chitawan	800033	13.11.1995	
0101	M	0026	0029	SDWAP 4	08.08.1980	SAN DIEGO WAP	B	Pandu	103996		
					04.11.1982	SAN DIEGO	L				282326
					01.07.1985	WASHINGTON	L				106574
					12.02.1993	WASHINGTON	D				106574
					09.07.1996	PHILADELPHIA	L				103314
					04.05.1998	MONTGOMERY	L				2499
0102	M	0073	0055	Antw 1	03.11.1980	PLANCKENDAEL	B			07.11.1980	
0103	M	WILD	WILD	Nepal 8	27.08.1980	RANGOON	P			01.06.1993	
0104	F	WILD	WILD	Nepal 9	27.08.1980	RANGOON	P			01.06.1993	
0105	F	WILD	WILD	Nepal 10	02.02.1944	LUCKNOW	P	Rosy		02.04.1973	
0106	M	0076	0077	Hyde 3	15.05.1981	HYDERABAD	B	Srinivas		783639	
					10.08.1983	SAN DIEGO WAP	P				Rabha
					30.11.1983	SAN DIEGO	D				
					29.05.1985	SAN DIEGO WAP	D				
0107	F	0060	0051	Whip 3	21.05.1981	WHIPSNAD	B			21.05.1981	
0108	M	WILD	WILD	Nepal 11	20.10.1981	PEKING	P	Kamat		26.11.1981	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0109	M	0041	0034	Stutt 5	30.08.1981	STUTTGART	B	Nadir	3125	
					13.04.1983	ROTTERDAM	L		109	
					01.07.1990	SINGAPORE	L		G45	
					12.12.1994	CHIANG MAI	L			
0110	F	0018	0056	Basel 19	16.01.1982	BASEL	B	Ellora	820034	
0111	F	0035	0046	Losan 1	16.02.1982	LOS ANGELES	B	Meetah	94307	
					18.06.1985	SAN DIEGO WAP	L		028842	03.07.1985
0112	M	0026	0099	SDWAP 5	25.07.1982	SAN DIEGO WAP	B	Tezpur	682461	
					27.10.1983	SEOUL	P			21.06.1990
0113	F	0073	0055	Antw 2	09.08.1982	PLANCKENDAEL	B	Johanna	184004	
0114	F	WILD	WILD	Nepal 12	17.05.1980	KATHMANDU	P			27.01.1990
0115	M	0060	0051	Whip 4	09.03.1983	WHIPSDAE	B	Bheema		
					03.10.1985	PLANCKENDAEL	D		184005	
0116	M	0026	0029	SDWAP 6	01.05.1983	SAN DIEGO WAP	B	Jorhat	683352	
					05.06.1985	SAN DIEGO	L			
					17.09.1988	TAMPA	L		100123	
0117	M	0041	0034	Stutt 6	12.07.1983	STUTTGART	B	Katgin		
					27.08.1985	YOKOHAMA	P			
0118	F	0010	0080	Phil 1	25.02.1984	PHILADELPHIA	B		101286	26.02.1984
0119	M	0018	0056	Basel 20	29.02.1984	BASEL	B	Gandak	840035	11.03.1985
0120	F	0035	0045	Losan 2	09.08.1982	LOS ANGELES	B			09.08.1982
0121	M	0035	0045	Losan 3	16.12.1983	LOS ANGELES	B			16.12.1983
0122	F	0070	0128	Kan 1	01.10.1982	KANPUR	B	Rashmi/Sawako		
					04.12.1985	YOKOHAMA	P	Sawako		04.01.1995
0123	M	0041	0034	Stutt 7	29.01.1985	STUTTGART	B	Bruno	3127	
					09.12.1987	COLOGNE	L			
					23.04.1997	STUTTGART	R		597	
0124	M	0026	0099	SDWAP 7	25.06.1985	SAN DIEGO WAP	B	Gurkha	028851	
					24.10.1989	SINGAPORE	L		G42	
0125	M	0035	0046	Losan 4	11.08.1985	LOS ANGELES	B	Chandra	002213	
					15.11.1990	OKLAHOMA	L		542705	
0126	M	0010	0080	Phil 2	03.11.1985	PHILADELPHIA	B	BJ/Akbar	101430	
					06.04.1987	MIAMI	L	Akbar	M00755	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0127	M	0042	0040	Ber-T 1	23.11.1985	BERLIN TIERPARK	B			23.11.1985
0128	F	WILD	WILD	Assam 17	11.08.1973 04.03.1977	GAUHATI KANPUR	P P	Usha		
0129	M	0070	0128	Kan 2	06.12.1984 06.04.1995	KANPUR LUCKNOW	B T	Lohit		
0130	F	0026	0029	SDWAP 8	18.01.1986	SAN DIEGO WAP	B	Jumia	005257	
0131	F	0083	0066	Neyo 1	09.04.1986	BRONX ZOO,NY	B	Ellah	861069	
0132	M	0060	0051	Whip 5	09.08.1986 03.12.1987 13.10.1998	WHIPNADE CHESTER BERLIN ZOO	B L L	Yodha	1652	
0133	F	0035	0045	Losan 5	10.10.1986	LOS ANGELES	B			10.10.1986
0134	M	0073	0055	Antw 3	24.10.1986 09.10.1990	PLANCKENDAEL ROTTERDAM	B L	Nico	184006 104083	
0135	M	0041	0034	Stutt 8	24.12.1986 01.12.1989	STUTT GART NUREMBERG	B P	Noel		
0136	M	WILD	WILD	Nepal 13	26.05.1987	SAN FRANCISCO	P	Chhendra		06.09.1996
0137	F	WILD	WILD	Nepal 14	26.05.1987 27.11.1996	SAN FRANCISCO SAN DIEGO WAP	P L	Shanti	187049 696602	
0138	F	WILD	WILD	Nepal 15	27.05.1987 10.05.1994 20.10.1994	WASHINGTON PHILADELPHIA WASHINGTON	D L R	Mechi	107663 102924 107663	
0139	F	WILD	WILD	Nepal 16	27.05.1987 23.04.1998	WASHINGTON BRONX ZOO,NY	D L	Kali	107664	
0140	M	0070	0128	Kan 3	17.06.1987	KANPUR	B	Mohit		
0141	M	0086	0093	Dvkr 2	04.11.1987 09.11.1989	DVUR KRALOVE LIBEREC	B P	Nim		
0142	M	0026	0029	SDWAP-	07.01.1987	SAN DIEGO WAP	B		687013	07.01.1987
0143	F	0026	0099	SDWAP 9	28.05.1987	SAN DIEGO WAP	B	Goalpara	687346	
0144	F	WILD	WILD	Nepal 17	15.05.1988	BERLIN ZOO	D	Narajani		
0145	M	0060	0051	Whip 6	08.05.1988 16.11.1990	WHIPNADE DVUR KRALOVE	B L	Ropen		
0146	M	0026	0029	SDWAP 10	22.05.1988 13.09.1990 06.04.1995	SAN DIEGO WAP SAN DIEGO ROLLING HILLS	B L L	Joya	688293 950029	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0147	M	0010	0080	Phil 3	14.08.1988	PHILADELPHIA	B	Jimmy	101728	
					25.10.1989	CINCINNATI	L		189167	
0148	F	0100	0056	Basel 21	04.10.1988	BASEL	B	Nasi	880036	
					12.07.1990	MUNICH	P		079002	
0149	F	0100	0110	Basel 22	11.12.1988	BASEL	B		880037	11.12.1988
0150	M	0094	0095	Calc 2	04.06.1984	CALCUTTA	B	Debraj		
0151	M	WILD	WILD	Kaz 44	05.05.1982	GAUHATI	P	Agni		
					03.03.1983	DELHI	?		Dabbu Agni	
0152	M	0041	0034	Stutt 9	27.11.1988	STUTTGART	B	Nikolaus	3869	
					12.06.1990	MUNICH	L		079003	
0153	F	WILD	WILD	Kaz 21	16.09.1974	GAUHATI	P	Numali		
					08.04.1976	BHUBANESWAR	P			
0154	M	WILD	WILD	Assam 34	22.08.1977	GAUHATI	P	Ganesh		
					02.12.1979	BHUBANESWAR	?		Nandan	
0155	F	WILD	WILD	Assam 19	21.07.1974	GAUHATI	P	Caitralekha		
					28.05.1979	PATNA	?		Kanchi	
0156	M	WILD	WILD	Assam 20	19.08.1977	GAUHATI	P	Vijay		
					28.05.1979	PATNA	?		Kancha	
0157	M	WILD	WILD	India K	28.03.1982	PATNA	P	Raju		
0158	F	0157	0155	Patna 1	25.10.1986	PATNA	B			25.10.1986
0159	F	0157	0155	Patna 2	08.07.1988	PATNA	B	Hartali		
0160	M	0070	0128	Kan 4	23.06.1989	KANPUR	B	Rohit		
0161	F	0083	0066	Neyo 2	05.09.1989	BRONX ZOO,NY	B	Mary	891296	
					08.11.1993	OKLAHOMA	R		513604	
0162	M	0060	0051	Whip 7	02.10.1989	WHIPSNADE	B	Bardia	L262	15.09.1995
0163	F	0106	0099	SDWAP 11	20.04.1989	SAN DIEGO WAP	B		689183	20.04.1989
0164	M	WILD	WILD	Nepal 18	07.05.1990	SINGAPORE	P	Karnak	G43	
0165	F	WILD	WILD	Nepal 19	07.05.1990	SINGAPORE	P	Kanchan	G44	02.11.1991
0166	M	0042	0040	Ber-T 2	01.01.1990	BERLIN TIERPARK	B	Belur		
					21.06.1993	BERLIN ZOO	L			
					10.06.1997	BERLIN TIERPARK	R			



