

**SOUTHERN WHITE RHINO**

*Ceratotherium simum simum*

## SOUTHERN WHITE RHINOCEROS Studbook

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Restricted to: (Ceratotherium simum simum)

Dates: During 13/12/1997 &lt;= date

Cooperative Management: In SSP

Report ordered by: current (last) location...

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=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name
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African Lion Safari, Cambridge, Ontario, CANADA
363 M ~ 1969 WILD WILD NATAL SA ~ 1973 UNK S.AFRICAR LUCIFER
ROCKTON 3 May 1973 920006 CANADA
364 M ~ 1969 WILD WILD NATAL SA ~ 1973 UNK S.AFRICAR ABNER
ROCKTON 3 May 1973 920007 CANADA
366 F ~ 1969 WILD WILD NATAL SA ~ 1973 UNK S.AFRICAR MAY
ROCKTON 3 May 1973 920009 CANADA
Totals: 2.1.0 (3)
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## Metropolitan Toronto Zoo, Scarborough, Ontario, CANADA

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143 M ~ 1963 WILD WILD NATAL SA ~ 1970 UNK S.AFRICAR BULL
SD-WAP 17 Feb 1971 UNK U.S.A.
TORONTO 8 Aug 1974 4314 CANADA
218 F 3 Feb 1973 52 157 SD-WAP 3 Feb 1973 UNK Captive Born U.S.A. PISTOL
TORONTO 8 Aug 1974 4316 CANADA
582 F 13 Oct 1979 UNK 218 TORONTO 13 Oct 1979 12159 Captive Born CANADA SHABOOLA
(ROCKTON ) 25 Aug 1989 910010 CANADA
TORONTO 1 Sep 1992 12159 CANADA
950 M 13 Jan 1990 143 218 TORONTO 13 Jan 1990 25243 Captive Born CANADA ATU
Totals: 2.2.0 (4)
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## Granby Zoo, Granby, Quebec, CANADA

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748 M 26 Nov 1982 UNK 218 TORONTO 26 Nov 1982 16913 Captive Born CANADA YEKISAMGA
GRANBY 22 Apr 1987 820060 CANADA
Totals: 1.0.0 (1)
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## Birmingham Zoo, Birmingham, AL, USA

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469 M ~ 1971 WILD WILD NATAL SA ~ 1974 UNK S.AFRICAR RONNIE
KINGS ISL 25 Apr 1974 UNK U.S.A.
BIRMINGHM 24 Feb 1976 315 U.S.A.
470 F ~ 1971 WILD WILD NATAL SA ~ 1974 UNK S.AFRICAR GERTRUDE
KINGS ISL 25 Apr 1974 UNK U.S.A.
BIRMINGHM 24 Feb 1976 316 U.S.A.

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Compiled by: Dr. Tom Foose thru The Wilds

Data current thru: 15 Dec 1997 North American Regional Studbook

SPARKS v1.42  
16 Dec 1997

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=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name
=====
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471	F	~ 1971	WILD	WILD	NATAL SA	~ 1974	UNK	S.AFRICAR HORTENSE
					KINGS ISL	25 Apr 1974	UNK	U.S.A.
					BIRMINGHM	24 Feb 1976	317	U.S.A.

Totals: 1.2.0 (3)

## Phoenix Zoo, Phoenix, AZ, USA

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34	M	~ 1961	WILD	WILD	NATAL SA	~ 1963	UNK	S.AFRICAR KEHTLA
					PHOENIX	28 Jul 1963	137	U.S.A.
153	F	~ 1963	WILD	WILD	NATAL SA	~ 1970	UNK	S.AFRICAR TAMBILE
					SD-WAP	17 Feb 1971	100261	U.S.A.
					PHOENIX	1 May 1975	1672	U.S.A.

Totals: 1.1.0 (2)

## Reid Park Zoo, Tucson, AZ, USA

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203	M	11 Oct 1972	52	151	SD-WAP	11 Oct 1972	100270	Captive Born	U.S.A.	ZIBULO
					(TUCSON )	8 Jun 1976	678		U.S.A.	
						7 Oct 1985	678			
238	F	15 Apr 1973	52	150	SD-WAP	15 Apr 1973	100275	Captive Born	U.S.A.	YEBONGA
					(TUCSON )	8 Jun 1976	679		U.S.A.	
						7 Jan 1985	679			

Totals: 1.1.0 (2)

## Little Rock Zoological Gardens, Little Rock, AR, USA

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82	M	~ 1967	WILD	WILD	NATAL SA	~ 1968	UNK	S.AFRICAR DUDLEY
					FORTWORTH	23 May 1968	122	U.S.A.
					FOSSILRIM	20 Jan 1989	1282	U.S.A.
					LITTLEROC	20 Nov 1995	UNK	U.S.A.

Totals: 1.0.0 (1)

## San Diego Wild Animal Park, Escondido, CA, USA

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154	F	~ 1963	WILD	WILD	NATAL SA	~ 1970	UNK	S.AFRICAR MJUBA
					SD-WAP	17 Feb 1971	100262	U.S.A.
157	F	~ 1963	WILD	WILD	NATAL SA	~ 1970	UNK	S.AFRICAR KOMAAS
					SD-WAP	17 Feb 1971	100265	U.S.A.

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```

=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name
=====
159 F ~ 1963 WILD WILD NATAL SA ~ 1970 UNK S.AFRICAR UMFOLOZI
SD-WAP 17 Feb 1971 100267 U.S.A.
188 F ~ 1968 WILD WILD NATAL SA ~ 1971 UNK S.AFRICAR MUDDER
FRESNO 19 Sep 1971 1157 U.S.A.
(SD-WAP ) 11 Jul 1994 694453 U.S.A.
277 F ~ 1966 WILD WILD NATAL SA ~ 1971 UNK S.AFRICAR NTHOMBI
SAN DIEGOZ 18 Sep 1971 UNK U.S.A.
SD-WAP 1 Nov 1972 100271 U.S.A.
473 M ~ 1969 WILD WILD NATAL SA ~ 1972 UNK S.AFRICAR CHUCK
STOCKBRID 15 Apr 1972 UNK U.S.A.
JACKSON 2 Sep 1974 000219 U.S.A.
KNOXVILLE 30 Aug 1988 1249 U.S.A.
SD-WAP 15 Dec 1996 696627 U.S.A.
819 F 24 Jun 1984 52 155 SD-WAP 24 Jun 1984 026210 Captive Born U.S.A. DUMISHA
822 F 28 Aug 1984 52 150 SD-WAP 28 Aug 1984 026342 Captive Born U.S.A. SINYAA
1051 F 26 Feb 1995 187 159 SD-WAP 26 Feb 1995 69051 Captive Born U.S.A. UJIMA
1132 M 19 Aug 1996 187 157 SD-WAP 19 Aug 1996 696457 Captive Born U.S.A. KUTU
1151 F 30 Jan 1997 187 159 SD-WAP 30 Jan 1997 697039 Captive Born U.S.A. UTAMU

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Totals: 2.9.0 (11)

## Jacksonville Zoological Gardens, Jacksonville, FL, USA

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318 F ~ 1971 WILD WILD NATAL SA ~ 1972 UNK S.AFRICAR ANNE
KANSASCTY 23 Jun 1972 629 U.S.A.
(JACKSONVL) 5 Jan 1983 883002 U.S.A.
390 M ~ 1969 WILD WILD NATAL SA ~ 1974 UNK S.AFRICAR ARCHIE
KINGS ISL 25 Apr 1974 UNK U.S.A.
JACKSONVL 18 Dec 1975 875053 U.S.A.
1036 F 1 Jul 1994 177 391 YULEE 1 Jul 1994 UNK Captive Born U.S.A. GABRIELLA
JACKSONVL 27 Aug 1997 UNK U.S.A.

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Totals: 1.2.0 (3)

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Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
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## Disney's Animal Kingdom, Lake Buena Vista, FL, USA

1045	M	26 Sep 1994	180	182	SAN ANTON	26 Sep 1994	UNK	Captive Born	U.S.A.	TEX
					DISNEY AK	18 Oct 1996	UNK		U.S.A.	
1079	F	9 Jul 1995	177	533	YULEE	9 Jul 1995	950037	Captive Born	U.S.A.	MAGGIE
					DISNEY AK	27 Aug 1997	UNK		U.S.A.	

Totals: 1.1.0 (2)

## White Oak Conservation Center /, Yulee, FL, USA

177	M	- 1968	WILD	WILD	NATAL SA	- 1970	UNK		S.AFRICAR	PHIL
					TOLEDO	22 Sep 1970	UNK		U.S.A.	
					(YULEE )	21 Jun 1984	8451		U.S.A.	
379	M	- 1968	WILD	WILD	NATAL SA	- 1972	UNK		S.AFRICAR	SAMSON
					STOCKBRID	15 Apr 1972	UNK		U.S.A.	
					COLUMBIA	18 Apr 1974	SJ0152		U.S.A.	
					YULEE	15 Apr 1989	89507		U.S.A.	
391	F	- 1968	WILD	WILD	NATAL SA	- 1974	UNK		S.AFRICAR	EDITH
					KINGS ISL	25 Apr 1974	UNK		U.S.A.	
					JACKSONVL	18 Dec 1975	875054		U.S.A.	
					(YULEE )	3 Dec 1992	920441		U.S.A.	
533	F	5 Mar 1979	390	391	JACKSONVL	5 Mar 1979	879010	Captive Born	U.S.A.	GLORIA
					YULEE	12 Apr 1989	89506		U.S.A.	
1020	F	9 Aug 1993	177	533	YULEE	9 Aug 1993	930053	Captive Born	U.S.A.	JULIE
1152	M	13 Feb 1997	379	391	YULEE	13 Feb 1997	970008	Captive Born	U.S.A.	

Totals: 3.3.0 (6)

## Honolulu Zoo, Honolulu, HI, USA

841	M	27 Jul 1985	420	599	SD-WAP	27 Jul 1985	M28901	Captive Born	U.S.A.	SITINI
					HONOLULU	29 Oct 1986	860275		U.S.A.	

Totals: 1.0.0 (1)

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Rolling Hills Ranch, Salina, KS, USA

467	F	~ 1972	WILD	WILD	NATAL SA	~ 1974	UNK		S.AFRICAR	WAGASA
					KINGS ISL	25 Apr 1974	UNK		U.S.A.	
					BATONROUG	26 Oct 1974	130		U.S.A.	
					KNOXVILLE	17 Jan 1991	1416		U.S.A.	
					ROLLING H	10 Oct 1996	UNK		U.S.A.	
619	F	~ 1966	WILD	WILD	NATAL SA	~ 1974	UNK		S.AFRICAR	MILLEY
					KNOXVILLE	15 Aug 1974	144		U.S.A.	
					ROLLING H	10 Oct 1996	UNK		U.S.A.	
755	M	10 Jun 1979	754	752	DOSWELL	10 Jun 1979	750	Captive Born	U.S.A.	MILTON
					WILDS	14 Dec 1994	UNK		U.S.A.	
					(COLUMBUS )	15 Dec 1994	UNK		U.S.A.	
					WILDS	30 Nov 1995	941201		U.S.A.	
					ROLLING H	15 Nov 1996	UNK		U.S.A.	
980	M	20 Nov 1991	187	159	SD-WAP	20 Nov 1991	691716	Captive Born	U.S.A.	UZAZI
					ROLLING H	6 Apr 1995	UNK		U.S.A.	

Totals: 2.2.0 (4)

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Louisville Zoological Garden, Louisville, KY, USA

754	M	~ 1969	WILD	WILD	NATAL SA	~ 1973	UNK		S.AFRICAR	RUFUS
					DOSWELL	3 Oct 1973	022		U.S.A.	
					LOUISVILL	14 Dec 1994	UNK		U.S.A.	
772	F	3 Mar 1983	618	453	KNOXVILLE	3 Mar 1983	760	Captive Born	U.S.A.	LULU
					(LOUISVILL)	23 May 1985	100906		U.S.A.	
791	F	11 Jan 1984	618	620	KNOXVILLE	11 Jan 1984	844	Captive Born	U.S.A.	SINDI
					(LOUISVILL)	23 May 1985	100905		U.S.A.	

Totals: 1.2.0 (3)

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Louisiana Purchase Gardens & Zoo, Monroe, LA, USA

386	M	~ 1970	WILD	WILD	NATAL SA	~ 1972	UNK		S.AFRICAR	
					MONROE	24 Apr 1972	141173		U.S.A.	
387	F	~ 1972	WILD	WILD	NATAL SA	~ 1972	UNK		S.AFRICAR	
					MONROE	24 Apr 1972	142174		U.S.A.	

Totals: 1.1.0 (2)

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Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
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## Audubon Park Zoological Garden, New Orleans, LA, USA

1034	M	26 Jan 1991	390	391	JACKSONVL	26 Jan 1991	891007	Captive Born	U.S.A.	SABA
					(AUDUBON )	13 Apr 1993	1542		U.S.A.	
1038	F	2 Feb 1990	465	453	KNOXVILLE	2 Feb 1990	1347	Captive Born	U.S.A.	YVONNE
					(AUDUBON )	4 Feb 1993	1509		U.S.A.	

Totals: 1.1.0 (2)

## Baltimore Zoo, Baltimore, MD, USA

380	F	~ 1968	WILD	WILD	NATAL SA	~ 1972	UNK		S.AFRICAR	DAISEY MAE
					STOCKBRID	15 Apr 1972	UNK		U.S.A.	
					COLUMBIA	18 Apr 1974	SJ0153		U.S.A.	
					KINGS ISL	23 Nov 1988	1043		U.S.A.	
					BALTIMORE	7 May 1992	92-039		U.S.A.	
1040	M	15 Sep 1993	473	452	KNOXVILLE	15 Sep 1993	1587	Captive Born	U.S.A.	AKIN
					BALTIMORE	12 Nov 1996	96065		U.S.A.	

Totals: 1.1.0 (2)

## Jackson Zoological Park, Jackson, MS, USA

475	F	~ 1969	WILD	WILD	NATAL SA	~ 1972	UNK		S.AFRICAR	LONGHORN
					STOCKBRID	15 Apr 1972	UNK		U.S.A.	
					JACKSON	2 Sep 1974	000220		U.S.A.	
707	M	~ 1973	WILD	WILD	NATAL SA	~ 1975	UNK		S.AFRICAR	FRANKLIN
					DARBY DAN	~ 1976	UNK		U.S.A.	
					JACKSON	20 Dec 1980	000876		U.S.A.	

Totals: 1.1.0 (2)

## Omaha's Henry Doorly Zoo, Omaha, NE, USA

39	F	~ 1963	WILD	WILD	NATAL SA	~ 1966	UNK		S.AFRICAR	HENRIETTA
					OMAHA	14 Nov 1966	315		U.S.A.	
861	M	11 May 1986	420	155	SD-WAP	11 May 1986	100548	Captive Born	U.S.A.	DUMA
					OMAHA	18 Dec 1989	5585		U.S.A.	

Totals: 1.1.0 (2)

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=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name
=====
Albuquerque Biological Park, Albuquerque, NM, USA
358 F ~ 1966 WILD WILD NATAL SA ~ 1973 UNK S.AFRICAR DINKA
RIO GRAND 27 Nov 1973 10312 U.S.A.
359 M ~ 1965 WILD WILD NATAL SA ~ 1973 UNK S.AFRICAR CHUKURU
RIO GRAND 27 Nov 1973 10311 U.S.A.

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Totals: 1.1.0 (2)

## North Carolina Zoological Park, Asheboro, NC, USA

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413 M ~ 1970 WILD WILD NATAL SA ~ 1974 UNK S.AFRICAR STAN
KINGS ISL 25 Jan 1974 104 U.S.A.
HUDSON 21 May 1980 UNK U.S.A.
ASHEBORO 21 Nov 1987 941 U.S.A.
565 F ~ 1968 WILD WILD NATAL SA ~ 1972 UNK S.AFRICAR OLIVIA
W PALM BE 1 Jan 1972 UNK U.S.A.
HUDSON 13 Jul 1981 UNK U.S.A.
ASHEBORO 21 Nov 1987 942 U.S.A.
573 M ~ 1970 WILD WILD NATAL SA ~ 1974 UNK S.AFRICAR TED
ST LOUIS 12 Aug 1974 UNK U.S.A.
ASHEBORO 30 Sep 1976 59 U.S.A.
574 F ~ 1970 WILD WILD NATAL SA ~ 1974 UNK S.AFRICAR ALICE
ST LOUIS 12 Aug 1974 UNK U.S.A.
ASHEBORO 30 Sep 1976 60 U.S.A.

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Totals: 2.2.0 (4)

## Toledo Zoological Gardens, Toledo, OH, USA

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220 M 28 Jun 1973 52 154 SD-WAP 28 Jun 1973 UNK Captive Born U.S.A. SAM
PHILADELP 4 May 1974 100250 U.S.A.
TOLEDO 15 Nov 1988 880033 U.S.A.
381 F ~ 1968 WILD WILD NATAL SA ~ 1972 UNK S.AFRICAR LULU
STOCKBRID 15 Apr 1972 UNK U.S.A.
COLUMBIA 18 Apr 1974 SJ0154 U.S.A.
TOLEDO 11 Nov 1988 880031 U.S.A.