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0167	F	0086	0093	Dvkr 1	14.01.1986	DVUR KRALOVE	B	Nelly		27.02.1986
0168	F	0024	0025	Gauh 5	09.01.1978	GAUHATI	B	Padmini II/Gita		
0169	M	WILD	WILD	Assam 21	27.01.1980	GAUHATI	P	Lakshman		
0170	M	WILD	WILD	Assam 22	23.08.1980	GAUHATI	P	John		
0171	F	WILD	WILD	Assam 23	23.08.1980	GAUHATI	P	Gini		
0172	M	WILD	WILD	Kaz 23	15.07.1982	GAUHATI	P	Ganesh		
0173	M	0024	0168	Gauh 6	11.05.1987	GAUHATI	B	Bishnu		
0174	M	WILD	WILD	Assam 24	25.08.1987	GAUHATI	P	Ratul		
					17.10.1995	GORUMARA	P			
0175	M	WILD	WILD	Assam 25	24.09.1988	GAUHATI	P	Ramu		
					19.05.1993	TRIVANDRUM	P			
0176	M	0169	0168	Gauh 7	30.03.1989	GAUHATI	B	Mohesh		
0177	M	WILD	WILD	Kaz 24	26.07.1989	GAUHATI	P	Jadu		
					19.05.1993	TRIVANDRUM	P			
0178	M	WILD	WILD	Kaz 25	26.07.1989	GAUHATI	P	Madhu		
					17.10.1995	JALDAPARA	P			
0179	M	WILD	WILD	Kaz 26	20.08.1990	GAUHATI	P	Pradip		
					14.10.1994	TRIPURA	P			
0180	M	0026	0029	SDWAP 12	27.01.1990	SAN DIEGO WAP	B	Jaunpur	690037	
					06.04.1995	ROLLING HILLS	L		950030	
					14.11.1996	BAKER	L		7914	
					19.06.1997	BAKER	T		7914	
0181	M	0100	0110	Basel 23	31.05.1990	BASEL	B	Nandi	900038	
					28.11.1991	NAGOYA	P			
0182	F	0106	0130	SDWAP 13	20.07.1990	SAN DIEGO WAP	B	Jhansi	690458	
					11.10.1994	STUTT GART	T		5628	
					11.10.1994	BERLIN TIERPARK	L			
0183	F	0100	0056	Basel 24	23.10.1990	BASEL	B	Nilgiri	910039	
					28.11.1991	NAGOYA	P			
0184	M	0106	0099	SDWAP 14	28.12.1990	SAN DIEGO WAP	B	Gujrat	690732	
					25.10.1996	LISBON	L		5496	
0185	F	0041	0034	Stutt 10	11.02.1991	STUTT GART	B	Namaste	4449	
					16.06.1993	ROTTERDAM	L		104724	
0186	M	0070	0128	Kan 5	05.07.1991	KANPUR	B	Mudit		



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0187	M	0010	0080	Phil 4	24.07.1991	PHILADELPHIA	B	Dhaulagiri	102345	
					21.07.1992	BUFFALO	L		92M163	
					30.09.1998	BUFFALO	D		92M163	
0188	M	0106	0143	SDWAP 15	22.12.1991	SAN DIEGO WAP	B	Gangtok	691776	
					25.10.1996	LISBON	L		5497	
0189	F	0069	0079	Toro 1	25.12.1991	TORONTO	B	Nikki	27199	
					22.08.1994	CINCINNATI	L		194156	
0190	M	WILD	WILD	Nepal 22	10.05.1990	FORT WORTH	P	Arun	724	
0191	F	WILD	WILD	Nepal 23	10.05.1990	FORT WORTH	P	Arati	725	
0192	F	WILD	WILD	Kaz 27	10.08.1991	GAUHATI	P	Baghekhaiti		
0193	F	WILD	WILD	Nepal 20	15.04.1990	MUNICH	P	Rapti	079001	
0194	F	WILD	WILD	Kaz 45	04.06.1982	GAUHATI	?	Mohini		
					20.12.1990	DELHI	P			
0195	F	0100	0110	Basel 25	23.01.1992	BASEL	B	Purana	920040	
					08.07.1993	NUREMBERG	P			
0196	F	0115	0113	Antw 4	03.02.1992	PLANCKENDAEL	B			03.02.1992
0197	M	0106	0130	SDWAP 16	26.02.1992	SAN DIEGO WAP	B		692076	26.02.1992
0198	F	0026	0029	SDWAP 17	21.07.1992	SAN DIEGO WAP	B		692441	21.07.1992
0199	M	0101	0138	Wash 2	30.07.1992	WASHINGTON	B			30.07.1992
0200	M	0106	0099	SDWAP 18	06.11.1992	SAN DIEGO WAP	B		692618	06.11.1992
0201	F	0115	0055	Antw 5	15.11.1992	PLANCKENDAEL	B	Teja	184008	
					21.11.1992	WHIPNADE	D		L2961	
					24.11.1996	LISBON	L		5532	
0202	M	0151	0194	Delhi 2	27.12.1992	DELHI	B	Ayodhya		
0203	F	0157	0155	Patna 3	06.07.1991	PATNA	B	Chhotki		
0204	F	WILD	WILD	Nepal 21	30.06.1993	STUTT GART	D	Sani	5143	
0205	M	0101	0139	Wash 3	15.01.1993	WASHINGTON	B			15.01.1993
0206	M	0100	0056	Basel 26	22.02.1993	BASEL	B	Quilon	930041	
					29.04.1995	SINGAPORE	L		G3209	
0207	F	0060	0051	Whip 8	01.05.1993	WHIPNADE	B			02.05.1993



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0208	M	0115	0113	Antw 6	04.08.1993	PLANCKENDAEL	B			04.08.1993
0209	F	0026	0143	SDWAP 19	07.09.1993	SAN DIEGO WAP	B	Godavari	693536	
0210	F	0100	0110	Basel 27	10.10.1993	BASEL	B	Quetta	930042	
0215	M	WILD	WILD	Kaz 30	17.10.1977	GAUHATI	P	Balaram		
					14.12.1977	CHANDIGARH	?			
0216	F	WILD	WILD	Kaz 31	15.06.1978	GAUHATI	P	Shakuntala		
					29.07.1978	CHANDIGARH	?			25.05.1986
0217	M	WILD	WILD	Assam 28	24.04.1979	GAUHATI	P	Shiva		
					25.02.1985	BOMBAY	?			
0218	M	WILD	WILD	Kaz 32	03.09.1980	GAUHATI	P	Ramu		
					17.04.1985	MADRAS	?			03.07.1989
0219	F	WILD	WILD	Assam 29	11.03.1979	CALCUTTA	P	Mayuri		
0220	M	0106	0130	SDWAP 20	18.03.1994	SAN DIEGO WAP	B	Jaffna	694115	
					29.03.1996	BASEL	P		694115	
0221	M	0083	0066	Neyo 3	22.03.1994	BRONX ZOO,NY	B			22.03.1994
0222	M	0069	0079	Toro 2	11.09.1994	TORONTO	B	Sanjay	30105	
					27.08.1998	PHILADELPHIA	L		103525	
0223	F	0010	0080	Phil 5	05.10.1994	PHILADELPHIA	B	Penny	103011	
0224	M	0026	0029	SDWAP 21	26.11.1994	SAN DIEGO WAP	B	Jafar	694673	
					07.11.1995	GULF BREEZE	L		A1858	
0225	F	0026	0029	SDWAP 22	31.07.1984	SAN DIEGO WAP	B		026310	31.07.1984
0226	F	0106	0182	Ber-T 3	21.01.1995	BERLIN TIERPARK	B	Betty		
0227	M	0106	0099	SDWAP 23	26.05.1995	SAN DIEGO WAP	B	Gauhati	695264	
					14.02.1997	SAN FRANCISCO	L			
0228	M	0106	0143	SDWAP 24	24.08.1995	SAN DIEGO WAP	B		695462	24.08.1995
0229	F	0115	0113	Antw 7	12.10.1995	PLANCKENDAEL	B	Winona	184010	
0230	F	0053	0131	Neyo 4	28.12.1995	BRONX ZOO,NY	B	Daily	951230	
0231	M	WILD	WILD	India O	13.03.1875	PHILADELPHIA	P	Pete		03.01.1901
0232	F	WILD	WILD	Nepal 25	24.05.1923	PHILADELPHIA	P	Maharanee/Peggy	10303	14.04.1943