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Totals: 1.1.0 (2)



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Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name

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The Wilds / Irf, Cumberland, OH, USA

148	F	~ 1963	WILD	WILD	NATAL SA	~ 1970	UNK		S.AFRICAR DELILAH/MA
					SD-WAP	17 Feb 1971	100256		U.S.A.
					COLUMBUS	21 Jun 1975	752007		U.S.A.
					WILDS	12 Nov 1993	931110		U.S.A.
187	M	~ 1968	WILD	WILD	NATAL SA	~ 1971	UNK		S.AFRICAR FODDER
					FRESNO	19 Sep 1971	1156		U.S.A.
					(SD-WAP )	30 May 1990	690329		U.S.A.
					WILDS	10 Dec 1996	961234		U.S.A.
416	F	~ 1971	WILD	WILD	NATAL SA	~ 1974	UNK		S.AFRICAR CHARLIE
					KINGS ISL	25 Apr 1974	107		U.S.A.
					WILDS	30 Apr 1994	940401		U.S.A.
417	F	~ 1971	WILD	WILD	NATAL SA	~ 1974	UNK		S.AFRICAR PRETTY GIR
					KINGS ISL	25 Apr 1974	108		U.S.A.
					WILDS	30 Apr 1994	940402		U.S.A.
418	F	~ 1971	WILD	WILD	NATAL SA	~ 1974	UNK		S.AFRICAR PETITE/LON
					KINGS ISL	25 Apr 1974	109		U.S.A.
					WILDS	30 Apr 1994	940519		U.S.A.
750	F	~ 1969	WILD	WILD	NATAL SA	~ 1973	UNK		S.AFRICAR LUCY
					DOSWELL	3 Oct 1973	026		U.S.A.
					WILDS	3 Jun 1994	940602		U.S.A.
842	F	16 Sep 1985	40	397	MEMPHIS	16 Sep 1985	7593	Captive Born	U.S.A. KARLA
					(CLEVELAND)	6 Jun 1986	860603		U.S.A.
					WILDS	15 Apr 1996	960403		U.S.A.
876	M	25 Nov 1986	50	51	(SANDSTONE)	25 Nov 1986	UNK	Captive Born	U.S.A. BUBBA
					LOSANGELE	25 Nov 1986	UNK		U.S.A.
					(LOUISVILL)	2 Dec 1988	101130		U.S.A.
					WILDS	13 Dec 1994	UNK		U.S.A.
					(COLUMBUS )	14 Dec 1994	UNK		U.S.A.
					WILDS	1 Dec 1995	951201		U.S.A.

Totals: 2.6.0 (8)

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Tulsa Zoo and Living Museum, Tulsa, OK, USA

693	F	17 Mar 1980	UNK	UNK	JACKS TWP	17 Mar 1980	UNK	Captive Born	U.S.A. JEANNIE
					TULSA	3 Nov 1982	5591		U.S.A.

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=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name
=====
718 M 13 Apr 1981 UNK UNK JACKSN NJ 13 Apr 1981 UNK Captive Born BUZBIE
TULSA 3 Nov 1982 5590 U.S.A.

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Totals: 1.1.0 (2)

Wildlife Safari Inc, Winston, OR, USA

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29 M - 1959 WILD WILD NATAL SA - 1962 UNK S.AFRICAR MASHUARA
CHICAGOBR 1 Sep 1962 21083 U.S.A.
(WINSTON ) 14 Jun 1988 350002 U.S.A.

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30 F - 1960 WILD WILD NATAL SA - 1962 UNK S.AFRICAR NEVA
CHICAGOBR 1 Sep 1962 21082 U.S.A.
(WINSTON ) 14 Jun 1988 350003 U.S.A.

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1039 F 8 Jan 1991 465 452 KNOXVILLE 8 Jan 1991 1413 Captive Born U.S.A. TARYN
(WINSTON ) 27 Sep 1994 940204 U.S.A.

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Totals: 1.2.0 (3)

Knoxville Zoological Gardens, Knoxville, TN, USA

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452 F - 1968 WILD WILD NATAL SA - 1971 UNK S.AFRICAR POLLY
STOCKBRID 15 Apr 1972 UNK U.S.A.
(KNOXVILLE) 2 Nov 1976 142 U.S.A.

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453 F - 1968 WILD WILD NATAL SA - 1971 UNK S.AFRICAR DOLLY
STOCKBRID 15 Apr 1972 UNK U.S.A.
(KNOXVILLE) 2 Nov 1976 141 U.S.A.

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465 M - 1973 WILD WILD NATAL SA - 1974 UNK S.AFRICAR MONDO
KINGS ISL 25 Apr 1974 UNK U.S.A.
BATONROUG 26 Oct 1974 124 U.S.A.
(KNOXVILLE) 17 May 1988 1237 U.S.A.

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575 F 19 Aug 1977 573 574 ASHEBORO 19 Aug 1977 61 Captive Born U.S.A. CAROLINE
(KNOXVILLE) 9 Nov 1988 1259 U.S.A.

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1080 M 11 Nov 1995 473 452 KNOXVILLE 11 Nov 1995 1684 Captive Born U.S.A. DUGAN

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1081 M 26 Nov 1995 473 453 KNOXVILLE 26 Nov 1995 1686 Captive Born U.S.A. GREGORY

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Totals: 3.3.0 (6)

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=====
Stud # | Sex   | n Date | Sire | Dam | Location | Date   | Local ID | Birth-Origin | Country Name
=====
Memphis Zoological Garden & Aquarium, Memphis, TN, USA

  146  M     - 1963  WILD  WILD  NATAL SA      - 1970  UNK          S.AFRICAR PENDULLAH
        SD-WAP  17 Feb 1971 100253      U.S.A.
        COLUMBUS 21 Jun 1975 752006      U.S.A.
        MEMPHIS 12 Nov 1993  UNK          U.S.A.

  397  F     - 1972  WILD  WILD  NATAL SA      - 1973  UNK          S.AFRICAR TOMBI
        DOSWELL  2 Oct 1973  UNK          U.S.A.
        MEMPHIS 16 Apr 1976  0271        U.S.A.

  1148 F    30 Sep 1996  146   397  MEMPHIS  30 Sep 1996 16370      Captive Born U.S.A.
Totals: 1.2.0 (3)
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## Gladys Porter Zoo, Brownsville, TX, USA

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  190  F     - 1968  WILD  WILD  NATAL SA      - 1970  UNK          S.AFRICAR NOBELA
        BROWNSVIL 11 Sep 1970  262        U.S.A.

  620  F     - 1966  WILD  WILD  NATAL SA      - 1974  UNK          S.AFRICAR TILLEY
        KNOXVILLE 15 Aug 1974  145        U.S.A.
        BROWNSVIL 18 May 1988  3621       U.S.A.

  1041 M    14 Dec 1990  189   620 (BROWNSVIL) 14 Dec 1990 4648      Captive Born U.S.A.  STORMY
        KNOXVILLE 14 Dec 1990  UNK        U.S.A.

  1042 M    21 Jul 1994  189   620 BROWNSVIL  21 Jul 1994 5670      Captive Born U.S.A.  BWANA
Totals: 2.2.0 (4)
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## Fort Worth Zoological Park, Ft Worth, TX, USA

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  463  M     ~ 1970  WILD  WILD  NATAL SA      ~ 1972  UNK          S.AFRICAR BEN
        STOCKBRID 15 Apr 1972  UNK        U.S.A.
        LITTLEROC 12 Jun 1975  181        U.S.A.
        (FORTWORTH) 15 Dec 1990  747        U.S.A.

  464  F     ~ 1970  WILD  WILD  NATAL SA      ~ 1972  UNK          S.AFRICAR SUE
        STOCKBRID 15 Apr 1972  UNK        U.S.A.
        LITTLEROC 12 Jun 1975  182        U.S.A.
        (FORTWORTH) 18 Oct 1991  792        U.S.A.
Totals: 1.1.0 (2)
-----

```

## SOUTHERN WHITE RHINOCEROS Studbook

Page 11

Restricted to: (Ceratotherium simum simum)

Dates: During 13/12/1997 &lt;= date

Cooperative Management: In SSP

Report ordered by: current (last) location...

```

=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name
=====
Houston Zoological Gardens, Houston, TX, USA
=====
191 M - 1968 WILD WILD NATAL SA - 1970 UNK S.AFRICAR SAMBURU
HOUSTON 8 Jul 1970 441 U.S.A.
192 F - 1967 WILD WILD NATAL SA - Dec 1970 UNK Wild Born S.AFRICAR MARCIBUT
HOUSTON 8 Jul 1971 440 U.S.A.
=====

```

Totals: 1.1.0 (2)

## San Antonio Zool Garden &amp; Aquarium, San Antonio, TX, USA

```

=====
180 M - 1965 WILD WILD NATAL SA - 1970 UNK S.AFRICAR FRED
SAN ANTON 5 Oct 1970 701002 U.S.A.
181 F - 1965 WILD WILD NATAL SA - 1970 UNK S.AFRICAR GERTRUDE
SAN ANTON 5 Oct 1970 701003 U.S.A.
182 F - 1969 WILD WILD NATAL SA - 1969 UNK Wild Born S.AFRICAR PHOEBE
SAN ANTON 13 Feb 1971 710202 U.S.A.
1150 M 2 Dec 1996 180 182 SAN ANTON 2 Dec 1996 961209 Captive Born U.S.A.
=====

```

Totals: 2.2.0 (4)

## Sameron Park Zoo, Waco, TX, USA

```

=====
392 F - 1970 WILD WILD NATAL SA - 1974 UNK S.AFRICAR WRINKLES
KINGS ISL 25 Apr 1974 UNK U.S.A.
JACKSONVL 18 Dec 1975 875055 U.S.A.
WACO 7 Jun 1993 4290 U.S.A.
466 F - 1972 WILD WILD NATAL SA - 1974 UNK S.AFRICAR HATARI
KINGS ISL 25 Apr 1974 UNK U.S.A.
BATONROUG 26 Oct 1974 129 U.S.A.
WACO 5 Nov 1996 96054M U.S.A.
898 M 14 Jul 1987 34 153 PHOENIX 14 Jul 1987 5077 Captive Born U.S.A. OLLIE
FOSSILRIM 30 Mar 1989 12898 U.S.A.
WACO 22 Jun 1993 4291 U.S.A.
=====

```

Totals: 1.2.0 (3)

SOUTHERN WHITE RHINOCEROS Studbook

Restricted to: (Ceratotherium simum simum)  
 Dates: During 13/12/1997 <= date  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------

=====

Fossil Rim Wildlife Center, Glen Rose, TX, USA

31	M	- 1958	WILD	WILD	NATAL SA	- 1962	UNK			S.AFRICAR MTONDO
					MILWAUKEE	30 Aug 1962	204			U.S.A.
					FOSSILRIM	15 Dec 1988	12031			U.S.A.
50	M	- 1965	WILD	WILD	NATAL SA	- 1965	UNK	Wild Born		S.AFRICAR MAC
					LOSANGELE	17 Aug 1965	UNK			U.S.A.
					FORTWORTH	10 Dec 1982	UNK			U.S.A.
					SANDSTONE	5 Jul 1983	UNK			U.S.A.
					FOSSILRIM	9 Nov 1989	12050			U.S.A.
83	F	- 1967	WILD	WILD	NATAL SA	- 1968	UNK			S.AFRICAR POKEY
					FORTWORTH	23 May 1968	123			U.S.A.
					FOSSILRIM	20 Jan 1989	1283			U.S.A.
147	F	- 1963	WILD	WILD	NATAL SA	- 1970	UNK			S.AFRICAR MACITE
					SD-WAP	17 Feb 1971	100255			U.S.A.
					FOSSILRIM	14 Dec 1989	12147			U.S.A.
612	F	6 May 1979	562	566	W PALM BE	6 May 1979	UNK	Captive Born	U.S.A.	M'BILLI
					HOUSTON	21 Nov 1989	11944			U.S.A.
					FOSSILRIM	18 Mar 1997	UNK			U.S.A.
618	M	- 1967	WILD	WILD	NATAL SA	- 1974	UNK			S.AFRICAR MARVIN
					KNOXVILLE	15 Aug 1974	143			U.S.A.
					BATONROUG	16 May 1988	UNK			U.S.A.
					FOSSILRIM	5 Nov 1996	12618			U.S.A.
1027	F	6 Dec 1992	50	51	FOSSILRIM	6 Dec 1992	12052	Captive Born	U.S.A.	LAPTOP/OUT

Totals: 3.4.0 (7)

Red McCombs Ranch, Johnson City, TX, USA

202	M	28 Aug 1972	180	181	SAN ANTON	28 Aug 1972	721816	Captive Born	U.S.A.	SHAKA
					(BROWNSVIL)	8 Jan 1987	3120			U.S.A.
					MCCOMBS	4 Aug 1994	UNK			U.S.A.

Totals: 1.0.0 (1)

## SOUTHERN WHITE RHINOCEROS Studbook

Page 13

Restricted to: (Ceratotherium simum simum)  
 Dates: During 13/12/1997 <= date  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

```
=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country Name
=====
```

Utah's Hogle Zoo, Salt Lake City, UT, USA

335	M	24 Aug 1976	52	154	SD-WAP HOGLE	24 Aug 1976 18 May 1977	101852 00927	Captive Born U.S.A.	U.S.A.	SHIMBAYA
542	F	14 Jun 1979	52	157	SD-WAP HOGLE	14 Jun 1979 15 Dec 1980	542 02794	Captive Born U.S.A.	U.S.A.	PRINCESS

Totals: 1.1.0 (2)

## Virginia Zoological Park, Norfolk, VA, USA

686	F	- 1972	WILD	WILD	NATAL SA KINGS ISL NORFOLK	- 1974 25 Apr 1974 1 Jun 1974	UNK UNK 000015	S.AFRICAR U.S.A. U.S.A.	JESSE
687	M	- 1972	WILD	WILD	NATAL SA KINGS ISL NORFOLK	- 1974 25 Apr 1974 1 Jun 1974	UNK UNK 000016	S.AFRICAR U.S.A. U.S.A.	RUFUS
753	M	- 1969	WILD	WILD	NATAL SA DOSWELL WILDS (SIOUX FAL) WILDS NORFOLK	- 1973 3 Oct 1973 3 Jun 1994 10 Jun 1994 25 Aug 1995 18 Dec 1996	UNK 021 940601 UNK 940601 960067	S.AFRICAR U.S.A. U.S.A. U.S.A. U.S.A. U.S.A.	ALFRED

Totals: 2.1.0 (3)

## Henry Vilas Zoo, Madison, WI, USA

696	F	- 1968	WILD	WILD	NATAL SA FERNDAL MADISON	- 1972 22 Jul 1975 6 Jul 1976	UNK UNK 643	S.AFRICAR U.S.A. U.S.A.	NADIA
697	M	- 1968	WILD	WILD	NATAL SA FERNDAL MADISON	- 1972 22 Jul 1975 6 Jul 1976	UNK UNK 642	S.AFRICAR U.S.A. U.S.A.	SHAKA

Totals: 1.1.0 (2)

Restricted to: (Ceratotherium simum simum)

Dates: During 13/12/1997 <= date

Cooperative Management: In SSP

Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------

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Racine Zoological Garden, Racine, WI, USA

213	M	19 Dec 1972	52	152	SD-WAP	19 Dec 1972	UNK	Captive Born	U.S.A.	BENDER
					TORONTO	8 Aug 1974	4313		CANADA	
					CALGARY	19 Sep 1988	102965		CANADA	
					RACINE	4 Oct 1995	UNK		U.S.A.	

Totals: 1.0.0 (1)

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TOTALS: 53.64.0 (117)

38 Institutions

## SOUTHERN WHITE RHINOCEROS Studbook

Page 1

Restricted to: (Ceratotherium simum simum)

Dates: During 01/11/1995 &lt;= date

Event: Births

Cooperative Management: In SSP

Report ordered by: current (last) location...