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0233	M	WILD	WILD	Assam 31	07.07.1939	WASHINGTON	P	Gunda	16923	09.01.1959
0234	F	0060	0051	Whip 9	19.10.1991	WHIPNADE	B		L1701	20.10.1991
0235	F	0169	0168	Gauh 8	22.02.1995	GAUHATI	B	Rita		
0236	M	0026	0130	SDWAP 25	04.01.1996	SAN DIEGO WAP	B	Jasai	696004	
0237	M	0152	0148	Mun 1	13.07.1996	MUNICH	B		079004	13.07.1996
0238	F	0101	0138	Wash 5	18.09.1996 21.05.1998	WASHINGTON THE WILDS	B L	Chitwan	112925	
0239	M	0101	0139	Wash 6	31.10.1996 21.05.1998	WASHINGTON THE WILDS	B L	Himal	112946	
0240	M	0100	0110	Basel 28	20.11.1996 08.10.1998	BASEL TAMA ZOO	B D	Tarrh	960043 2463	
0241	F	0125	0161	Okla 1	06.12.1996 06.11.1998	OKLAHOMA BUFFALO	B L	Tashi	701406 98M146	
0242	M	WILD	WILD	Nepal 26	22.04.1986	CHIANG MAI	P			24.07.1986
0243	F	WILD	WILD	Nepal 27	22.04.1986	CHIANG MAI	P			
0244	F	0106	0130	SDWAP 26	24.08.1997	SAN DIEGO WAP	B	Jakichu	697474	
0245	F	0145	0093	Dvkr 3	13.09.1997	DVUR KRALOVE	B	Nova		
0246	F	0115	0055	Antw 8	27.09.1997	PLANCKENDAEL	B		184011	27.09.1997
0247	F	0106	0143	SDWAP 27	09.11.1997	SAN DIEGO WAP	B	Gondia	697581	25.11.1997
0248	M	0106	0099	SDWAP 28	20.11.1997	SAN DIEGO WAP	B		697598	20.11.1997
0249	M	0106	0209	SDWAP 29	23.11.1997	SAN DIEGO WAP	B	Giirja	697600	
0250	M	0215	0216	Chand 1	09.05.1986	CHANDIGARH	B	Chhatbir		
0251	M	0151	0194	Delhi 3	28.08.1995	DELHI	B	Meghdoot		
0252	F	0151	0194	Delhi 4	27.11.1997	DELHI	B	Maheshwari		
0253	M	0134	0185	Rott 1	04.01.1998	ROTTERDAM	B	Kaila Padam	105672	
0254	M	0053	0131	Neyo 5	27.07.1998	BRONX ZOO,NY	B	Michael Cline	981132	
0255	M	0115	0113	Antw 9	21.09.1998	PLANCKENDAEL	B	Zimon	184012	

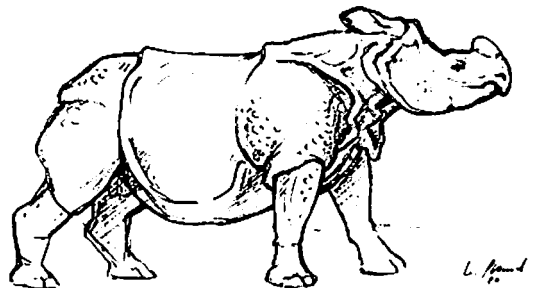


ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS	DEATHDATE dd.mm.yy
0256	F	WILD	WILD	Nepal 28	22.09.1998	WHIPSHADE	D	Beluki	L3165	
0257	F	WILD	WILD	Nepal 29	03.11.1998	WHIPSHADE	D	Behan	L3188	
0258	M	0106	0137	SDWAP 30	21.12.1998	SAN DIEGO WAP	B		698678	21.12.1998

APPENDIX II

Current Studbook Population





ZOO BASEL

Current population**Greater One-Horned Rhinoceros****Report date: 31.12.1998**

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
BAKER									
0180	M	0026	0029						
				SDWAP 12	27.01.1990	SAN DIEGO WAP	B	Jaunpur	690037
					06.04.1995	ROLLING HILLS	L		950030
					14.11.1996	BAKER	L		7914
					19.06.1997	BAKER	T		7914
BASEL									
0110	F	0018	0056						
				Basel 19	16.01.1982	BASEL	B	Ellora	820034
0210	F	0100	0110						
				Basel 27	10.10.1993	BASEL	B	Quetta	930042
0220	M	0106	0130						
				SDWAP 20	18.03.1994	SAN DIEGO WAP	B	Jaffna	694115
					29.03.1996	BASEL	P		694115
BERLIN TIERPARK									
0040	F	WILD	WILD						
				Nepal 2	01.08.1967	BERLIN TIERPARK	P	Kumari	
0166	M	0042	0040						
				Ber-T 2	01.01.1990	BERLIN TIERPARK	B	Belur	
					21.06.1993	BERLIN ZOO	L		
					10.06.1997	BERLIN TIERPARK	R		
0182	F	0106	0130						
				SDWAP 13	20.07.1990	SAN DIEGO WAP	B	Jhansi	690458
					11.10.1994	STUTT GART	T		5628
					11.10.1994	BERLIN TIERPARK	L		
0226	F	0106	0182						
				Ber-T 3	21.01.1995	BERLIN TIERPARK	B	Betty	
BERLIN ZOO									
0132	M	0060	0051						
				Whip 5	09.08.1986	WHIPSNADE	B	Yodha	
					03.12.1987	CHESTER	L		1652
					13.10.1998	BERLIN ZOO	L		
0144	F	WILD	WILD						
				Nepal 17	15.05.1988	BERLIN ZOO	D	Narajani	
BHUBANESWAR									
0153	F	WILD	WILD						
				Kaz 21	16.09.1974	GAUHATI	P	Numali	
					08.04.1976	BHUBANESWAR	P		
0154	M	WILD	WILD						
				Assam 34	22.08.1977	GAUHATI	P	Ganesh	
					02.12.1979	BHUBANESWAR	?	Nandan	
BOMBAY									
0217	M	WILD	WILD						
				Assam 28	24.04.1979	GAUHATI	P	Shiva	
					25.02.1985	BOMBAY	?		



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
BRONX ZOO,NY									
0053	M	0001	0011						
				Myso 2	16.04.1971	MYSORE	B	Vinu	
					28.08.1975	GELSENKIRCHEN	P		
					28.06.1976	TORONTO	P		7720
					30.05.1990	BRONX ZOO,NY	L		901264
0066	F	WILD	WILD						
				Kaz 14	14.08.1973	GAUHATI	P	Mayang Kumari	
					30.01.1975	BRONX ZOO,NY	P	Pinky	751511
0083	M	0018	0031						
				Ber-Z 2	18.02.1976	BERLIN ZOO	B	Heiner	
					12.07.1981	OKLAHOMA	P		968001
					19.12.1983	BRONX ZOO,NY	L		831391
0131	F	0083	0066						
				Neyo 1	09.04.1986	BRONX ZOO,NY	B	Ellah	861069
0139	F	WILD	WILD						
				Nepal 16	27.05.1987	WASHINGTON	D	Kali	107664
					23.04.1998	BRONX ZOO,NY	L		
0230	F	0053	0131						
				Neyo 4	28.12.1995	BRONX ZOO,NY	B	Daily	951230
0254	M	0053	0131						
				Neyo 5	27.07.1998	BRONX ZOO,NY	B	Michael Cline	981132
BUFFALO									
0187	M	0010	0080						
				Phil 4	24.07.1991	PHILADELPHIA	B	Dhaulagiri	102345
					21.07.1992	BUFFALO	L		92M163
					30.09.1998	BUFFALO	D		92M163
0241	F	0125	0161						
				Okla 1	06.12.1996	OKLAHOMA	B	Tashi	701406
					06.11.1998	BUFFALO	L		98M146
CALCUTTA									
0094	M	WILD	WILD						
				Kaz 19	12.02.1974	GAUHATI	P	Hihua	
					14.03.1974	CALCUTTA	P	Meghnad	
0095	F	WILD	WILD						
				Kaz 20	22.01.1974	GAUHATI	P	Mayuri	
					14.03.1974	CALCUTTA	P	Kadambini	
0150	M	0094	0095						
				Calc 2	04.06.1984	CALCUTTA	B	Debraj	
0219	F	WILD	WILD						
				Assam 29	11.03.1979	CALCUTTA	P	Mayuri	
CHANDIGARH									
0215	M	WILD	WILD						
				Kaz 30	17.10.1977	GAUHATI	P	Balaram	
					14.12.1977	CHANDIGARH	?		
0250	M	0215	0216						
				Chand 1	09.05.1986	CHANDIGARH	B	Chhatbir	
CHIANG MAI									
0109	M	0041	0034						
				Stutt 5	30.08.1981	STUTTGART	B	Nadir	3125
					13.04.1983	ROTTERDAM	L		109
					01.07.1990	SINGAPORE	L		G45
					12.12.1994	CHIANG MAI	L		
0243	F	WILD	WILD						
				Nepal 27	22.04.1986	CHIANG MAI	P		