```
=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country | Death-Date | Name
=====
```

San Diego Wild Animal Park, Escondido, CA, USA

```
1132  M  19 Aug 1996  187  157 SD-WAP  19 Aug 1996 696457  Captive Born U.S.A.  KUTU
1151  F  30 Jan 1997  187  159 SD-WAP  30 Jan 1997 697039  Captive Born U.S.A.  UTAMU
```

Totals: 1.1.0 (2)

White Oak Conservation Center /, Yulee, FL, USA

```
1152  M  13 Feb 1997  379  391 YULEE  13 Feb 1997 970008  Captive Born U.S.A.
```

Totals: 1.0.0 (1)

Knoxville Zoological Gardens, Knoxville, TN, USA

```
1080  M  11 Nov 1995  473  452 KNOXVILLE 11 Nov 1995 1684  Captive Born U.S.A.  DUGAN
1081  M  26 Nov 1995  473  453 KNOXVILLE 26 Nov 1995 1686  Captive Born U.S.A.  GREGORY
```

Totals: 2.0.0 (2)

Memphis Zoological Garden &amp; Aquarium, Memphis, TN, USA

```
1148  F  30 Sep 1996  146  397 MEMPHIS  30 Sep 1996 16370  Captive Born U.S.A.
```

Totals: 0.1.0 (1)

San Antonio Zool Garden &amp; Aquarium, San Antonio, TX, USA

```
1150  M  2 Dec 1996  180  182 SAN ANTON  2 Dec 1996 961209  Captive Born U.S.A.
```

Totals: 1.0.0 (1)

TOTALS: 5.2.0 (7)

5 Institutions



## SOUTHERN WHITE RHINOCEROS Studbook

Page 1

Restricted to: (Ceratotherium simum simum)  
 Dates: During 01/11/1995 <= date  
 Event: Deaths  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

=====

## Greater Vancouver Zool Centre, Aldergrover, Brit Columbia, CANADA

336	M	- 1966	WILD	WILD	NATAL SA	- 1972	UNK		S.AFRICAR		POP
					REDWOOD	1 May 1972	1023		U.S.A.		
					ALDERGROV	27 May 1997	UNK		CANADA		
						1 Sep 1997 (died)					1 Sep 1997

[Death by: Unknown means]

337	F	- 1966	WILD	WILD	NATAL SA	- 1972	UNK		S.AFRICAR		MOM
					REDWOOD	1 May 1972	1023		U.S.A.		
					ALDERGROV	27 May 1997	UNK		CANADA		
						1 Sep 1997 (died)					1 Sep 1997

[Death by: Unknown means]

Totals: 1.1.0 (2)

## San Diego Wild Animal Park, Escondido, CA, USA

150	F	- 1963	WILD	WILD	NATAL SA	- 1970	UNK		S.AFRICAR		SINAMRA
					SD-WAP	17 Feb 1971	100258		U.S.A.		
						4 Apr 1996 (died)					4 Apr 1996

[Death by: Other/Unknown Unknown Reproductive Unknown (after autopsy)]

1037	F	31 Jul 1994	187	157	SD-WAP	31 Jul 1994	694505	Captive Born	U.S.A.		KISIWA
						12 Mar 1997 (died)					12 Mar 1997

[Death by: Unknown means]

Totals: 0.2.0 (2)

## Jacksonville Zoological Gardens, Jacksonville, FL, USA

1035	F	18 Feb 1993	180	182	SAN ANTON	18 Feb 1993	930215	Captive Born	U.S.A.		SAFARI
					(JACKSONVL)	28 Jul 1994	894015		U.S.A.		
						10 Apr 1996 (died)					10 Apr 1996

[Death by: Unknown means]

Totals: 0.1.0 (1)

## SOUTHERN WHITE RHINOCEROS Studbook

Page 2

Restricted to: (Ceratotherium simum simum)

Dates: During 01/11/1995 &lt;= date

Event: Deaths

Cooperative Management: In SSP

Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

Greater Baton Rouge Zoo, Baker, LA, USA

587	F	~ 1970	WILD	WILD	NATAL SA	~ 1972	UNK		S.AFRICAR		AMY
					STOCKBRID	15 Apr 1972	UNK		U.S.A.		
					PHILADELP	22 Oct 1976	100486		U.S.A.		
					KNOXVILLE	25 Nov 1988	1261		U.S.A.		
					BATONROUG	18 Jan 1991	UNK		U.S.A.		
						19 Jan 1997 (died)					19 Jan 1997

[Death by: Unknown means]

Totals: 0.1.0 (1)

Cleveland Metroparks Zoological Park, Cleveland, OH, USA

790	M	3 Jan 1984	618	452	KNOXVILLE	3 Jan 1984	843	Captive Born	U.S.A.		KYLE
					(CLEVELAND)	23 May 1985	850505		U.S.A.		
						26 Sep 1996 (died)					26 Sep 1996

[Death by: Died in Transit Unknown No Autopsy Planned]

Totals: 1.0.0 (1)

Gladys Porter Zoo, Brownsville, TX, USA

189	M	~ 1968	WILD	WILD	NATAL SA	~ 1970	UNK		S.AFRICAR		M'KABI
					BROWNSVIL	11 Sep 1970	261		U.S.A.		
						5 Jun 1997 (died)					5 Jun 1997

[Death by: Other/Unknown Unknown Unknown (after Autopsy)]

Totals: 1.0.0 (1)

Red McCombs Ranch, Johnson City, TX, USA

80	M	~ 1959	WILD	WILD	NATAL SA	~ 1969	UNK		S.AFRICAR		LEROY
					LOUISVILL	6 Dec 1969	100131		U.S.A.		
					(KINGS ISL)	11 Feb 1985	821		U.S.A.		
					COLUMBUS	15 Jul 1988	UNK		U.S.A.		
					(BALTIMORE)	7 May 1992	92-038		U.S.A.		
					MCCOMBS	25 Sep 1996	UNK		U.S.A.		
						22 Feb 1997 (died)					22 Feb 1997

[Death by: Unknown means]

## SOUTHERN WHITE RHINOCEROS Studbook

Page 3

Restricted to: (Ceratotherium simum simum)  
 Dates: During 01/11/1995 <= date  
 Event: Deaths  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