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
CINCINNATI									
0147	M	0010	0080	Phil 3	14.08.1988 25.10.1989	PHILADELPHIA CINCINNATI	B L	Jimmy	101728 189167
0189	F	0069	0079	Toro 1	25.12.1991 22.08.1994	TORONTO CINCINNATI	B L	Nikki	27199 194156
DELHI									
0151	M	WILD	WILD	Kaz 44	05.05.1982 03.03.1983	GAUHATI DELHI	P ?	Agni Dabbu Agni	
0194	F	WILD	WILD	Kaz 45	04.06.1982 20.12.1990	GAUHATI DELHI	? P	Mohini	
0202	M	0151	0194	Delhi 2	27.12.1992	DELHI	B	Ayodhya	
0251	M	0151	0194	Delhi 3	28.08.1995	DELHI	B	Meghdoot	
0252	F	0151	0194	Delhi 4	27.11.1997	DELHI	B	Maheshwari	
DVUR KRALOVE									
0093	F	0041	0034	Stuft 4	13.09.1979 22.07.1981	STUTTGART DVUR KRALOVE	B P	Numa	
0145	M	0060	0051	Whip 6	08.05.1988 16.11.1990	WHIPNADE DVUR KRALOVE	B L	Ropen	
0245	F	0145	0093	Dvkr 3	13.09.1997	DVUR KRALOVE	B	Nova	
FORT WORTH									
0190	M	WILD	WILD	Nepal 22	10.05.1990	FORT WORTH	P	Arun	724
0191	F	WILD	WILD	Nepal 23	10.05.1990	FORT WORTH	P	Arati	725
GAUHATI									
0168	F	0024	0025	Gauh 5	09.01.1978	GAUHATI	B	Padmini II/Gita	
0169	M	WILD	WILD	Assam 21	27.01.1980	GAUHATI	P	Lakshman	
0170	M	WILD	WILD	Assam 22	23.08.1980	GAUHATI	P	John	
0171	F	WILD	WILD	Assam 23	23.08.1980	GAUHATI	P	Gini	
0172	M	WILD	WILD	Kaz 23	15.07.1982	GAUHATI	P	Ganesh	
0173	M	0024	0168	Gauh 6	11.05.1987	GAUHATI	B	Bishnu	
0176	M	0169	0168	Gauh 7	30.03.1989	GAUHATI	B	Mohesh	
0192	F	WILD	WILD	Kaz 27	10.08.1991	GAUHATI	P	Baghekhaiti	
0235	F	0169	0168	Gauh 8	22.02.1995	GAUHATI	B	Rita	



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
GORUMARA									
0174	M	WILD	WILD	Assam 24	25.08.1987	GAUHATI	P	Ratul	
					17.10.1995	GORUMARA	P		
GULF BREEZE									
0029	F	0024	0082	Gauh 2	10.07.1963	GAUHATI	B	Jaypuri	
					28.02.1965	SAN DIEGO	P		
					26.04.1972	SAN DIEGO WAP	P		100288
					07.11.1995	GULF BREEZE	L		A1857
0224	M	0026	0029	SDWAP 21	26.11.1994	SAN DIEGO WAP	B	Jafar	694673
					07.11.1995	GULF BREEZE	L		A1858
HYDERABAD									
0096	M	0076	0077	Hyde 2	12.11.1978	HYDERABAD	B	Laddu	
JALDAPARA									
0178	M	WILD	WILD	Kaz 25	26.07.1989	GAUHATI	P	Madhu	
					17.10.1995	JALDAPARA	P		
KANPUR									
0128	F	WILD	WILD	Assam 17	11.08.1973	GAUHATI	P	Usha	
					04.03.1977	KANPUR	P		
0140	M	0070	0128	Kan 3	17.06.1987	KANPUR	B	Mohit	
0160	M	0070	0128	Kan 4	23.06.1989	KANPUR	B	Rohit	
0186	M	0070	0128	Kan 5	05.07.1991	KANPUR	B	Mudit	
LIBEREC									
0141	M	0086	0093	Dvkr 2	04.11.1987	DVUR KRALOVE	B	Nim	
					09.11.1989	LIBEREC	P		
LISBON									
0184	M	0106	0099	SDWAP 14	28.12.1990	SAN DIEGO WAP	B	Gujrat	690732
					25.10.1996	LISBON	L		5496
0188	M	0106	0143	SDWAP 15	22.12.1991	SAN DIEGO WAP	B	Gangtok	691776
					25.10.1996	LISBON	L		5497
0201	F	0115	0055	Antw 5	15.11.1992	PLANCKENDAEL	B	Teja	184008
					21.11.1992	WHIPNADE	D		L2961
					24.11.1996	LISBON	L		5532
LOS ANGELES									
0035	M	WILD	WILD	Assam 7	08.03.1966	LOS ANGELES	P	Herman	01743
0045	F	0018	0017	Basel 10	05.10.1969	BASEL	B	Randa	690025
					06.10.1970	HOUSTON	P		
					06.04.1972	BROWNSVILLE	?		
					22.11.1974	LOS ANGELES	P		07940