```
=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country | Death-Date | Name
=====
```

219	F	8 May 1973	52	153	SD-WAP	8 May 1973	UNK	Captive Born	U.S.A.		HENRIETTA
					PHILADELP	4 May 1974	100251		U.S.A.		
					FOSSILRIM	28 Nov 1988	1219		U.S.A.		
					MCCOMBS	9 May 1996	UNK		U.S.A.		
						26 Feb 1997 (died)				26 Feb 1997	

[Death by: Unknown means]

Totals: 1.1.0 (2)

-----  
Chengdu Zoological Garden, Chengdu, Szechwan, CHINA

481	M	30 Dec 1975	UNK	UNK	JACKS TWP	30 Dec 1975	UNK	Captive Born	U.S.A.		DEANO
					PITTSBURG	11 Jul 1977	201		U.S.A.		
					CHENGDU	10 Jul 1996	UNK		CHINA		
						15 Jul 1996 (died)				15 Jul 1996	

[Death by: Died in Transit Unknown No Autopsy Planned]

482	F	25 Nov 1975	UNK	UNK	JACKS TWP	25 Nov 1975	UNK	Captive Born	U.S.A.		KIDAGO
					PITTSBURG	11 Jul 1977	202		U.S.A.		
					CHENGDU	10 Jul 1996	UNK		CHINA		
						15 Jul 1996 (died)				15 Jul 1996	

[Death by: Died in Transit Unknown No Autopsy Planned]

Totals: 1.1.0 (2)

-----  
Taman Safari Indonesia, Cisarua, Bogor, INDONESIA

788	F	22 Dec 1983	52	157	SD-WAP	22 Dec 1983	012004	Captive Born	U.S.A.		KARIBU
					BOGOR	24 May 1996	UNK		INDONESIA		
						2 Jul 1996 (died)				2 Jul 1996	

[Death by: Unknown means]

Totals: 0.1.0 (1)

=====

TOTALS: 5.8.0 (13)

9 Institutions

## SOUTHERN WHITE RHINOCEROS Studbook

Page 1

Restricted to: (Ceratotherium simum simum)

Dates: During 01/11/1995 &lt;= date

Event: Transfers

Cooperative Management: In SSP

Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

Greater Vancouver Zool Centre, Aldergrover, Brit Columbia, CANADA

336	M	- 1966	WILD	WILD	NATAL SA	- 1972	UNK		S.AFRICAR		POP
					REDWOOD	1 May 1972	1022		U.S.A.		
					ALDERGROV	27 May 1997	UNK		CANADA		
						1 Sep 1997 (died)					1 Sep 1997

[Death by: Unknown means]

337	F	- 1966	WILD	WILD	NATAL SA	- 1972	UNK		S.AFRICAR		MOM
					REDWOOD	1 May 1972	1023		U.S.A.		
					ALDERGROV	27 May 1997	UNK		CANADA		
						1 Sep 1997 (died)					1 Sep 1997

[Death by: Unknown means]

Totals: 1.1.0 (2)

Little Rock Zoological Gardens, Little Rock, AR, USA

82	M	- 1967	WILD	WILD	NATAL SA	- 1968	UNK		S.AFRICAR		DUDLEY
					FORTWORTH	23 May 1968	122		U.S.A.		
					FOSSILRIM	20 Jan 1989	1282		U.S.A.		
					LITTLEROC	20 Nov 1995	UNK		U.S.A.		

Totals: 1.0.0 (1)

San Diego Wild Animal Park, Escondido, CA, USA

473	M	- 1969	WILD	WILD	NATAL SA	- 1972	UNK		S.AFRICAR		CHUCK
					STOCKBRID	15 Apr 1972	UNK		U.S.A.		
					JACKSON	2 Sep 1974	000219		U.S.A.		
					KNOXVILLE	30 Aug 1988	1249		U.S.A.		
					SD-WAP	15 Dec 1996	696627		U.S.A.		

Totals: 1.0.0 (1)

Jacksonville Zoological Gardens, Jacksonville, FL, USA

1036	F	1 Jul 1994	177	391	YULEE	1 Jul 1994	UNK	Captive Born	U.S.A.		GABRIELLA
					JACKSONVL	27 Aug 1997	UNK		U.S.A.		

Totals: 0.1.0 (1)

## SOUTHERN WHITE RHINOCEROS Studbook

Page 2

Restricted to: (Ceratotherium simum simum)  
 Dates: During 01/11/1995 <= date  
 Event: Transfers  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

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Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

=====

## Disney's Animal Kingdom, Lake Buena Vista, FL, USA

1045	M	26 Sep 1994	180	182	SAN ANTON DISNEY AK	26 Sep 1994 18 Oct 1996	UNK UNK	Captive Born	U.S.A. U.S.A.		TEX
1079	F	9 Jul 1995	177	533	YULEE DISNEY AK	9 Jul 1995 27 Aug 1997	950037 UNK	Captive Born	U.S.A. U.S.A.		MAGGIE

Totals: 1.1.0 (2)

## Rolling Hills Ranch, Salina, KS, USA

467	F	- 1972	WILD	WILD	NATAL SA KINGS ISL BATONROUG KNOXVILLE ROLLING H	- 1974 25 Apr 1974 26 Oct 1974 17 Jan 1991 10 Oct 1996	UNK UNK 130 1416 UNK		S.AFRICAR U.S.A. U.S.A. U.S.A. U.S.A.		WAGASA
619	F	- 1966	WILD	WILD	NATAL SA KNOXVILLE ROLLING H	- 1974 15 Aug 1974 10 Oct 1996	UNK 144 UNK		S.AFRICAR U.S.A. U.S.A.		MILLEY
755	M	10 Jun 1979	754	752	DOSWELL WILDS (COLUMBUS ) WILDS ROLLING H	10 Jun 1979 14 Dec 1994 15 Dec 1994 30 Nov 1995 15 Nov 1996	750 UNK UNK 941201 UNK	Captive Born	U.S.A. U.S.A. U.S.A. U.S.A. U.S.A.		MILTON

Totals: 1.2.0 (3)

## Baltimore Zoo, Baltimore, MD, USA

1040	M	15 Sep 1993	473	452	KNOXVILLE BALTIMORE	15 Sep 1993 12 Nov 1996	1587 96065	Captive Born	U.S.A. U.S.A.		AKIN
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Totals: 1.0.0 (1)

## The Wilds / Irf, Cumberland, OH, USA

187	M	- 1968	WILD	WILD	NATAL SA FRESNO (SD-WAP ) WILDS	- 1971 19 Sep 1971 30 May 1990 10 Dec 1996	UNK 1156 690329 961234		S.AFRICAR U.S.A. U.S.A. U.S.A.		FODDER
-----	---	--------	------	------	--	---	---------------------------------	--	---	--	--------

SOUTHERN WHITE RHINOCEROS Studbook

Restricted to: (Ceratotherium simum simum)  
 Dates: During 01/11/1995 <= date  
 Event: Transfers  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
842	F	16 Sep 1985	40	397	MEMPHIS	16 Sep 1985	7593	Captive Born	U.S.A.		KARLA
					(CLEVELAND)	6 Jun 1986	860603		U.S.A.		
					WILDS	15 Apr 1996	960403		U.S.A.		
876	M	25 Nov 1986	50	51	(SANDSTONE)	25 Nov 1986	UNK	Captive Born	U.S.A.		BUBBA
					LOSANGELE	25 Nov 1986	UNK		U.S.A.		
					(LOUISVILL)	2 Dec 1988	101130		U.S.A.		
					WILDS	13 Dec 1994	UNK		U.S.A.		
					(COLUMBUS )	14 Dec 1994	UNK		U.S.A.		
WILDS	1 Dec 1995	951201		U.S.A.							

Totals: 2.1.0 (3)

Cameron Park Zoo, Waco, TX, USA

466	F	~ 1972	WILD	WILD	NATAL SA	~ 1974	UNK		S.AFRICAR		HATARI
					KINGS ISL	25 Apr 1974	UNK		U.S.A.		
					BATONROUG	26 Oct 1974	129		U.S.A.		
					WACO	5 Nov 1996	96054M		U.S.A.		

Totals: 0.1.0 (1)

Fossil Rim Wildlife Center, Glen Rose, TX, USA

612	F	6 May 1979	562	566	W PALM BE	6 May 1979	UNK	Captive Born	U.S.A.		M'BILLI
					HOUSTON	21 Nov 1989	11944		U.S.A.		
					FOSSILRIM	18 Mar 1997	UNK		U.S.A.		
618	M	~ 1967	WILD	WILD	NATAL SA	~ 1974	UNK		S.AFRICAR		MARVIN
					KNOXVILLE	15 Aug 1974	143		U.S.A.		
					BATONROUG	16 May 1988	UNK		U.S.A.		
					FOSSILRIM	5 Nov 1996	12618		U.S.A.		

Totals: 1.1.0 (2)

## SOUTHERN WHITE RHINOCEROS Studbook

Page 4

Restricted to: (Ceratotherium simum simum)  
 Dates: During 01/11/1995 <= date  
 Event: Transfers  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

=====

## Red McCombs Ranch, Johnson City, TX, USA

80	M	- 1959	WILD	WILD	NATAL SA	- 1969	UNK		S.AFRICAR		LEROY
					LOUISVILL	6 Dec 1969	100131		U.S.A.		
					(KINGS ISL)	11 Feb 1985	821		U.S.A.		
					COLUMBUS	15 Jul 1988	UNK		U.S.A.		
					(BALTIMORE)	7 May 1992	92-038		U.S.A.		
					MCCOMBS	25 Sep 1996	UNK		U.S.A.		
						22 Feb 1997 (died)				22 Feb 1997	

[Death by: Unknown means]

219	F	8 May 1973	52	153	SD-WAP	8 May 1973	UNK	Captive Born	U.S.A.		HENRIETTA
					PHILADELP	4 May 1974	100251		U.S.A.		
					FOSSILRIM	28 Nov 1988	1219		U.S.A.		
					MCCOMBS	9 May 1996	UNK		U.S.A.		
						26 Feb 1997 (died)				26 Feb 1997	

[Death by: Unknown means]

Totals: 1.1.0 (2)

## Virginia Zoological Park, Norfolk, VA, USA

753	M	- 1969	WILD	WILD	NATAL SA	- 1973	UNK		S.AFRICAR		ALFRED
					DOSWELL	3 Oct 1973	021		U.S.A.		
					WILDS	3 Jun 1994	940601		U.S.A.		
					(SIOUX FAL)	10 Jun 1994	UNK		U.S.A.		
					WILDS	25 Aug 1995	940601		U.S.A.		
					NORFOLK	18 Dec 1996	960067		U.S.A.		

Totals: 1.0.0 (1)

## Chengdu Zoological Garden, Chengdu, Szechwan, CHINA

481	M	30 Dec 1975	UNK	UNK	JACKS TWP	30 Dec 1975	UNK	Captive Born	U.S.A.		DEANO
					PITTSBURG	11 Jul 1977	201		U.S.A.		
					CHENGDU	10 Jul 1996	UNK		CHINA		
						15 Jul 1996 (died)				15 Jul 1996	

[Death by: Died in Transit Unknown No Autopsy Planned]

482	F	25 Nov 1975	UNK	UNK	JACKS TWP	25 Nov 1975	UNK	Captive Born	U.S.A.		KIDAGO
					PITTSBURG	11 Jul 1977	202		U.S.A.		
					CHENGDU	10 Jul 1996	UNK		CHINA		
						15 Jul 1996 (died)				15 Jul 1996	

[Death by: Died in Transit Unknown No Autopsy Planned]

Totals: 1.1.0 (2)

SOUTHERN WHITE RHINOCEROS Studbook

Restricted to: (Ceratotherium simum simum)  
 Dates: During 01/11/1995 <= date  
 Event: Transfers  
 Cooperative Management: In SSP  
 Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
===== Aman Safari Indonesia, Cisarua, Bogor, INDONESIA =====											
691	F	1 Nov 1980	420	429	GRAND PRA	1 Nov 1980	UNK	Captive Born	U.S.A.		BONNIE
					TULSA	3 Nov 1982	5592		U.S.A.		
					BOGOR	24 May 1996	UNK		INDONESIA		
788	F	22 Dec 1983	52	157	SD-WAP	22 Dec 1983	012004	Captive Born	U.S.A.		KARIBU
					BOGOR	24 May 1996	UNK		INDONESIA		
						2 Jul 1996 (died)				2 Jul 1996	

[Death by: Unknown means]

Totals: 0.2.0 (2)

TOTALS: 12.12.0 (24)  
 14 Institutions



Age Pyramid Report

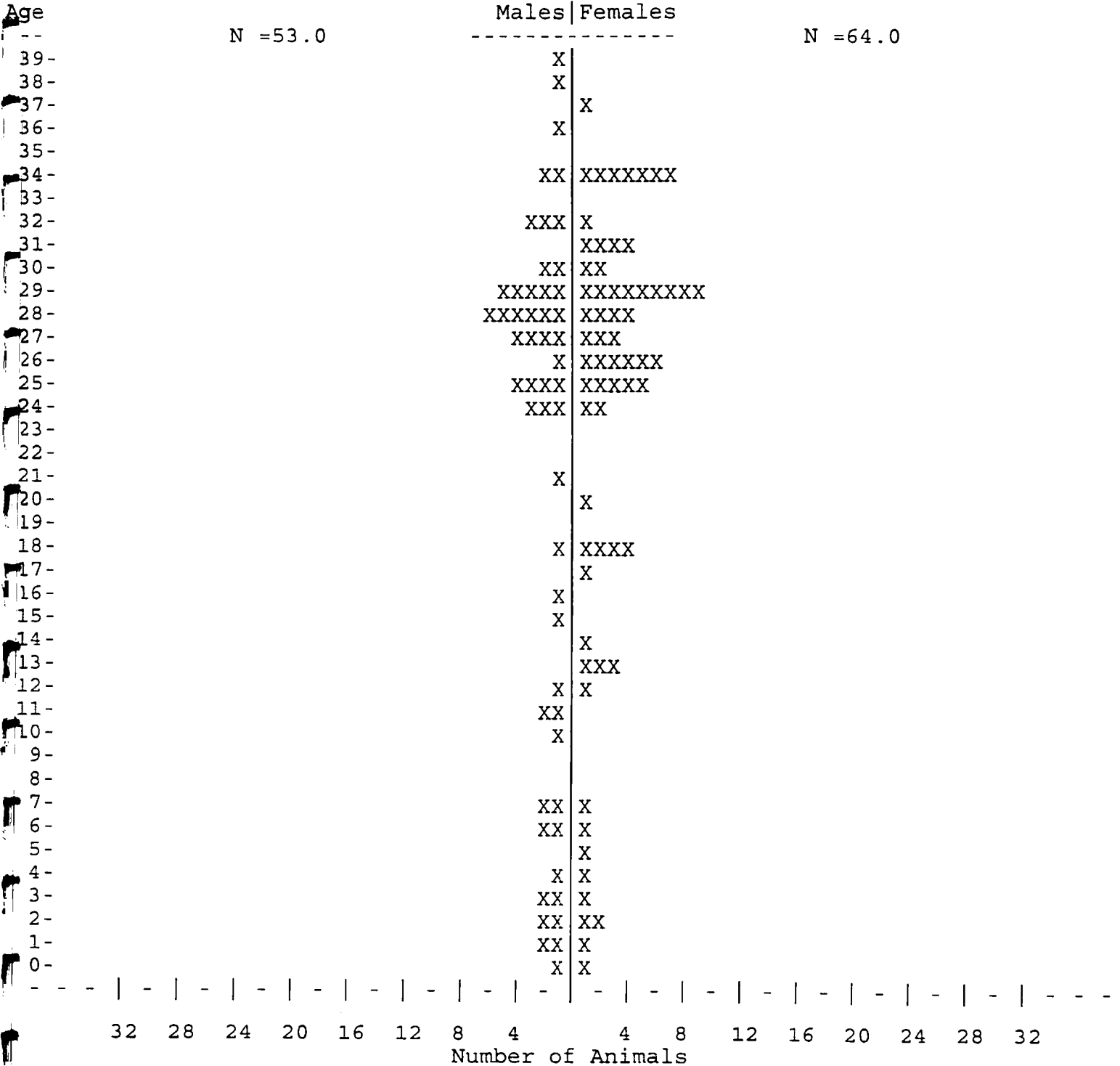
Restricted to: SOUTHERN WHITE RHINOCEROS Studbook

Dates: As of End of 11/12/1997 <= date

Cooperative Management: In SSP

Status: Living by

taxon Name: CERATOTHERIUM SIMUM SIMUM



X >>> Specimens of known sex...  
 ? >>> Specimens of unknown sex...

Age Pyramid Report

Restricted to: SOUTHERN WHITE RHINOCEROS Studbook  
 Dates: As of End of 11/12/1997 <= date  
 Cooperative Management: In SSP  
 Status: Living by

=====  
 Taxon Name: CERATOTHERIUM SIMUM SIMUM  
 =====

Age	Studbook Numbers >>>			Male		
39	31					
38	29					
37						
36	34					
35						
34	143	146				
33						
32	50	180	359			
31						
30	82	618				
29	177	187	191	379	697	
28	363	364	390	473	753	754
27	386	413	463	573		
26	469					
25	202	203	213	687		
24	220	465	707			
23						
22						
21	335					
20						
19						
18	755					
17						
16	718					
15	748					
14						
13						
12	841					
11	861	876				
10	898					
9						
8						
7	950	1041				
6	980	1034				
5						
4	1040					
3	1042	1045				
2	1080	1081				
1	1132	1150				
0	1152					

-----  
 Total= 53

Age Pyramid Report

Restricted to: SOUTHERN WHITE RHINOCEROS Studbook  
 Dates: As of End of 11/12/1997 <= date  
 Cooperative Management: In SSP  
 Status: Living by

=====  
 Taxon Name: CERATOTHERIUM SIMUM SIMUM  
 =====

Age	Studbook Numbers >>>	Female
39		
38		
37	30	
36		
35		
34	39	147 148 153 154 157 159
33		
32	181	
31	277	358 619 620
30	83	192
29	188	190 380 381 391 452 453 565 696
28	182	366 475 750
27	392	464 574
26	318	416 417 418 470 471
25	387	397 466 467 686
24	218	238
23		
22		
21		
20	575	
19		
18	533	542 582 612
17	693	
16		
15		
14	772	
13	791	819 822
12	842	
11		
10		
9		
8		
7	1038	
6	1039	
5	1027	
4	1020	
3	1036	
2	1051	1079
1	1148	
0	1151	

-----  
 Total= 64

Fecundity and Mortality Report

Restricted to: SOUTHERN WHITE RHINOCEROS Studbook

Dates: During 01/01/1988 <= date

Cooperative Management: In SSP

=====  
 Taxon Name: CERATOTHERIUM SIMUM SIMUM  
 =====

Age Class	Fecundity [Mx]...				Mortality [Qx]...			
	Male	N	Female	N	Male	N	Female	N
0- 1	0.00	18.8	0.00	16.7	0.10	20.8	0.10	19.6
1- 2	0.00	18.0	0.00	14.1	0.05	18.9	0.00	14.1
2- 3	0.00	14.9	0.00	10.3	0.00	14.9	0.09	10.7
3- 4	0.00	11.0	0.00	8.4	0.00	11.0	0.10	9.6
4- 5	0.00	9.3	0.00	9.0	0.00	9.3	0.00	9.0
5- 6	0.00	9.9	0.00	8.0	0.00	9.9	0.00	8.0
6- 7	0.00	9.2	0.00	7.9	0.00	9.2	0.00	7.9
7- 8	0.00	7.9	0.00	7.9	0.00	7.9	0.00	7.9
8- 9	0.00	7.4	0.00	9.4	0.00	7.4	0.00	9.4
9-10	0.00	8.0	0.05	11.0	0.00	8.0	0.00	11.0
10-11	0.00	7.4	0.00	12.1	0.00	7.4	0.00	12.1
11-12	0.00	6.3	0.00	12.8	0.00	6.3	0.00	12.8
12-13	0.00	6.1	0.08	12.1	0.00	6.4	0.00	12.1
13-14	0.00	5.4	0.05	10.7	0.00	5.4	0.00	10.7
14-15	0.00	6.5	0.05	9.5	0.00	6.5	0.00	9.5
15-16	0.00	10.5	0.00	10.0	0.00	10.5	0.00	10.0
16-17	0.00	12.7	0.09	16.0	0.00	12.7	0.00	16.0
17-18	0.00	13.0	0.00	22.5	0.00	13.0	0.00	22.5
18-19	0.00	16.5	0.02	23.1	0.00	16.5	0.00	23.1
19-20	0.00	21.7	0.02	27.3	0.05	22.0	0.00	27.3
20-21	0.04	26.3	0.01	35.9	0.00	26.3	0.03	36.4
21-22	0.00	26.3	0.03	35.1	0.00	26.3	0.03	36.0
22-23	0.06	27.0	0.00	40.0	0.00	27.0	0.00	40.0
23-24	0.02	30.0	0.00	40.4	0.00	30.0	0.05	41.0
24-25	0.10	30.4	0.04	40.5	0.00	30.4	0.00	40.5
25-26	0.02	28.7	0.02	49.8	0.00	28.7	0.02	50.8
26-27	0.09	26.4	0.01	44.8	0.04	27.0	0.02	45.7
27-28	0.08	25.9	0.04	36.6	0.04	26.8	0.03	38.1
28-29	0.06	23.7	0.03	34.5	0.00	23.7	0.00	34.5
29-30	0.08	19.2	0.05	29.3	0.00	19.8	0.00	29.3
30-31	0.00	14.1	0.00	21.1	0.00	14.1	0.00	21.1
31-32	0.05	10.1	0.03	17.2	0.09	11.4	0.05	18.7
32-33	0.00	8.9	0.05	10.9	0.00	8.9	0.09	11.0
33-34	0.08	6.0	0.06	8.3	0.00	6.0	0.11	9.0
34-35	0.00	5.9	0.07	7.7	0.00	5.9	0.00	7.7
35-36	0.00	4.0	0.00	1.0	0.00	4.0	0.00	1.0
36-37	0.00	4.0	0.00	1.0	0.00	4.0	0.00	1.0
37-38	0.00	3.0	0.00	1.0	0.00	3.0	0.00	1.0
38-39	0.00	2.1	0.00	0.0	0.34	3.0	0.00	0.0

Fecundity and Mortality Report

Restricted to: SOUTHERN WHITE RHINOCEROS Studbook

Dates: During 01/01/1988 <= date

Cooperative Management: In SSP

=====  
 Taxon Name: CERATOTHERIUM SIMUM SIMUM  
 =====

40-41	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0
41-42	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0

T = 26.509	T = 20.966	30 day mortality: 17%
Ro = 0.519	Ro = 0.518	(4 deaths out of 24 arriving
lambda=0.98	lambda=0.97	within 30 days of birth date)
r = -0.025	r = -0.031	

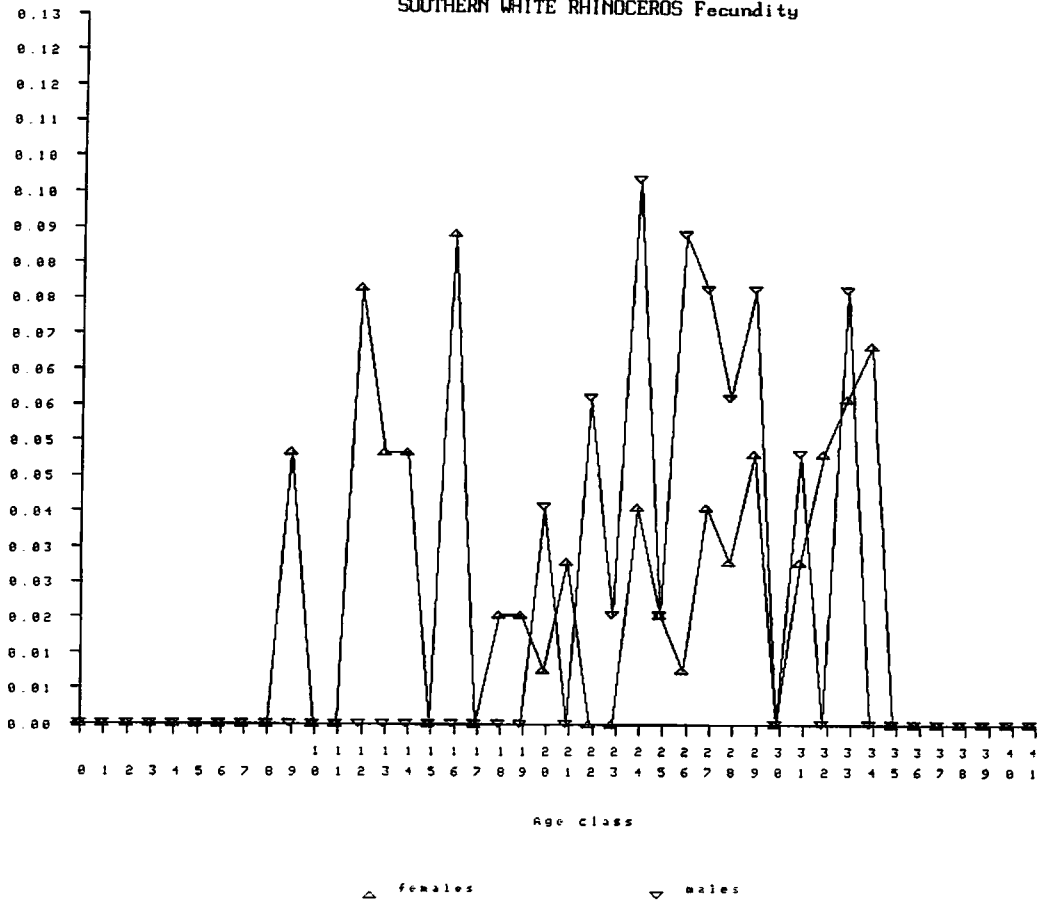
30 birth events to known age parents tabulated for Mx...  
 (Average of 31 births to female parents and 30 births to male parents.)

22 death events of known age tabulated for Qx...

WARNING: Values with small sample sizes (N) warrant less confidence...

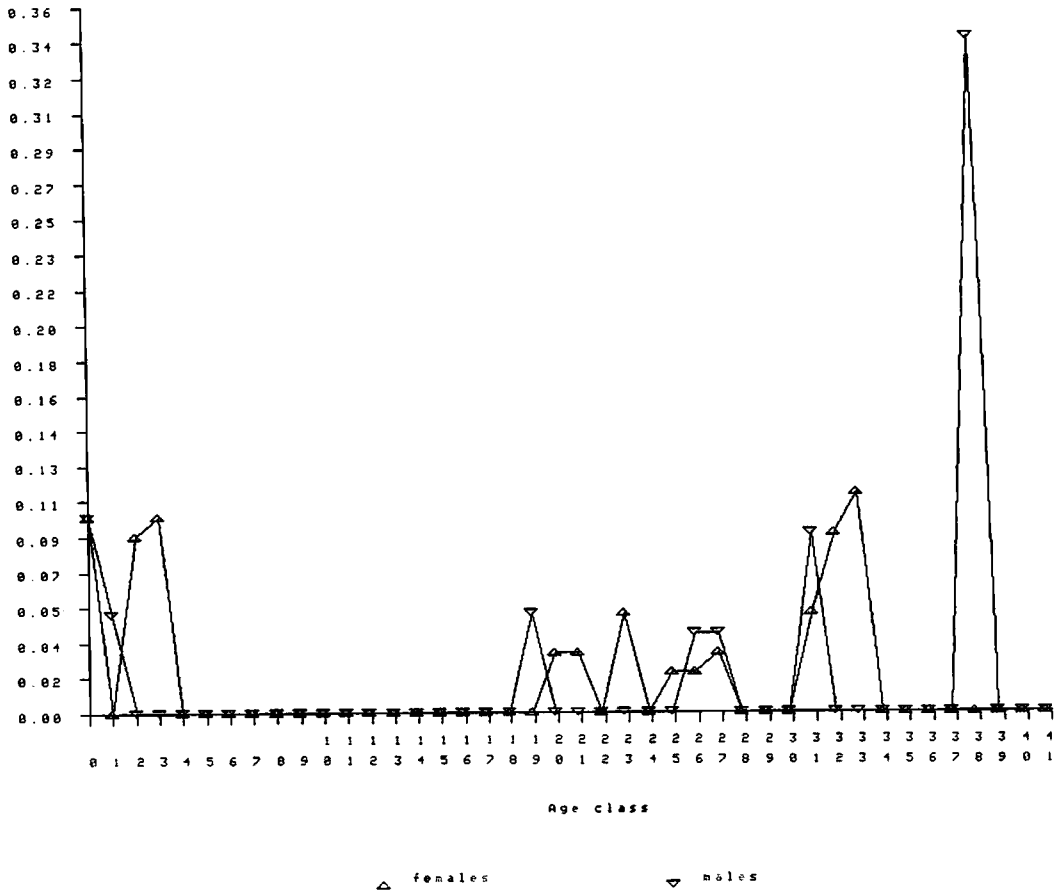
Fecundity

### SOUTHERN WHITE RHINOCEROS Fecundity



Mortality

### SOUTHERN WHITE RHINOCEROS Mortality



Age Class	Fecundity [Mx]...				Mortality [Qx]...			
	Male	N	Female	N	Male	N	Female	N
0- 1	0.00	18.8	0.00	16.7	0.10	20.8	0.10	19.6
1- 2	0.00	18.0	0.00	14.1	0.03	18.9	0.05	14.1
2- 3	0.00	14.9	0.00	10.3	0.02	14.9	0.06	10.7
3- 4	0.00	11.0	0.00	8.4	0.00	11.0	0.06	9.6
4- 5	0.00	9.3	0.00	9.0	0.00	9.3	0.03	9.0
5- 6	0.00	9.9	0.00	8.0	0.00	9.9	0.00	8.0
6- 7	0.00	9.2	0.00	7.9	0.00	9.2	0.00	7.9
7- 8	0.00	7.9	0.00	7.9	0.00	7.9	0.00	7.9
8- 9	0.00	7.4	0.02	9.4	0.00	7.4	0.00	9.4
9-10	0.00	8.0	0.02	11.0	0.00	8.0	0.00	11.0
10-11	0.00	7.4	0.02	12.1	0.00	7.4	0.00	12.1
11-12	0.00	6.3	0.03	12.8	0.00	6.3	0.00	12.8
12-13	0.00	6.1	0.04	12.1	0.00	6.4	0.00	12.1
13-14	0.00	5.4	0.06	10.7	0.00	5.4	0.00	10.7
14-15	0.00	6.5	0.03	9.5	0.00	6.5	0.00	9.5
15-16	0.00	10.5	0.05	10.0	0.00	10.5	0.00	10.0
16-17	0.00	12.7	0.03	16.0	0.00	12.7	0.00	16.0
17-18	0.00	13.0	0.04	22.5	0.00	13.0	0.00	22.5
18-19	0.00	16.5	0.01	23.1	0.02	16.5	0.00	23.1
19-20	0.01	21.7	0.02	27.3	0.02	22.0	0.01	27.3
20-21	0.01	26.3	0.02	35.9	0.02	26.3	0.02	36.4
21-22	0.03	26.3	0.01	35.1	0.00	26.3	0.02	36.0
22-23	0.03	27.0	0.01	40.0	0.00	27.0	0.03	40.0
23-24	0.06	30.0	0.01	40.4	0.00	30.0	0.02	41.0
24-25	0.05	30.4	0.02	40.5	0.00	30.4	0.02	40.5
25-26	0.07	28.7	0.02	49.8	0.01	28.7	0.01	50.8
26-27	0.06	26.4	0.02	44.8	0.03	27.0	0.02	45.7
27-28	0.08	25.9	0.03	36.6	0.03	26.8	0.02	38.1
28-29	0.07	23.7	0.04	34.5	0.01	23.7	0.01	34.5
29-30	0.05	19.2	0.03	29.3	0.00	19.8	0.00	29.3
30-31	0.04	14.1	0.03	21.1	0.03	14.1	0.02	21.1
31-32	0.02	10.1	0.03	17.2	0.03	11.4	0.05	18.7
32-33	0.04	8.9	0.05	10.9	0.03	8.9	0.08	11.0
33-34	0.03	6.0	0.06	8.3	0.00	6.0	0.07	9.0
34-35	0.03	5.9	0.04	7.7	0.00	5.9	0.04	7.7
35-36	0.00	4.0	0.02	1.0	0.00	4.0	0.00	1.0
36-37	0.00	4.0	0.00	1.0	0.00	4.0	0.00	1.0
37-38	0.00	3.0	0.00	1.0	0.11	3.0	0.00	1.0
38-39	0.00	2.1	0.00	0.0	0.11	3.0	0.00	0.0
39-40	0.00	1.0	0.00	0.0	0.11	1.0	0.00	0.0
40-41	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0
41-42	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0
42-43	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0

T = 26.524  
 Ro = 0.525  
 lambda=0.98  
 r = -0.024

T = 20.989  
 Ro = 0.516  
 lambda=0.97  
 r = -0.032

30 day mortality: 17%  
 (4 deaths out of 24 arriving  
 within 30 days of birth date)

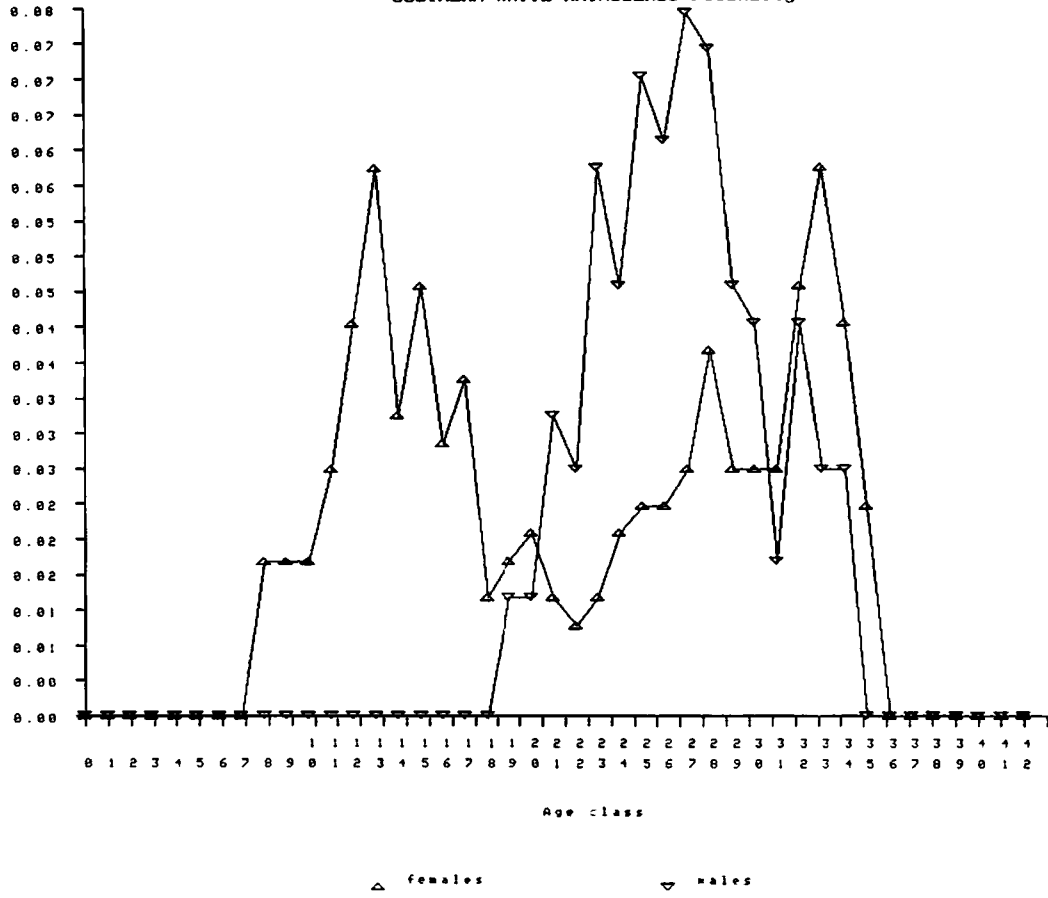
30 birth events to known age parents tabulated for Mx...  
 (Average of 31 births to female parents and 30 births to male parents.)  
 plus...  
 1 births to UNK or MULT sires...

22 death events of known age tabulated for Qx...



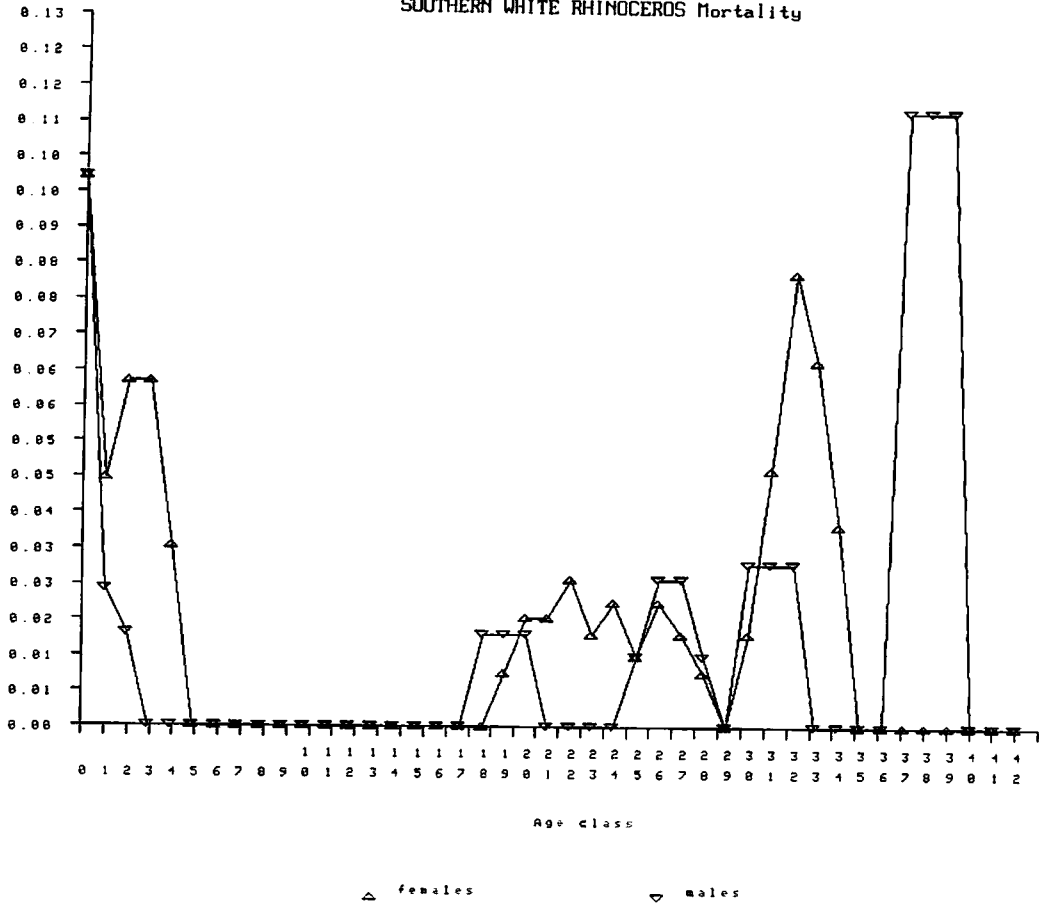
Fecundity

### SOUTHERN WHITE RHINOCEROS Fecundity



Mortality

### SOUTHERN WHITE RHINOCEROS Mortality



# FOUNDER ANALYSIS SOUTHERN WHITE RHINO *Ceratotherium simum simum*

Analysis date: 14/12/97

Dates: During 11/12/1997 <= date

Cooperative Management: In SSP

Founder calculations omit UNKNOWNs.

## Founders

Founders	29	30	31	34	39	40	50
Founders	51	52	82	83	143	146	147
Founders	148	150	151	152	153	154	155
Founders	156	157	159	177	180	181	182
Founders	187	188	189	190	191	192	277
Founders	318	358	359	363	364	366	379
Founders	380	381	386	387	390	391	392
Founders	397	413	416	417	418	420	452
Founders	453	463	464	465	466	467	469
Founders	470	471	473	475	562	565	566
Founders	573	574	618	619	620	686	687
Founders	696	697	707	750	752	753	754

## Founder contributions

0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	1.0000
1.0000	5.5000	0.0000	0.0000	0.5000	0.5000	0.0000
0.0000	1.0000	0.5000	0.5000	0.5000	1.0000	1.0000
0.2500	2.2500	1.5000	1.5000	1.5000	0.5000	1.0000
2.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000
0.0000	0.0000	0.0000	0.0000	1.5000	2.5000	0.0000
1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.5000
1.5000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000
0.0000	0.0000	1.5000	0.0000	0.5000	0.0000	0.5000
0.5000	0.5000	1.0000	0.0000	1.5000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000

## Fractional contributions

0.0000	0.0000	0.0000	0.0116	0.0000	0.0116	0.0233
0.0233	0.1279	0.0000	0.0000	0.0116	0.0116	0.0000
0.0000	0.0233	0.0116	0.0116	0.0116	0.0233	0.0233
0.0058	0.0523	0.0349	0.0349	0.0349	0.0116	0.0233
0.0465	0.0000	0.0233	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0116
0.0000	0.0000	0.0000	0.0000	0.0349	0.0581	0.0000
0.0233	0.0000	0.0000	0.0000	0.0000	0.0233	0.0349
0.0349	0.0000	0.0000	0.0233	0.0000	0.0000	0.0000
0.0000	0.0000	0.0349	0.0000	0.0116	0.0000	0.0116
0.0116	0.0116	0.0233	0.0000	0.0349	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0116	0.0000	0.0116

## Number of living descendants

0	0	0	1	0	1	2
2	13	0	0	1	1	0
0	2	1	1	1	2	2
1	6	3	3	3	1	2
4	0	2	0	0	0	0
0	0	0	0	0	0	1
0	0	0	0	4	6	0
2	0	0	0	0	2	3
3	0	0	2	0	0	0
0	0	3	0	1	0	1
1	1	2	0	3	0	0
0	0	0	0	1	0	1

# GENE DROP ANALYSIS SOUTHERN WHITE RHINO *Ceratotherium simum simum*

Analysis date: 14/12/97

Dates: During 11/12/1997 <= date

Cooperative Management: In SSP

(Allele loss calculations assume animals breed according to Repro. Values.)

Studbook	Sire	Dam	Location	Prop. genome unique among living desc.	unique among all living	Prob. allele will be lost
29 M	WILD	WILD	WINSTON		1.0000	1.0000
30 F	WILD	WILD	WINSTON		1.0000	1.0000
31 M	WILD	WILD	FOSSILRIM		1.0000	1.0000
34 M	WILD	WILD	PHOENIX		0.5000	0.6416
39 F	WILD	WILD	OMAHA		1.0000	0.9727
50 M	WILD	WILD	FOSSILRIM		0.2520	0.3834
82 M	WILD	WILD	LITTLEROC		1.0000	0.9330
83 F	WILD	WILD	FOSSILRIM		1.0000	0.7684
143 M	WILD	WILD	TORONTO		0.5000	0.6321
146 M	WILD	WILD	MEMPHIS		0.5000	0.6058
147 F	WILD	WILD	FOSSILRIM		1.0000	0.9727
148 F	WILD	WILD	WILDS		1.0000	0.9727
153 F	WILD	WILD	PHOENIX		0.5000	0.6241
154 F	WILD	WILD	SD-WAP		0.2510	0.4937
157 F	WILD	WILD	SD-WAP		0.1370	0.2661
159 F	WILD	WILD	SD-WAP		0.1120	0.2075
177 M	WILD	WILD	YULEE		0.1125	0.1713
180 M	WILD	WILD	SAN ANTON		0.1205	0.2767
181 F	WILD	WILD	SAN ANTON		0.5000	0.6380
182 F	WILD	WILD	SAN ANTON		0.2490	0.2574
187 M	WILD	WILD	WILDS		0.0555	0.1118
188 F	WILD	WILD	SD-WAP		1.0000	0.7371
190 F	WILD	WILD	BROWNSVIL		1.0000	0.7371
191 M	WILD	WILD	HOUSTON		1.0000	0.8706
192 F	WILD	WILD	HOUSTON		1.0000	0.7371
202 M	180	181	MCCOMBS	0.6305	0.0000	0.3110
203 M	52	151	TUCSON	0.5005	0.5005	0.2645
213 M	52	152	RACINE	0.5020	0.5020	0.2662
218 F	52	157	TORONTO	0.0125	0.0000	0.0449
220 M	52	154	TOLEDO	0.2490	0.0000	0.1668
238 F	52	150	TUCSON	0.2590	0.2590	0.2060
277 F	WILD	WILD	SD-WAP		1.0000	0.8011
318 F	WILD	WILD	JACKSONVL		1.0000	0.6329
335 M	52	154	HOGLE	0.2510	0.0020	0.1486
358 F	WILD	WILD	RIO GRAND		1.0000	0.8011
359 M	WILD	WILD	RIO GRAND		1.0000	1.0000
363 M	WILD	WILD	ROCKTON		1.0000	0.7900
364 M	WILD	WILD	ROCKTON		1.0000	0.7900
366 F	WILD	WILD	ROCKTON		1.0000	0.6974
379 M	WILD	WILD	YULEE		0.5000	0.5287
380 F	WILD	WILD	BALTIMORE		1.0000	0.7371
381 F	WILD	WILD	TOLEDO		1.0000	0.7371
386 M	WILD	WILD	MONROE		1.0000	0.7071
387 F	WILD	WILD	MONROE		1.0000	0.6071
390 M	WILD	WILD	JACKSONVL		0.2485	0.2887
391 F	WILD	WILD	YULEE		0.0640	0.0989
392 F	WILD	WILD	WACO		1.0000	0.6329
397 F	WILD	WILD	MEMPHIS		0.2570	0.2377
413 M	WILD	WILD	ASHEBORO		1.0000	0.7071
416 F	WILD	WILD	WILDS		1.0000	0.6329
417 F	WILD	WILD	WILDS		1.0000	0.6329
418 F	WILD	WILD	WILDS		1.0000	0.6329
452 F	WILD	WILD	KNOXVILLE		0.1155	0.1604
453 F	WILD	WILD	KNOXVILLE		0.1285	0.1910
463 M	WILD	WILD	FORTWORTH		1.0000	0.7071

Studbook	Sire	Dam	Location	Prop. genome living desc.	unique among all living	Prob. allele will be lost
464	F	WILD	WILD FORTWORTH		1.0000	0.6598
465	M	WILD	WILD KNOXVILLE		0.2655	0.1919
466	F	WILD	WILD WACO		1.0000	0.6071
467	F	WILD	WILD ROLLING H		1.0000	0.6071
469	M	WILD	WILD BIRMINGHM		1.0000	0.6329
470	F	WILD	WILD BIRMINGHM		1.0000	0.6329
471	F	WILD	WILD BIRMINGHM		1.0000	0.6329
473	M	WILD	WILD SD-WAP		0.1305	0.1812
475	F	WILD	WILD JACKSON		1.0000	0.6974
533	F	390	391 YULEE	0.0765	0.0000	0.0570
542	F	52	157 HOGLE	0.1125	0.0000	0.0926
565	F	WILD	WILD ASHEBORO		1.0000	0.7371
573	M	WILD	WILD ASHEBORO		0.5000	0.5378
574	F	WILD	WILD ASHEBORO		0.5000	0.5018
575	F	573	574 KNOXVILLE	1.0000	0.0000	0.3562
582	F	P218	218 TORONTO	0.2455	0.2455	0.1700
612	F	562	566 FOSSILRIM	1.0000	1.0000	0.5000
618	M	WILD	WILD FOSSILRIM		0.2460	0.4324
619	F	WILD	WILD ROLLING H		1.0000	0.8011
620	F	WILD	WILD BROWNSVIL		0.1235	0.2045
686	F	WILD	WILD NORFOLK		1.0000	0.6071
687	M	WILD	WILD NORFOLK		1.0000	0.5664
693	F	UNK	UNK TULSA		1.0000	0.4730
696	F	WILD	WILD MADISON		1.0000	0.7371
697	M	WILD	WILD MADISON		1.0000	0.8706
707	M	WILD	WILD JACKSON		1.0000	0.5070
718	M	UNK	UNK TULSA		1.0000	0.3487
748	M	P218	218 GRANBY	0.2455	0.2455	0.1324
750	F	WILD	WILD WILDS		1.0000	0.6974
753	M	WILD	WILD NORFOLK		1.0000	0.7900
754	M	WILD	WILD LOUISVILL		0.5000	0.5406
755	M	754	752 ROLLING H	1.0000	0.5000	0.3299
772	F	618	453 LOUISVILL	0.3840	0.0000	0.1747
791	F	618	620 LOUISVILL	0.3805	0.0000	0.1648
819	F	52	155 SD-WAP	0.2465	0.2465	0.1080
822	F	52	150 SD-WAP	0.2585	0.2585	0.1305
841	M	420	599 HONOLULU	0.5080	0.5080	0.1767
842	F	40	397 WILDS	0.7430	0.5000	0.1901
861	M	420	155 OMAHA	0.5005	0.5005	0.1952
876	M	50	51 WILDS	0.5075	0.2595	0.1742
898	M	34	153 WACO	1.0000	0.0000	0.2793
950	M	143	218 TORONTO	0.5000	0.0000	0.1418
980	M	187	159 ROLLING H	0.1955	0.0000	0.0684
1020	F	177	533 YULEE	0.1345	0.0000	0.0378
1027	F	50	51 FOSSILRIM	0.5075	0.2595	0.1200
1034	M	390	391 AUDUBON	0.3140	0.0000	0.0780
1036	F	177	391 JACKSONVL	0.1960	0.0000	0.0434
1038	F	465	453 AUDUBON	0.3615	0.0000	0.0664
1039	F	465	452 WINSTON	0.3590	0.0000	0.0598
1040	M	473	452 BALTIMORE	0.2705	0.0000	0.0664
1041	M	189	620 KNOXVILLE	0.3645	0.2450	0.1170
1042	M	189	620 BROWNSVIL	0.3755	0.2450	0.1048
1045	M	180	182 DISNEY AK	0.3695	0.0000	0.0953
1051	F	187	159 SD-WAP	0.1815	0.0000	0.0507
1079	F	177	533 DISNEY AK	0.1200	0.0000	0.0381
1080	M	473	452 KNOXVILLE	0.2485	0.0000	0.0599
1081	M	473	453 KNOXVILLE	0.2250	0.0000	0.0607
1132	M	187	157 SD-WAP	0.1765	0.0000	0.0656
1148	F	146	397 MEMPHIS	0.7430	0.0000	0.1463
1150	M	180	182 SAN ANTON	0.3815	0.0000	0.0955
1151	F	187	159 SD-WAP	0.2015	0.0000	0.0614
1152	M	379	391 YULEE	0.5645	0.0000	0.1105

87 Founders

44 Living descendants

132 In analysis

## FOUNDER ALLELE REPRESENTATION

Founder	Retention	%Representation		Target		Difference	
		with unk	w/o	with unk	w/o	with unk	w/o
29 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
30 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
31 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
34 ML	0.500	1.136	1.163	1.223	1.266	0.087	0.103
39 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
40 M	0.500	1.136	1.163	0.612	0.633	-0.525	-0.530
50 ML	0.748	2.273	2.326	1.223	1.266	-1.050	-1.060
51 F	0.760	2.273	2.326	0.929	0.961	-1.344	-1.364
52 M	0.998	12.480	12.770	1.221	1.263	-11.259	-11.507
82 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
83 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
143 ML	0.500	1.136	1.163	1.223	1.266	0.087	0.103
146 ML	0.500	1.136	1.163	1.223	1.266	0.087	0.103
147 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
148 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
150 F	0.758	2.273	2.326	0.927	0.959	-1.346	-1.367
151 F	0.500	1.136	1.163	0.612	0.633	-0.525	-0.530
152 F	0.500	1.136	1.163	0.612	0.633	-0.525	-0.530
153 FL	0.500	1.136	1.163	1.223	1.266	0.087	0.103
154 FL	0.749	2.273	2.326	1.223	1.266	-1.050	-1.060
155 F	0.745	2.273	2.326	0.911	0.943	-1.362	-1.383
156 F	0.252	0.573	0.586	0.308	0.319	-0.265	-0.267
157 FL	0.863	5.130	5.249	1.223	1.266	-3.906	-3.983
159 FL	0.888	3.409	3.488	1.223	1.266	-2.186	-2.223
177 ML	0.888	3.409	3.488	1.223	1.266	-2.186	-2.223
180 ML	0.880	3.409	3.488	1.223	1.266	-2.186	-2.223
181 FL	0.500	1.136	1.163	1.223	1.266	0.087	0.103
182 FL	0.751	2.273	2.326	1.223	1.266	-1.050	-1.060
187 ML	0.944	4.545	4.651	1.223	1.266	-3.322	-3.386
188 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
189 M	0.745	2.273	2.326	0.911	0.943	-1.362	-1.383
190 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
191 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
192 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
277 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
318 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
358 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
359 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
363 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
364 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
366 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
379 ML	0.500	1.136	1.163	1.223	1.266	0.087	0.103
380 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
381 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
386 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
387 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
390 ML	0.752	3.415	3.494	1.223	1.266	-2.192	-2.229
391 FL	0.936	5.676	5.808	1.223	1.266	-4.453	-4.543
392 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
397 FL	0.743	2.273	2.326	1.223	1.266	-1.050	-1.060
413 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
416 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
417 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
418 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
420 M	0.756	2.273	2.326	0.924	0.956	-1.349	-1.369
452 FL	0.885	3.409	3.488	1.223	1.266	-2.186	-2.223
453 FL	0.872	3.409	3.488	1.223	1.266	-2.186	-2.223
463 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
464 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
465 ML	0.734	2.273	2.326	1.223	1.266	-1.050	-1.060
466 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
467 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
469 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
470 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266

Founder	Retention	%Representation		Target		Difference	
		with unk	w/o	with unk	w/o	with unk	w/o
471 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
473 ML	0.870	3.409	3.488	1.223	1.266	-2.186	-2.223
475 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
562 M	0.500	1.136	1.163	0.612	0.633	-0.525	-0.530
565 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
566 F	0.500	1.136	1.163	0.612	0.633	-0.525	-0.530
573 ML	0.500	1.136	1.163	1.223	1.266	0.087	0.103
574 FL	0.500	1.136	1.163	1.223	1.266	0.087	0.103
618 ML	0.754	2.273	2.326	1.223	1.266	-1.050	-1.060
619 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