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
LUCKNOW									
0092	F	WILD	WILD	Assam 16	24.04.1978 20.10.1979	GAUHATI LUCKNOW	P ?	Krishna Jr.	
0129	M	0070	0128	Kan 2	06.12.1984 06.04.1995	KANPUR LUCKNOW	B T	Lohit	
MIAMI									
0050	F	WILD	WILD	Nepal 4	12.06.1970 10.04.1987 22.11.1988 28.03.1990 29.05.1996 12.10.1996	MIAMI PHILADELPHIA BRONX ZOO,NY MIAMI BRONX ZOO,NY MIAMI	D L L R L R	Shanti	108 101589 881458 108 881458 108
0126	M	0010	0080	Phil 2	03.11.1985 06.04.1987	PHILADELPHIA MIAMI	B L	BJ/Akbar Akbar	101430 M00755
MONTGOMERY									
0101	M	0026	0029	SDWAP 4	08.08.1980 04.11.1982 01.07.1985 12.02.1993 09.07.1996 04.05.1998	SAN DIEGO WAP SAN DIEGO WASHINGTON WASHINGTON PHILADELPHIA MONTGOMERY	B L L D L L	Pandu	103996 282326 106574 106574 103314 2499
MUNICH									
0148	F	0100	0056	Basel 21	04.10.1988 12.07.1990	BASEL MUNICH	B P	Nasi	880036 079002
0152	M	0041	0034	Stutt 9	27.11.1988 12.06.1990	STUTT GART MUNICH	B L	Nikolaus	3869 079003
0193	F	WILD	WILD	Nepal 20	15.04.1990	MUNICH	P	Rapti	079001
MYSORE									
0061	M	WILD	WILD	Kaz 13	24.01.1980 29.01.1985	GAUHATI MYSORE	P P	Ram Muniya	
NAGOYA									
0057	M	0024	0025	Gauh 3	12.09.1971 02.10.1974	GAUHATI NAGOYA	B P	Samber Sanver	
0064	F	WILD	WILD	Assam 10	03.01.1974 02.10.1974	GAUHATI NAGOYA	P P	Jaya	
0181	M	0100	0110	Basel 23	31.05.1990 28.11.1991	BASEL NAGOYA	B P	Nandi	900038
0183	F	0100	0056	Basel 24	23.10.1990 28.11.1991	BASEL NAGOYA	B P	Nitgiri	910039



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
NUREMBERG									
0135	M	0041	0034	Stutt 8	24.12.1986 01.12.1989	STUTTGART NUREMBERG	B P	Noel	
0195	F	0100	0110	Basel 25	23.01.1992 08.07.1993	BASEL NUREMBERG	B P	Purana	920040
OKLAHOMA									
0125	M	0035	0046	Losan 4	11.08.1985 15.11.1990	LOS ANGELES OKLAHOMA	B L	Chandra	002213 542705
0161	F	0083	0066	Neyo 2	05.09.1989 08.11.1993	BRONX ZOO,NY OKLAHOMA	B R	Mary	891296 513604
PATNA									
0155	F	WILD	WILD	Assam 19	21.07.1974 28.05.1979	GAUHATI PATNA	P ?	Caitralekha Kanchi	
0156	M	WILD	WILD	Assam 20	19.08.1977 28.05.1979	GAUHATI PATNA	P ?	Vijay Kancha	
0157	M	WILD	WILD	India K	28.03.1982	PATNA	P	Raju	
0159	F	0157	0155	Patna 2	08.07.1988	PATNA	B	Hartali	
0203	F	0157	0155	Patna 3	06.07.1991	PATNA	B	Chhotki	
PEKING									
0098	F	WILD	WILD	Nepal 7	09.10.1980	PEKING	D	Bhunti	
PHILADELPHIA									
0080	F	0018	0007	Basel 14	10.10.1975 07.11.1979	BASEL PHILADELPHIA	B P	Xavira	750029 100925
0222	M	0069	0079	Toro 2	11.09.1994 27.08.1998	TORONTO PHILADELPHIA	B L	Sanjay	30105 103525
0223	F	0010	0080	Phil 5	05.10.1994	PHILADELPHIA	B	Penny	103011
PLANCKENDAEL									
0055	F	0018	0017	Basel 11	11.08.1971 05.09.1972	BASEL PLANCKENDAEL	B P	Tutuma Zutuma	710026 184003
0113	F	0073	0055	Antw 2	09.08.1982	PLANCKENDAEL	B	Johanna	184004
0115	M	0060	0051	Whip 4	09.03.1983 03.10.1985	WHIPNADE PLANCKENDAEL	B D	Bheema	184005
0229	F	0115	0113	Antw 7	12.10.1995	PLANCKENDAEL	B	Winona	184010
0255	M	0115	0113	Antw 9	21.09.1998	PLANCKENDAEL	B	Zimon	184012



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
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ROLLING HILLS

0146	M	0026	0029						
				SDWAP 10	22.05.1988	SAN DIEGO WAP	B	Joya	688293
					13.09.1990	SAN DIEGO	L		
					06.04.1995	ROLLING HILLS	L		950029

ROTTERDAM

0134	M	0073	0055						
				Antw 3	24.10.1986	PLANCKENDAEL	B	Nico	184006
					09.10.1990	ROTTERDAM	L		104083
0185	F	0041	0034						
				Stutt 10	11.02.1991	STUTTGART	B	Namaste	4449
					16.06.1993	ROTTERDAM	L		104724
0253	M	0134	0185						
				Rott 1	04.01.1998	ROTTERDAM	B	Kaila Padam	105672

SAN DIEGO WAP

0089	F	0032	0031						
				Ber-Z 3	13.08.1979	BERLIN ZOO	B	Terai	
					12.07.1981	OKLAHOMA	P		968102
					16.11.1990	LOS ANGELES	L		95967
					18.02.1997	SAN DIEGO WAP	L		697059
0099	F	0026	0029						
				SDWAP 3	19.03.1978	SAN DIEGO WAP	B	Gainda	102575
0106	M	0076	0077						
				Hyde 3	15.05.1981	HYDERABAD	B	Srinivas	
					10.08.1983	SAN DIEGO WAP	P	Rabha	
					30.11.1983	SAN DIEGO	D		
					29.05.1985	SAN DIEGO WAP	D		783639
0130	F	0026	0029						
				SDWAP 8	18.01.1986	SAN DIEGO WAP	B	Jumia	005257
0137	F	WILD	WILD						
				Nepal 14	26.05.1987	SAN FRANCISCO	P	Shanti	187049
					27.11.1996	SAN DIEGO WAP	L		696602
0143	F	0026	0099						
				SDWAP 9	28.05.1987	SAN DIEGO WAP	B	Goalpara	687346
0209	F	0026	0143						
				SDWAP 19	07.09.1993	SAN DIEGO WAP	B	Godavari	693536
0236	M	0026	0130						
				SDWAP 25	04.01.1996	SAN DIEGO WAP	B	Jasai	696004
0244	F	0106	0130						
				SDWAP 26	24.08.1997	SAN DIEGO WAP	B	Jakichu	697474
0249	M	0106	0209						
				SDWAP 29	23.11.1997	SAN DIEGO WAP	B	Girja	697600

SAN FRANCISCO

0227	M	0106	0099						
				SDWAP 23	26.05.1995	SAN DIEGO WAP	B	Gauhati	695264
					14.02.1997	SAN FRANCISCO	L		

**ZOO BASEL**

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
SINGAPORE									
0038	F	0018	0016	Hamb 2	09.04.1967	HAMBURG	B	Shita	
					12.04.1983	BERLIN ZOO	L		
					13.06.1985	HAMBURG	R		
					08.01.1994	SINGAPORE	P		G2430
0097	F	0094	0023	Calc 1	09.01.1979	CALCUTTA	B	Gomati	
					10.03.1986	COLOGNE	P		462
					16.05.1997	SINGAPORE	D		G4844
0124	M	0026	0099	SDWAP 7	25.06.1985	SAN DIEGO WAP	B	Gurkha	028851
					24.10.1989	SINGAPORE	L		G42
0164	M	WILD	WILD	Nepal 18	07.05.1990	SINGAPORE	P	Karnak	G43
0206	M	0100	0056	Basel 26	22.02.1993	BASEL	B	Quilon	930041
					29.04.1995	SINGAPORE	L		G3209
STUTT GART									
0123	M	0041	0034	Stutt 7	29.01.1985	STUTT GART	B	Bruno	3127
					09.12.1987	COLOGNE	L		
					23.04.1997	STUTT GART	R		597
0204	F	WILD	WILD	Nepal 21	30.06.1993	STUTT GART	D	Sani	5143
TAMA ZOO									
0240	M	0100	0110	Basel 28	20.11.1996	BASEL	B	Tarrh	960043
					08.10.1998	TAMA ZOO	D		2463
TAMPA									
0116	M	0026	0029	SDWAP 6	01.05.1983	SAN DIEGO WAP	B	Jorhat	683352
					05.06.1985	SAN DIEGO	L		
					17.09.1988	TAMPA	L		100123
THE WILDS									
0087	M	0018	0056	Basel 16	26.01.1978	BASEL	B	Assam	780031
					06.11.1979	PHILADELPHIA	L		100924
					14.10.1982	BRONX ZOO,NY	P		821339
					29.10.1991	MILWAUKEE	L		3622
					22.05.1996	THE WILDS	L		960503
0238	F	0101	0138	Wash 5	18.09.1996	WASHINGTON	B	Chitwan	112925
					21.05.1998	THE WILDS	L		
0239	M	0101	0139	Wash 6	31.10.1996	WASHINGTON	B	Himal	112946
					21.05.1998	THE WILDS	L		
TORONTO									
0069	M	0019	0028	Wash 1	30.01.1974	WASHINGTON	B	Patrick	100859
					29.10.1975	BRONX ZOO,NY	L		751821
					16.06.1989	TORONTO	L		24640
0079	F	0001	0011	Myso 3	19.07.1975	MYSORE	B	Indira	
					15.06.1976	GELSENKIRCHEN	P		
					27.04.1979	TORONTO	P		11554



ZOO BASEL

Stud#	SEX	SIRE	DAM	BREEDER	ARRIVAL dd.mm.yy	LOCATION	STATUS	HOUSENAME	ISIS
TRIPURA									
0179	M	WILD	WILD	Kaz 26	20.08.1990 14.10.1994	GAUHATI TRIPURA	P P	Pradip	
TRIVANDRUM									
0175	M	WILD	WILD	Assam 25	24.09.1988 19.05.1993	GAUHATI TRIVANDRUM	P P	Ramu	
0177	M	WILD	WILD	Kaz 24	26.07.1989 19.05.1993	GAUHATI TRIVANDRUM	P P	Jadu	
WASHINGTON									
0049	M	WILD	WILD	Nepal 3	23.04.1970 14.06.1998	MIAMI WASHINGTON	D L	Mohan	107
0138	F	WILD	WILD	Nepal 15	27.05.1987 10.05.1994 20.10.1994	WASHINGTON PHILADELPHIA WASHINGTON	D L R	Mechi	107663 102924 107663
WHIPSNADE									
0051	F	0033	0043	Delhi 1	27.01.1971 06.02.1973	DELHI WHIPSNADE	B T	Roopa	L259
0060	M	0018	0031	Ber-Z 1	04.04.1972 15.06.1973 23.04.1976	BERLIN ZOO AMSTERDAM WHIPSNADE	B P T	Kumar	L260
0256	F	WILD	WILD	Nepal 28	22.09.1998	WHIPSNADE	D	Beluki	L3165
0257	F	WILD	WILD	Nepal 29	03.11.1998	WHIPSNADE	D	Behan	L3188
YOKOHAMA									
0117	M	0041	0034	Stutt 6	12.07.1983 27.08.1985	STUTTGART YOKOHAMA	B P	Katgin	



Summary of the Greater One-Horned Rhinoceros Collection

The following institutions currently house Indian Rhinos. Institutions which participate in an international breeding programme are marked.