620 FL	0.876	3.409	3.488	1.223	1.266	-2.186	-2.223
686 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
687 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
693 FLU	0.000	0.000	0.000	1.223	0.000	1.223	0.000
696 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
697 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
707 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
718 MLU	0.000	0.000	0.000	1.223	0.000	1.223	0.000
750 FL	0.000	0.000	0.000	1.223	1.266	1.223	1.266
752 F	0.500	1.136	1.163	0.612	0.633	-0.525	-0.530
753 ML	0.000	0.000	0.000	1.223	1.266	1.223	1.266
754 ML	0.500	1.136	1.163	1.223	1.266	0.087	0.103
P218 M U	0.746	2.273	0.000	0.912	0.000	-1.361	0.000

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**GENETIC SUMMARY**

**LIVING DESCENDANT POPULATION POTENTIAL**

	with unknowns	w/o	w/ unkn	w/o
Number of founders:	40	39	87	84
Mean retention:	0.685	0.683	0.940	0.941
Founder genomes surviving:	27.390	26.644	81.758	79.012
Founder Genome Equivalents:	18.382	17.811	81.758	79.012
Fraction source gene diversity retained:	0.973	0.972	0.994	0.994
Fraction wild source gene diversity lost:	0.027	0.028	0.006	0.006
Mean inbreeding coefficient:	0.000			

# INBREEDING COEFFICIENTS AND MEAN KINSHIPS

## SOUTHERN WHITE RHINO - *Ceratotherium simum simum*

Analysis date: 14/12/97

Dates: During 11/12/1997 <= date

Cooperative Management: In SSP

Inbreeding and kinship calculations omit genes from UNKNOWN ancestors.

### MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean kinship	Kinship value	Known	Location
29 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WINSTON
30 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WINSTON
31 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	FOSSILRIM
34 M	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0060	1.0000	PHOENIX
39 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	OMAHA
50 M	WILD	WILD	F = 0.0000	mk = 0.0116	kv = 0.0139	1.0000	FOSSILRIM
82 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	LITTLEROC
83 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	FOSSILRIM
143 M	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0063	1.0000	TORONTO
146 M	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0074	1.0000	MEMPHIS
147 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	FOSSILRIM
148 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WILDS
153 F	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0060	1.0000	PHOENIX
154 F	WILD	WILD	F = 0.0000	mk = 0.0116	kv = 0.0082	1.0000	SD-WAP
157 F	WILD	WILD	F = 0.0000	mk = 0.0262	kv = 0.0208	1.0000	SD-WAP
159 F	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0223	1.0000	SD-WAP
177 M	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0243	1.0000	YULEE
180 M	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0178	1.0000	SAN ANTON
181 F	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0032	1.0000	SAN ANTON
182 F	WILD	WILD	F = 0.0000	mk = 0.0116	kv = 0.0146	1.0000	SAN ANTON
187 M	WILD	WILD	F = 0.0000	mk = 0.0233	kv = 0.0296	1.0000	WILDS
188 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	SD-WAP
190 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	BROWNSVIL
191 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	HOUSTON
192 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	HOUSTON
202 M	180	181	F = 0.0000	mk = 0.0174	kv = 0.0138	1.0000	MCCOMBS
203 M	52	151	F = 0.0000	mk = 0.0407	kv = 0.0273	1.0000	TUCSON
213 M	52	152	F = 0.0000	mk = 0.0407	kv = 0.0273	1.0000	RACINE
218 F	52	157	F = 0.0000	mk = 0.0596	kv = 0.0430	1.0000	TORONTO
220 M	52	154	F = 0.0000	mk = 0.0436	kv = 0.0302	1.0000	TOLEDO
238 F	52	150	F = 0.0000	mk = 0.0436	kv = 0.0291	1.0000	TUCSON
277 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	SD-WAP
318 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	JACKSONVL
335 M	52	154	F = 0.0000	mk = 0.0436	kv = 0.0310	1.0000	HOGLE
358 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	RIO GRAND
359 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	RIO GRAND
363 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	ROCKTON
364 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	ROCKTON
366 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	ROCKTON
379 M	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0073	1.0000	YULEE
380 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	BALTIMORE
381 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	TOLEDO
386 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	MONROE
387 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	MONROE
390 M	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0179	1.0000	JACKSONVL
391 F	WILD	WILD	F = 0.0000	mk = 0.0291	kv = 0.0334	1.0000	YULEE
392 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WACO
397 F	WILD	WILD	F = 0.0000	mk = 0.0116	kv = 0.0135	1.0000	MEMPHIS
413 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	ASHEBORO
416 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WILDS
417 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WILDS



Studbook	Sire	Dam	Inbreeding	Mean kinship	Kinship value	Known	Location
418 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WILDS
452 F	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0219	1.0000	KNOXVILLE
453 F	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0191	1.0000	KNOXVILLE
463 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	FORTWORTH
464 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	FORTWORTH
465 M	WILD	WILD	F = 0.0000	mk = 0.0116	kv = 0.0147	1.0000	KNOXVILLE
466 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WACO
467 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	ROLLING H
469 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	BIRMINGHAM
470 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	BIRMINGHAM
471 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	BIRMINGHAM
473 M	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0219	1.0000	SD-WAP
475 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	JACKSON
533 F	390	391	F = 0.0000	mk = 0.0349	kv = 0.0370	1.0000	YULEE
542 F	52	157	F = 0.0000	mk = 0.0509	kv = 0.0361	1.0000	HOGLE
565 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	ASHEBORO
573 M	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0031	1.0000	ASHEBORO
574 F	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0031	1.0000	ASHEBORO
575 F	573	574	F = 0.0000	mk = 0.0116	kv = 0.0062	1.0000	KNOXVILLE
582 F	P218	218	F = 0.0000	mk = 0.0654	kv = 0.0465	0.5000	TORONTO
612 F	562	566	F = 0.0000	mk = 0.0116	kv = 0.0066	1.0000	FOSSILRIM
618 M	WILD	WILD	F = 0.0000	mk = 0.0116	kv = 0.0096	1.0000	FOSSILRIM
619 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	ROLLING H
620 F	WILD	WILD	F = 0.0000	mk = 0.0174	kv = 0.0189	1.0000	BROWNSVIL
686 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	NORFOLK
687 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	NORFOLK
693 F	UNK	UNK				0.0000	TULSA
696 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	MADISON
697 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	MADISON
707 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	JACKSON
718 M	UNK	UNK				0.0000	TULSA
748 M	P218	218	F = 0.0000	mk = 0.0654	kv = 0.0483	0.5000	GRANBY
750 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	WILDS
753 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	NORFOLK
754 M	WILD	WILD	F = 0.0000	mk = 0.0058	kv = 0.0048	1.0000	LOUISVILL
755 M	754	752	F = 0.0000	mk = 0.0116	kv = 0.0095	1.0000	ROLLING H
772 F	618	453	F = 0.0000	mk = 0.0203	kv = 0.0190	1.0000	LOUISVILL
791 F	618	620	F = 0.0000	mk = 0.0203	kv = 0.0193	1.0000	LOUISVILL
819 F	52	155	F = 0.0000	mk = 0.0436	kv = 0.0337	1.0000	SD-WAP
822 F	52	150	F = 0.0000	mk = 0.0436	kv = 0.0321	1.0000	SD-WAP
841 M	420	599	F = 0.0000	mk = 0.0298	kv = 0.0248	1.0000	HONOLULU
842 F	40	397	F = 0.0000	mk = 0.0145	kv = 0.0158	1.0000	WILDS
861 M	420	155	F = 0.0000	mk = 0.0174	kv = 0.0172	1.0000	OMAHA
876 M	50	51	F = 0.0000	mk = 0.0174	kv = 0.0198	1.0000	WILDS
898 M	34	153	F = 0.0000	mk = 0.0116	kv = 0.0120	1.0000	WACO
950 M	143	218	F = 0.0000	mk = 0.0385	kv = 0.0310	1.0000	TORONTO
980 M	187	159	F = 0.0000	mk = 0.0262	kv = 0.0326	1.0000	ROLLING H
1020 F	177	533	F = 0.0000	mk = 0.0320	kv = 0.0389	1.0000	YULEE
1027 F	50	51	F = 0.0000	mk = 0.0174	kv = 0.0220	1.0000	FOSSILRIM
1034 M	390	391	F = 0.0000	mk = 0.0291	kv = 0.0322	1.0000	AUDUBON
1036 F	177	391	F = 0.0000	mk = 0.0291	kv = 0.0370	1.0000	JACKSONVL
1038 F	465	453	F = 0.0000	mk = 0.0203	kv = 0.0241	1.0000	AUDUBON
1039 F	465	452	F = 0.0000	mk = 0.0203	kv = 0.0258	1.0000	WINSTON
1040 M	473	452	F = 0.0000	mk = 0.0233	kv = 0.0290	1.0000	BALTIMORE
1041 M	189	620	F = 0.0000	mk = 0.0203	kv = 0.0229	1.0000	KNOXVILLE
1042 M	189	620	F = 0.0000	mk = 0.0203	kv = 0.0236	1.0000	BROWNSVIL
1045 M	180	182	F = 0.0000	mk = 0.0203	kv = 0.0235	1.0000	DISNEY AK
1051 F	187	159	F = 0.0000	mk = 0.0262	kv = 0.0341	1.0000	SD-WAP
1079 F	177	533	F = 0.0000	mk = 0.0320	kv = 0.0385	1.0000	DISNEY AK
1080 M	473	452	F = 0.0000	mk = 0.0233	kv = 0.0293	1.0000	KNOXVILLE
1081 M	473	453	F = 0.0000	mk = 0.0233	kv = 0.0279	1.0000	KNOXVILLE
1132 M	187	157	F = 0.0000	mk = 0.0305	kv = 0.0325	1.0000	SD-WAP
1148 F	146	397	F = 0.0000	mk = 0.0145	kv = 0.0178	1.0000	MEMPHIS
1150 M	180	182	F = 0.0000	mk = 0.0203	kv = 0.0235	1.0000	SAN ANTON
1151 F	187	159	F = 0.0000	mk = 0.0262	kv = 0.0333	1.0000	SD-WAP
1152 M	379	391	F = 0.0000	mk = 0.0233	kv = 0.0277	1.0000	YULEE

ORDERED LISTS OF MEAN KINSHIP BY SEX - SOUTHERN WHITE RHINO

Rank	MALES MK	Age	Known		FEMALES MK	Age	Known			
1	31	.0000	40	1.00	FOSSI	30	.0000	38	1.00	WINST
2	29	.0000	39	1.00	WINST	39	.0000	35	1.00	OMAHA
3	359	.0000	33	1.00	RIO G	147	.0000	35	1.00	FOSSI
4	82	.0000	31	1.00	LITTL	148	.0000	35	1.00	WILDS
5	191	.0000	30	1.00	HOUST	277	.0000	32	1.00	SD-WA
6	697	.0000	30	1.00	MADIS	358	.0000	32	1.00	RIO G
7	363	.0000	29	1.00	ROCKT	619	.0000	32	1.00	ROLLI
8	364	.0000	29	1.00	ROCKT	83	.0000	31	1.00	FOSSI
9	753	.0000	29	1.00	NORFO	192	.0000	30	1.00	HOUST
10	386	.0000	28	1.00	MONRO	188	.0000	30	1.00	SD-WA
11	413	.0000	28	1.00	ASHEB	190	.0000	30	1.00	BROWN
12	463	.0000	28	1.00	FORTW	380	.0000	30	1.00	BALTI
13	469	.0000	27	1.00	BIRMI	381	.0000	30	1.00	TOLED
14	687	.0000	26	1.00	NORFO	565	.0000	30	1.00	ASHEB
15	707	.0000	25	1.00	JACKS	696	.0000	30	1.00	MADIS
16	34	.0058	37	1.00	PHOEN	366	.0000	29	1.00	ROCKT
17	143	.0058	35	1.00	TORON	475	.0000	29	1.00	JACKS
18	146	.0058	35	1.00	MEMPH	750	.0000	29	1.00	WILDS
19	379	.0058	30	1.00	YULEE	464	.0000	28	1.00	FORTW
20	754	.0058	29	1.00	LOUIS	392	.0000	27	1.00	WACO
21	573	.0058	28	1.00	ASHEB	318	.0000	27	1.00	JACKS
22	50	.0116	33	1.00	FOSSI	416	.0000	27	1.00	WILDS
23	618	.0116	31	1.00	FOSSI	417	.0000	27	1.00	WILDS
24	465	.0116	25	1.00	KNOXV	418	.0000	27	1.00	WILDS
25	755	.0116	19	1.00	ROLLI	470	.0000	27	1.00	BIRMI
26	898	.0116	10	1.00	WACO	471	.0000	27	1.00	BIRMI
27	180	.0174	33	1.00	SAN A	387	.0000	26	1.00	MONRO
28	177	.0174	30	1.00	YULEE	466	.0000	26	1.00	WACO
29	390	.0174	29	1.00	JACKS	467	.0000	26	1.00	ROLLI
30	473	.0174	29	1.00	SD-WA	686	.0000	26	1.00	NORFO
31	202	.0174	25	1.00	MCCOM	153	.0058	35	1.00	PHOEN
32	861	.0174	12	1.00	OMAHA	181	.0058	33	1.00	SAN A
33	876	.0174	11	1.00	WILDS	574	.0058	28	1.00	ASHEB
34	1041	.0203	7	1.00	KNOXV	154	.0116	35	1.00	SD-WA
35	1042	.0203	3	1.00	BROWN	182	.0116	29	1.00	SAN A
36	1045	.0203	3	1.00	DISNE	397	.0116	26	1.00	MEMPH
37	1150	.0203	1	1.00	SAN A	575	.0116	20	1.00	KNOXV
38	187	.0232	30	1.00	WILDS	612	.0116	19	1.00	FOSSI
39	1040	.0232	4	1.00	BALTI	842	.0145	12	1.00	WILDS
40	1080	.0232	2	1.00	KNOXV	1148	.0145	1	1.00	MEMPH
41	1081	.0232	2	1.00	KNOXV	159	.0174	35	1.00	SD-WA
42	1152	.0232	1	1.00	YULEE	620	.0174	32	1.00	BROWN
43	980	.0261	6	1.00	ROLLI	452	.0174	30	1.00	KNOXV
→ 44	1034	.0290	7	1.00	AUDUB	453	.0174	30	1.00	KNOXV
45	841	.0297	12	1.00	HONOL	1027	.0174	5	1.00	FOSSI
46	1132	.0305	1	1.00	SD-WA	772	.0203	15	1.00	LOUIS
47	950	.0385	8	1.00	TORON	791	.0203	14	1.00	LOUIS
48	203	.0406	25	1.00	TUCSO	1038	.0203	8	1.00	AUDUB
49	213	.0406	25	1.00	RACIN	1039	.0203	7	1.00	WINST
50	220	.0436	24	1.00	TOLED	157	.0261	35	1.00	SD-WA
51	335	.0436	21	1.00	HOGLE	1051	.0261	3	1.00	SD-WA
52	748	.0654	15	0.50	GRANB	1151	.0261	1	1.00	SD-WA
53	718		17	0.00	TULSA	→ 391	.0290	30	1.00	YULEE
54						1036	.0290	3	1.00	JACKS
55						1020	.0319	4	1.00	YULEE
56						1079	.0319	2	1.00	DISNE
57						533	.0348	19	1.00	YULEE
58						238	.0436	25	1.00	TUCSO
59						819	.0436	13	1.00	SD-WA
60						822	.0436	13	1.00	SD-WA
61						542	.0508	19	1.00	HOGLE
62						218	.0595	25	1.00	TORON
63						582	.0654	18	0.50	TORON
64						693		18	0.00	TULSA

→ Indicates first individual with mean kinship above population average of 0.0282.

## GENETIC SUMMARY OF POPULATION - SOUTHERN WHITE RHINO

Descendant population Mean Kinship:	0.0282
Gene Diversity:	0.9718
Founder Genome Equivalents:	17.7575
Desc. population mean Kinship Value:	0.0270
Gene Value:	0.9730

ORDERED LISTS OF KINSHIP VALUE BY SEX - SOUTHERN WHITE RHINO

Rank	MALES KV	Age	Known	FEMALES KV	Age	Known
1	31	.0000	40	1.00	FOSSI	30 .0000 38 1.00 WINST
2	29	.0000	39	1.00	WINST	39 .0000 35 1.00 OMAHA
3	359	.0000	33	1.00	RIO G	147 .0000 35 1.00 FOSSI
4	82	.0000	31	1.00	LITTL	148 .0000 35 1.00 WILDS
5	191	.0000	30	1.00	HOUST	277 .0000 32 1.00 SD-WA
6	697	.0000	30	1.00	MADIS	358 .0000 32 1.00 RIO G
7	363	.0000	29	1.00	ROCKT	619 .0000 32 1.00 ROLLI
8	364	.0000	29	1.00	ROCKT	83 .0000 31 1.00 FOSSI
9	753	.0000	29	1.00	NORFO	192 .0000 30 1.00 HOUST
10	386	.0000	28	1.00	MONRO	188 .0000 30 1.00 SD-WA
11	413	.0000	28	1.00	ASHEB	190 .0000 30 1.00 BROWN
12	463	.0000	28	1.00	FORTW	380 .0000 30 1.00 BALTI
13	469	.0000	27	1.00	BIRMI	381 .0000 30 1.00 TOLED