EEP = European Endangered Species Programme

SSP = Species Survival Programme

? = unknown Programme

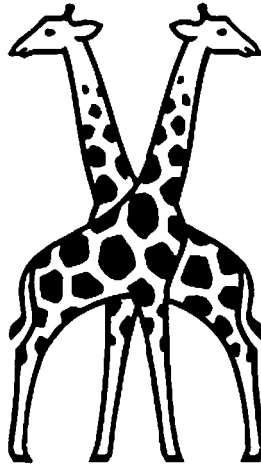
Baker	Greater Baton Rouge Zoo, P.O.Box 60 Baker, Louisiana 70704-0060, USA	1.0.0	SSP
Basel	Zoo Basel, Binningerstrasse 40, Postfach 4011 Basel, Switzerland	1.2.0	EEP
Berlin Tierpark	Tierpark Berlin-Friedrichsfelde GmbH Am Tierpark 125, 10307 Berlin, Germany	1.3.0	EEP
Berlin Zoo	Zoo Berlin, Hardenbergplatz 8, 10787 Berlin, Germany	1.1.0	EEP
Bhubaneswar	Nandankanan Zoological Park Mayur Bhavan, Janapath Saheed Nagar, 751007 Bhubaneswar (Orissa), India	1.1.0	?
Bombay	Veer mata Jijabai Bhosle Udyan, Dr. Ambedkar Marg Byculla, 400027 Bombay, India	1.0.0	?
Bronx Zoo, NY	Wildlife Conservation Park Bronx Zoo, 185th Street and Southern Boulevard, Bronx, NY 10460, USA	3.4.0	SSP
Buffalo	Buffalo Zoo, 300 Parkside Avenue, Buffalo New York 14214-1999, USA	1.1.0	SSP
Calcutta	Zoological Garden Alipore, Calcutta, 700027 West Bengal India	2.2.0	?
Chandigarh	M.C. Zoological Park, Chhat-Bir (Pb), SCO NO.839-40 Sector 22A, Chandigarh, India	2.0.0	?
Chiangmai	Chiangmai Zoo, 100 Huay Keaw Road, 5000 Chiangmai Thailand	1.1.0	?
Cincinnati	The Cincinnati Zoo and Botanical Garden, 3400 Vine Street Cincinnati, Ohio 45220-1399, USA	1.1.0	SSP
Delhi	National Zoological Park. Near Purana Quila, Mathura Road, 110003 New Delhi, India	3.2.0	?
Dvur Kralove	Východočeská Zoo-Safari, Dvur Kralové, Stefánikova 1029 54401 Dvur Kralové nad Labem, Czech Republic	1.2.0	EEP
Fort Worth	Fort Worth Zoo, 1989 Colonial Parkway, Fort Worth Texas 76110, USA	1.1.0	SSP
Gauhati	Assam State Zoo and Botanical Garden, Office Divisional Forest Officer, Guwahati 5, Assam, India	5.4.0	?



Gorumara	Government of West Bengal, Gorumara National Park Office of the Divisional Forest Officer, Wildlife Division II, Jalpaiguri, West Bengal, India	1.0.0	?
Gulf Breeze	The Zoo Gulf Breeze, 5701 Gulf Breeze Parkway, Gulf Breeze Florida 32561, USA	1.1.0	SSP
Hyderabad	Nehru Zoological Park, 500264 Hyderabad, India	1.0.0	?
Jaldapara	Jaldapara Wildlife Sanctuary, The Divisional Forest Officer Cooch Behar Division, Nilhuti, P.O.&Dist. Coochbehar, West Bengal, India	1.0.0	?
Kanpur	Kanpur Zoological Park, Azad Nagar, 208002 U.P., Kanpur India	3.1.0	?
Liberec	Zoologická zahrada Liberec, Masarykova 1347/31 460 01 Liberec 1, Czech Republic	1.0.0	EEP
Lisbon	Zoo Lisboa, Estrada de Benfica 158-160, 1500 Lisboa Portugal	2.1.0	EEP
Los Angeles	Los Angeles Zoo, 5333 Zoo Drive, Los Angeles CA 90027, USA	1.1.0	SSP
Lucknow	Prince of Wales Zoological Gardens, 226001 Lucknow, India	1.1.0	?
Miami	Miami Metrozoo, 12400 SW 152 Street, Miami Florida 33177-1499, USA	1.1.0	SSP
Montgomery	Montgomery Zoo, PO Box Zebra, Montgomery, AL 36109-0313, USA	1.0.0	?
Munich	Münchener Tierpark Hellabrunn AG, Tierparkstr. 30 81543 München, Germany	1.2.0	EEP
Mysore	Sri Chamarajendra Zoological Gardens Indiranagar, Karnataka State, 570 010 Mysore, India	1.0.0	?
Nagoya	Nagoya Higashiyama Zoo, 3-70 Higashiyamamotomachi Chikusaku, 464 Nagoya, Japan	2.2.0	?
Nuremberg	Tiergarten Nürnberg, Am Tiergarten 30, 90480 Nürnberg Germany	1.1.0	EEP
Oklahoma	Oklahoma City Zoo, 2101 NE 50, Oklahoma City OK 73111, USA	1.1.0	SSP
Patna	Sanja Gandhi Biological Park, Patna, Bihar, India	2.3.0	?
Peking	Beijing Zoological Gardens, 137 Xi Zhi Men Wai Street Beijing, China	0.1.0	?
Philadelphia	Philadelphia Zoological Gardens, 3400 West Girard Avenue Philadelphia, PA 19104-1196, USA	1.2.0	SSP
Planckendael	Dierenpark Planckendael, Leuvensesteenweg 582 2812 Muizen-Mechelen, Belgium	2.3.0	EEP
Rolling Hills	Rolling Hills Refuge Wildlife Center, 625 North Hedville Road Salina, KS 67401, USA	1.0.0	SSP



Rotterdam	Rotterdam Zoo, P.O.Box 532, 3000 AM Rotterdam The Netherlands	2.1.0	EEP
San Diego WAP	San Diego Zoological Society Wild Animal Park, P.O.Box 551 San Diego, CA 92112-0551, USA	3.7.0	SSP
San Francisco	San Francisco Zoo, 1 Zoo Road, CA 94132-1098 San Francisco, USA	1.0.0	SSP
Singapore	Singapore Zoological Gardens, 80 Mandai Lake Road 2572 Singapore	3.2.0	?
Stuttgart	Wilhelma Zoologisch-botanischer Garten, Postfach 501227 70342 Stuttgart, Germany	1.1.0	EEP
Tama Zoo	Tama Zoological Park, 7-1-1 Hodokubo, Hino-shi, Tokyo 191 Japan	1.0.0	?
Tampa	Lowry Park Zoological Garden, 7530 North Boulevard Tampa, FL 33604-4756, USA	1.0.0	SSP
The Wilds	The Wilds, 14000 International Road, Cumberland OH 43732 USA	2.1.0	SSP
Toronto	Toronto Zoo, 361A Old Finch Avenue Scarborough M1B 5K7 Ontario, Canada	1.1.0	SSP
Tripura	Government of Tripura, Office of the Wild Life Warden Sepahijala Wild Life Sanctuary, Sepahijala, India	1.0.0	?
Trivandrum	Trivandrum Zoological Gardens, Trivandrum, Kerala State India	2.0.0	?
Washington	Smithsonian National Zoological Park Washington, D.C. 20008-2598, USA	1.1.0	SSP
Whipsnade	Whipsnade Wild Animal Park, Dunstable, LU6 2LF Bedfordshire, United Kingdom	1.3.0	EEP
Yokohama	Kanazawa Zoological Gardens of Yokohama, 5-15-1 Kamariya higashi, Kanazawa-ku, 236-0042 Yokohama, Japan	1.0.0	?



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