14	687	.0000	26	1.00	NORFO	565 .0000 30 1.00 ASHEB
15	707	.0000	25	1.00	JACKS	696 .0000 30 1.00 MADIS
16	573	.0031	28	1.00	ASHEB	366 .0000 29 1.00 ROCKT
17	754	.0047	29	1.00	LOUIS	475 .0000 29 1.00 JACKS
18	34	.0060	37	1.00	PHOEN	750 .0000 29 1.00 WILDS
19	143	.0063	35	1.00	TORON	464 .0000 28 1.00 FORTW
20	379	.0073	30	1.00	YULEE	392 .0000 27 1.00 WACO
21	146	.0073	35	1.00	MEMPH	318 .0000 27 1.00 JACKS
22	755	.0095	19	1.00	ROLLI	416 .0000 27 1.00 WILDS
23	618	.0096	31	1.00	FOSSI	417 .0000 27 1.00 WILDS
24	898	.0120	10	1.00	WACO	418 .0000 27 1.00 WILDS
25	202	.0137	25	1.00	MCCOM	470 .0000 27 1.00 BIRMI
26	50	.0139	33	1.00	FOSSI	471 .0000 27 1.00 BIRMI
27	465	.0146	25	1.00	KNOXV	387 .0000 26 1.00 MONRO
28	861	.0171	12	1.00	OMAHA	466 .0000 26 1.00 WACO
29	180	.0178	33	1.00	SAN A	467 .0000 26 1.00 ROLLI
30	390	.0178	29	1.00	JACKS	686 .0000 26 1.00 NORFO
31	876	.0198	11	1.00	WILDS	574 .0031 28 1.00 ASHEB
32	473	.0218	29	1.00	SD-WA	181 .0032 33 1.00 SAN A
33	1041	.0228	7	1.00	KNOXV	153 .0060 35 1.00 PHOEN
34	1045	.0234	3	1.00	DISNE	575 .0062 20 1.00 KNOXV
35	1150	.0235	1	1.00	SAN A	612 .0066 19 1.00 FOSSI
36	1042	.0236	3	1.00	BROWN	154 .0081 35 1.00 SD-WA
37	177	.0243	30	1.00	YULEE	397 .0134 26 1.00 MEMPH
38	841	.0248	12	1.00	HONOL	182 .0145 29 1.00 SAN A
39	203	.0272	25	1.00	TUCSO	842 .0158 12 1.00 WILDS
40	213	.0272	25	1.00	RACIN	1148 .0178 1 1.00 MEMPH
41	1152	.0277	1	1.00	YULEE	620 .0188 32 1.00 BROWN
42	1081	.0278	2	1.00	KNOXV	772 .0189 15 1.00 LOUIS
43	1040	.0289	4	1.00	BALTI	453 .0191 30 1.00 KNOXV
44	1080	.0292	2	1.00	KNOXV	791 .0193 14 1.00 LOUIS
45	187	.0295	30	1.00	WILDS	157 .0208 35 1.00 SD-WA
46	220	.0301	24	1.00	TOLED	452 .0219 30 1.00 KNOXV
47	335	.0309	21	1.00	HOGLE	1027 .0219 5 1.00 FOSSI
48	950	.0309	8	1.00	TORON	159 .0222 35 1.00 SD-WA
49	1034	.0321	7	1.00	AUDUB	1038 .0241 8 1.00 AUDUB
50	1132	.0325	1	1.00	SD-WA	1039 .0257 7 1.00 WINST
51	980	.0325	6	1.00	ROLLI	238 .0290 25 1.00 TUCSO
52	748	.0482	15	0.50	GRANB	822 .0321 13 1.00 SD-WA
53	718		17	0.00	TULSA	1151 .0333 1 1.00 SD-WA
54						391 .0334 30 1.00 YULEE
55						819 .0336 13 1.00 SD-WA
56						1051 .0341 3 1.00 SD-WA
57						542 .0361 19 1.00 HOGLE
58						533 .0370 19 1.00 YULEE
59						1036 .0370 3 1.00 JACKS
60						1079 .0385 2 1.00 DISNE
61						1020 .0389 4 1.00 YULEE
62						218 .0429 25 1.00 TORON
63						582 .0465 18 0.50 TORON
64						693 18 0.00 TULSA

**NORTHERN WHITE RHINO**

*Ceratotherium simum cottoni*

NORTHERN WHITE RHINO Studbook  
 (Ceratotherium simum cottoni)

Restricted to:

Locations: N.AMERICA/

Dates: During 11/12/1997 <= date

Status: Living during 11 Dec 1997 -> 14 Dec 1997

Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
San Diego Wild Animal Park, Escondido, CA, USA										
348	M	~ 1972	WILD	WILD	SUDAN	~ 1973	UNK	Wild Born	SUDAN	ANGALIFU
					KHARTOUM	1 Apr 1973	UNK		SUDAN	
					SD-WAP	12 Aug 1990	UNK		U.S.A.	
373	M	~ 1972	WILD	WILD	SUDAN	~ 1975	UNK	Wild Born	SUDAN	SAUT
					DVURKRALV	19 Sep 1975	UNK		CZECH REP	
					SD-WAP	14 Oct 1989	UNK		U.S.A.	
374	F	~ 1974	WILD	WILD	SUDAN	~ 1975	UNK	Wild Born	SUDAN	NOLA
					DVURKRALV	19 Sep 1975	UNK		CZECH REP	
					SD-WAP	14 Oct 1989	UNK		U.S.A.	
376	F	~ 1972	WILD	WILD	SUDAN	~ 1975	UNK	Wild Born	SUDAN	NADI
					DVURKRALV	19 Sep 1975	UNK		CZECH REP	
					SD-WAP	14 Oct 1989	UNK		U.S.A.	

Totals: 2.2.0 (4)

TOTALS: 2.2.0 (4)

1 Institutions

NORTHERN WHITE RHINO Studbook  
(Ceratotherium simum cottoni)

Restricted to:  
Locations: N.AMERICA/  
Dates: During 01/01/1995 <= date  
Event: Births

Report ordered by: current (last) location...

=====  
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country | Death-Date | Name  
=====

TOTALS: 0.0.0 (0)

NORTHERN WHITE RHINO Studbook  
(Ceratotherium simum cottoni)

Restricted to:

Locations: N.AMERICA/

Dates: During 01/01/1995 <= date

Event: Deaths

Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

=====

TOTALS: 0.0.0 (0)



NORTHERN WHITE RHINO Studbook  
(Ceratotherium simum cottoni)

Restricted to:

Locations: N.AMERICA/

Dates: During 01/01/1995 <= date

Event: Transfers

Report ordered by: current (last) location...

=====  
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country | Death-Date | Name  
=====

TOTALS: 0.0.0 (0)

Age Pyramid Report

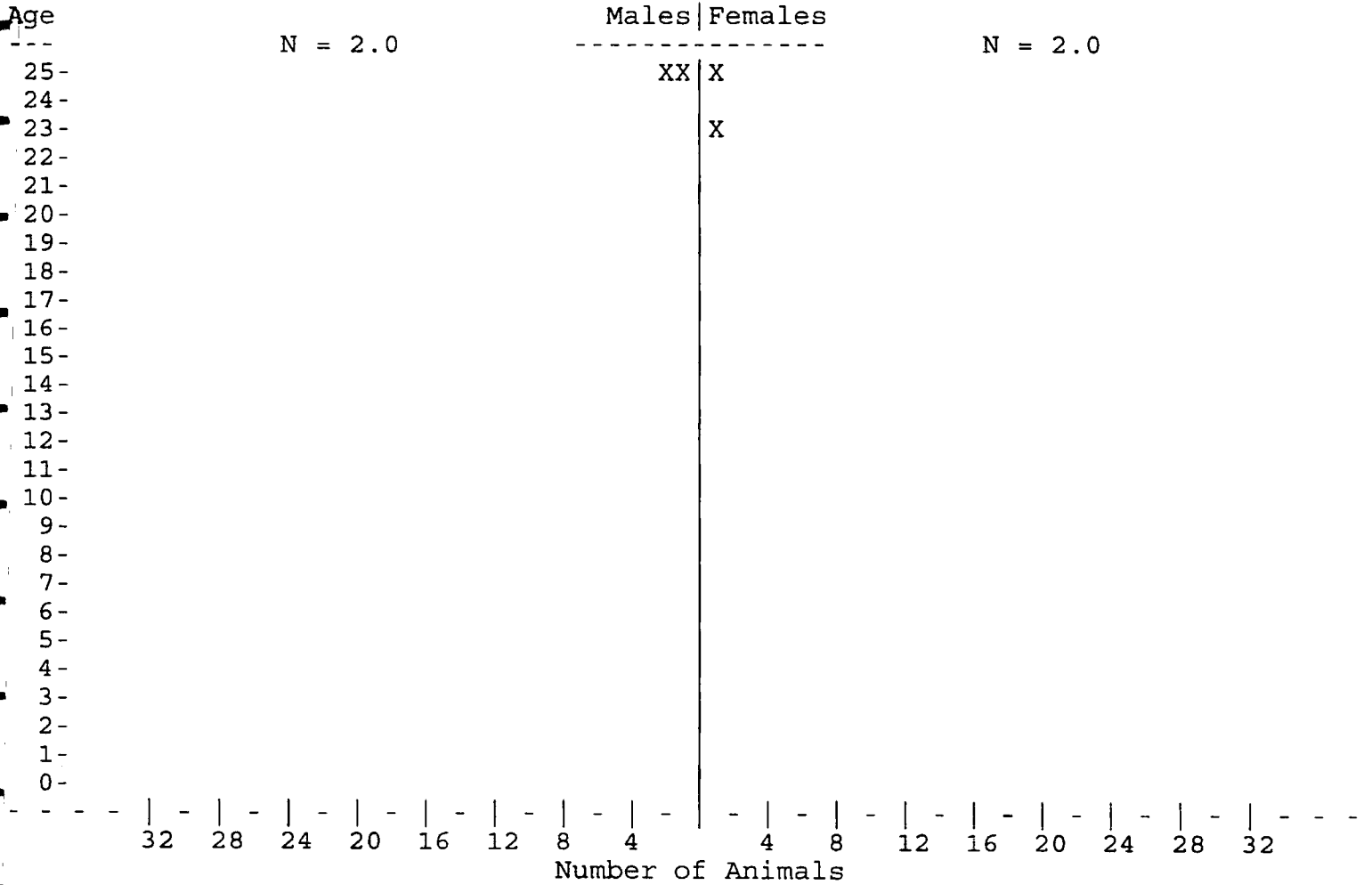
Restricted to: NORTHERN WHITE RHINO Studbook

Locations: N.AMERICA/

Dates: As of End of 11/12/1997 <= date

Status: Living by

Taxon Name: CERATOTHERIUM SIMUM COTTONI



X >>> Specimens of known sex...  
 ? >>> Specimens of unknown sex...

Age Pyramid Report

Restricted to: NORTHERN WHITE RHINO Studbook  
Locations: N.AMERICA/  
Dates: As of End of 11/12/1997 <= date  
Status: Living by

=====  
Taxon Name: CERATOTHERIUM SIMUM COTTONI  
=====

Age Studbook Numbers >>> Male  
-----

25	348	373
24		
23		
22		
21		
20		
19		
18		
17		
16		
15		
14		
13		
12		
11		
10		
9		
8		
7		
6		
5		
4		
3		
2		
1		
0		

-----  
Total= 2

Age Pyramid Report

Restricted to: NORTHERN WHITE RHINO Studbook

Locations: N.AMERICA/

Dates: As of End of 11/12/1997 <= date

Status: Living by

=====  
Taxon Name: CERATOTHERIUM SIMUM COTTONI  
=====

Age Studbook Numbers >>> Female

25 376

24

23 374

22

21

20

19

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

0

-----  
Total= 2

**INDIAN/NEPALESE RHINO**

*Rhinoceros unicornis*

INDIAN RHINOCEROS Studbook  
(Rhinoceros unicornis)

Restricted to:

Locations: N.AMERICA/

Dates: During 27/12/1997 <= date

Status: Living during 27 Dec 1997 -> 29 Dec 1997

Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
Metropolitan Toronto Zoo, Scarborough, Ontario, CANADA										
69	M	30 Jan 1974	19	28	NZP-WASH	30 Jan 1974	UNK	Captive Born	U.S.A.	PATRICK
					NY BRONX	29 Oct 1975	UNK		U.S.A.	
					TORONTO	16 Jun 1989	UNK		CANADA	
79	F	19 Jul 1975	1	11	MYSORE	19 Jul 1975	UNK	Captive Born	INDIA	INDIRA
					TORONTO	27 Apr 1979	UNK		CANADA	
222	M	11 Sep 1994	69	79	TORONTO	11 Sep 1994	30105	Captive Born	CANADA	SANJAY
Totals: 2.1.0 (3)										

Los Angeles Zoo, Los Angeles, CA, USA

35	M	- 1966	WILD	WILD	ASSAM P	8 Mar 1966	UNK	Wild Born	INDIA	HERMAN
					LOSANGELE	8 Mar 1966	UNK		U.S.A.	
45	F	5 Oct 1969	18	17	BASEL	5 Oct 1969	UNK	Captive Born	SWITZRLND	RANDA
					HOUSTON	6 Oct 1970	UNK		U.S.A.	
					BROWNSVIL	6 Apr 1972	UNK		U.S.A.	
					LOSANGELE	22 Nov 1974	UNK		U.S.A.	

Totals: 1.1.0 (2)

San Diego Wild Animal Park, Escondido, CA, USA

89	F	13 Aug 1979	32	31	BERLINZOO	13 Aug 1979	UNK	Captive Born	GERMANY	TERAI
					OKLAHOMA	10 Jul 1981	UNK		U.S.A.	
					LOSANGELE	13 Nov 1990	UNK		U.S.A.	
					SD-WAP	18 Feb 1997	697059		U.S.A.	
99	F	19 Mar 1978	26	29	SD-WAP	19 Mar 1978	102575	Captive Born	U.S.A.	GAINDA
106	M	15 May 1981	76	77	HYDERABAD	15 May 1981	UNK	Captive Born	INDIA	RABHA
					SD-WAP	10 Aug 1983	UNK		U.S.A.	
					SANDIEGOZ	30 Nov 1983	UNK		U.S.A.	
					SD-WAP	29 May 1985	783639		U.S.A.	
130	F	18 Jan 1986	26	29	SD-WAP	18 Jan 1986	005257	Captive Born	U.S.A.	JUMIA

INDIAN RHINOCEROS Studbook  
(Rhinoceros unicornis)

Restricted to:  
Locations: N.AMERICA/  
Dates: During 27/12/1997 <= date  
Status: Living during 27 Dec 1997 -> 29 Dec 1997  
Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
137	F	~ Oct 1986	WILD	WILD	NEPAL	- Oct 1986	UNK	Wild Born	NEPAL	SHANTI
					SAN FRAN	26 May 1987	UNK		U.S.A.	
					SD-WAP	27 Nov 1996	696602		U.S.A.	
143	F	28 May 1987	26	99	SD-WAP	28 May 1987	687346	Captive Born	U.S.A.	GOALAPARA
209	F	7 Sep 1993	26	143	SD-WAP	7 Sep 1993	693536	Captive Born	U.S.A.	GODAVARI
236	M	4 Jan 1996	26	130	SD-WAP	4 Jan 1996	696004	Captive Born	U.S.A.	JASAI
T9021	F	24 Aug 1997	106	130	SD-WAP	24 Aug 1997	697474	Captive Born	U.S.A.	JAKICHU
T9024	M	23 Nov 1997	106	209	SD-WAP	23 Nov 1997	697600	Captive Born	U.S.A.	GIIRJA
Totals: 3.7.0 (10)										

San Francisco Zoological Gardens, San Francisco, CA, USA

227	M	26 May 1995	106	99	SD-WAP	26 May 1995	695264	Captive Born	U.S.A.	GAUHATI
					SAN FRAN	13 Feb 1997	UNK		U.S.A.	
Totals: 1.0.0 (1)										

National Zoological Park - Wash, Washington, DC, USA

138	F	~ Mar 1986	WILD	WILD	NEPAL	- Mar 1986	UNK	Wild Born	NEPAL	MECHI
					NZP-WASH	27 May 1987	UNK		U.S.A.	
					PHILADELP	10 May 1994	UNK		U.S.A.	
					NZP-WASH	20 Oct 1994	UNK		U.S.A.	
139	F	- Nov 1986	WILD	WILD	NEPAL	- Nov 1986	UNK	Wild Born	NEPAL	KALI
					NZP-WASH	27 May 1987	UNK		U.S.A.	
238	F	18 Sep 1996	101	138	NZP-WASH	18 Sep 1996	112925	Captive Born	U.S.A.	CHITWAN
239	M	31 Oct 1996	101	139	NZP-WASH	31 Oct 1996	112946	Captive Born	U.S.A.	HIMAL
Totals: 1.3.0 (4)										

Lowry Park Zoological Garden, Tampa, FL, USA

116	M	1 May 1983	26	29	SD-WAP	1 May 1983	UNK	Captive Born	U.S.A.	JORHAT
					SANDIEGOZ	21 Jun 1986	UNK		U.S.A.	
					LOWRY	17 Sep 1988	UNK		U.S.A.	
Totals: 1.0.0 (1)										

INDIAN RHINOCEROS Studbook  
(Rhinoceros unicornis)

Restricted to:

Locations: N.AMERICA/

Dates: During 27/12/1997 <= date

Status: Living during 27 Dec 1997 -> 29 Dec 1997

Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------

=====

Miami Metrozoo, Miami, FL, USA

49	M	1 Jun 1969	WILD	WILD	NEPAL	23 Apr 1970	UNK	Wild Born	NEPAL	MOHAN
					METROZOO	23 Apr 1970	UNK		U.S.A.	
50	F	- Nov 1969	WILD	WILD	NEPAL	12 Jun 1970	UNK	Wild Born	NEPAL	SHANTI
					METROZOO	12 Jun 1970	UNK		U.S.A.	
					PHILADELP	10 Apr 1987	UNK		U.S.A.	
					NY BRONX	22 Nov 1988	UNK		U.S.A.	
					METROZOO	29 Mar 1990	UNK		U.S.A.	
					NY BRONX	31 May 1996	UNK		U.S.A.	
METROZOO	10 Oct 1996	UNK	U.S.A.							
126	M	3 Nov 1985	10	80	PHILADELP	3 Nov 1985	UNK	Captive Born	U.S.A.	AKBAR
					METROZOO	6 Apr 1987	UNK		U.S.A.	

Totals: 2.1.0 (3)

The Zoo, Gulf Breeze, FL, USA

29	F	10 Jul 1963	24	82	ASSAM	10 Jul 1963	UNK	Captive Born	INDIA	JAYPURI
					SD-WAP	26 Apr 1972	UNK		U.S.A.	
					GULF BREZ	10 Nov 1995	UNK		U.S.A.	
224	M	26 Nov 1994	26	29	SD-WAP	26 Nov 1994	UNK	Captive Born	U.S.A.	JAFAR
					GULF BREZ	7 Nov 1995	UNK		U.S.A.	

Totals: 1.1.0 (2)

Rolling Hills Ranch, Salina, KS, USA

146	M	22 May 1988	26	29	SD-WAP	22 May 1988	UNK	Captive Born	U.S.A.	JOYA
					SANDIEGOZ	13 Sep 1990	UNK		U.S.A.	
					(ROLLING H)	6 Apr 1995	UNK		U.S.A.	

Totals: 1.0.0 (1)

Greater Baton Rouge Zoo, Baker, LA, USA

180	M	27 Jan 1990	26	29	SD-WAP	27 Jan 1990	UNK	Captive Born	U.S.A.	JAUNPUR
					ROLLING H	6 Apr 1995	UNK		U.S.A.	
					BATONROUG	12 Nov 1996	UNK		U.S.A.	

Totals: 1.0.0 (1)



INDIAN RHINOCEROS Studbook  
(Rhinoceros unicornis)

Restricted to:  
Locations: N.AMERICA/  
Dates: During 27/12/1997 <= date  
Status: Living during 27 Dec 1997 -> 29 Dec 1997  
Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
International Wildlife Conservation Pk, Bronx, NY, USA										
53	M	16 Apr 1971	1	11	MYSORE	16 Apr 1971	UNK	Captive Born	INDIA	VINU
					GELSNKRKN	28 Aug 1975	UNK		GERMANY	
					TORONTO	12 Jun 1976	UNK		CANADA	
					NY BRONX	30 May 1990	UNK		U.S.A.	
66	F	- Jan 1974	WILD	WILD	ASSAM P	- Sep 1974	UNK	Wild Born	INDIA	MAYANG KUM
					ASSAM	- Oct 1974	UNK		INDIA	
					NY BRONX	30 Jan 1975	UNK		U.S.A.	
83	M	18 Feb 1976	18	31	BERLINZOO	18 Feb 1976	UNK	Captive Born	GERMANY	HEINER
					OKLAHOMA	10 Jul 1981	UNK		U.S.A.	
					(NY BRONX )	23 Dec 1983	UNK		U.S.A.	
131	F	9 Apr 1986	83	66	NY BRONX	9 Apr 1986	UNK	Captive Born	U.S.A.	ELLA
230	F	28 Dec 1995	53	131	NY BRONX	28 Dec 1995	951230	Captive Born	U.S.A.	DAILY

Totals: 2.3.0 (5)

Buffalo Zoological Gardens, Buffalo, NY, USA

187	M	24 Jul 1991	10	80	PHILADELP	24 Jul 1991	UNK	Captive Born	U.S.A.	DHALAGURI
					BUFFALO	21 Jul 1992	UNK		U.S.A.	

Totals: 1.0.0 (1)

Cincinnati Zoo & Botanical Garden, Cincinnati, OH, USA

147	M	14 Aug 1988	10	80	PHILADELP	14 Aug 1988	UNK	Captive Born	U.S.A.	JIMMY
					CINCINNAT	24 Oct 1989	UNK		U.S.A.	
189	F	25 Dec 1991	69	79	TORONTO	25 Dec 1991	UNK	Captive Born	CANADA	NIKKI
					CINCINNAT	22 Aug 1994	UNK		U.S.A.	

Totals: 1.1.0 (2)

The Wilds / Irf, Cumberland, OH, USA

87	M	26 Jan 1978	18	56	BASEL	26 Jan 1978	UNK	Captive Born	SWITZRLND	ASSAM
					PHILADELP	6 Nov 1979	UNK		U.S.A.	
					NY BRONX	14 Oct 1982	UNK		U.S.A.	
					MILWAUKEE	31 Oct 1991	UNK		U.S.A.	
					WILDS	22 May 1996	960503		U.S.A.	

Totals: 1.0.0 (1)

INDIAN RHINOCEROS Studbook

Restricted to:  
 Locations: N.AMERICA/  
 Dates: During 27/12/1997 <= date  
 Status: Living during 27 Dec 1997 -> 29 Dec 1997  
 Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Name
Oklahoma City Zoological Park, Oklahoma City, OK, USA										
125	M	11 Aug 1985	35	46	LOSANGELE	11 Aug 1985	UNK	Captive Born	U.S.A.	CHANDRA
					OKLAHOMA	14 Nov 1990	UNK		U.S.A.	
161	F	5 Sep 1989	83	66	(NY BRONX )	5 Sep 1989	UNK	Captive Born	U.S.A.	MARY
					OKLAHOMA	5 Sep 1989	UNK		U.S.A.	
						8 Nov 1993	UNK			
241	F	6 Dec 1996	125	161	OKLAHOMA	6 Dec 1996	701406	Captive Born	U.S.A.	TASHI
Totals: 1.2.0 (3)										
Philadelphia Zoological Gardens, Philadelphia, PA, USA										
80	F	10 Oct 1975	18	7	BASEL	10 Oct 1975	UNK	Captive Born	SWITZRLND	XAVIRA
					PHILADELP	6 Nov 1979	UNK		U.S.A.	
101	M	8 Aug 1980	26	29	SD-WAP	8 Aug 1980	UNK	Captive Born	U.S.A.	PANDU
					NZP-WASH	25 Jun 1985	106574		U.S.A.	
					(PHILADELP)	9 Jul 1996	103314		U.S.A.	
223	F	5 Oct 1994	10	80	PHILADELP	5 Oct 1994	103011	Captive Born	U.S.A.	PENNY
Totals: 1.2.0 (3)										
Fort Worth Zoological Park, Ft Worth, TX, USA										
190	M	6 Jun 1989	WILD	WILD	NEPAL	10 May 1990	UNK	Wild Born	NEPAL	ARUN
					FORTWORTH	10 May 1990	UNK		U.S.A.	
191	F	6 Jun 1989	WILD	WILD	NEPAL	10 May 1990	UNK	Wild Born	NEPAL	ARATI
					FORTWORTH	10 May 1990	UNK		U.S.A.	
Totals: 1.1.0 (2)										
TOTALS: 22.23.0 (45)										
17 Institutions										

INDIAN RHINOCEROS Studbook  
(Rhinoceros unicornis)

Restricted to:  
Locations: N.AMERICA/  
Dates: During 01/11/1995 <= date  
Event: Births  
Report ordered by: current (last) location...

```

=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country | Death-Date | Name
=====
San Diego Wild Animal Park, Escondido, CA, USA

236 M 4 Jan 1996 26 130 SD-WAP 4 Jan 1996 696004 Captive Born U.S.A. JASAI
T9021 F 24 Aug 1997 106 130 SD-WAP 24 Aug 1997 697474 Captive Born U.S.A. JAKICHU
T9022 F 9 Nov 1997 106 143 SD-WAP 9 Nov 1997 697581 Captive Born U.S.A. GONDIA
25 Nov 1997 (died) 25 Nov 1997
[Death by: Infection Associated Unknown Generalized Unknown (after autopsy)]
T9023 M 20 Nov 1997 106 99 SD-WAP 20 Nov 1997 697598 Captive Born U.S.A.
20 Nov 1997 (died) 20 Nov 1997
[Death by: Stillbirth Unknown Unknown (after Autopsy)]
T9024 M 23 Nov 1997 106 209 SD-WAP 23 Nov 1997 697600 Captive Born U.S.A. GIIRJA
Totals: 3.2.0 (5)

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National Zoological Park - Wash, Washington, DC, USA

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238 F 18 Sep 1996 101 138 NZP-WASH 18 Sep 1996 112925 Captive Born U.S.A. CHITWAN
239 M 31 Oct 1996 101 139 NZP-WASH 31 Oct 1996 112946 Captive Born U.S.A. HIMAL
Totals: 1.1.0 (2)

```

International Wildlife Conservation Pk, Bronx, NY, USA

```

-----
230 F 28 Dec 1995 53 131 NY BRONX 28 Dec 1995 951230 Captive Born U.S.A. DAILY
Totals: 0.1.0 (1)

```

Oklahoma City Zoological Park, Oklahoma City, OK, USA

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-----
241 F 6 Dec 1996 125 161 OKLAHOMA 6 Dec 1996 701406 Captive Born U.S.A. TASHI
Totals: 0.1.0 (1)

```

TOTALS: 4.5.0 (9)

4 Institutions

INDIAN RHINOCEROS Studbook  
(Rhinoceros unicornis)

Restricted to:  
Locations: N.AMERICA/  
Dates: During 01/11/1995 <= date  
Event: Deaths  
Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

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San Diego Wild Animal Park, Escondido, CA, USA

T9022	F	9 Nov 1997	106	143	SD-WAP	9 Nov 1997	697581	Captive Born	U.S.A.		GONDIA
						25 Nov 1997 (died)				25 Nov 1997	
						[Death by: Infection Associated Unknown Generalized Unknown (after autopsy)]					

T9023	M	20 Nov 1997	106	99	SD-WAP	20 Nov 1997	697598	Captive Born	U.S.A.		
						20 Nov 1997 (died)				20 Nov 1997	
						[Death by: Stillbirth Unknown Unknown (after Autopsy)]					

Totals: 1.1.0 (2)

San Francisco Zoological Gardens, San Francisco, CA, USA

136	M	- Apr 1986	WILD	WILD	NEPAL	- Apr 1986	UNK	Wild Born	NEPAL		CHHENDRA
					SAN FRAN	26 May 1987	UNK		U.S.A.		
						5 Sep 1996 (died)				5 Sep 1996	
						[Death by: Euthanasia Unknown No Autopsy Planned]					

Totals: 1.0.0 (1)

International Wildlife Conservation Pk, Bronx, NY, USA

67	F	- Jan 1974	WILD	WILD	ASSAM P	- Sep 1974	UNK	Wild Born	INDIA		RADHHA
					ASSAM	- Oct 1974	UNK		INDIA		
					NY BRONX	30 Jan 1975	UNK		U.S.A.		
						12 Jul 1996 (died)				12 Jul 1996	
						[Death by: Unknown means]					

Totals: 0.1.0 (1)

Philadelphia Zoological Gardens, Philadelphia, PA, USA

10	M	1 Jan 1955	WILD	WILD	ASSAM P	14 Sep 1955	UNK	Wild Born	INDIA		KANAKBALA
					PHILADELPH	14 Sep 1955	UNK		U.S.A.		
						6 Jan 1996 (died)				6 Jan 1996	
						[Death by: Infection Associated Unknown Digestive New Growths]					

Totals: 1.0.0 (1)

TOTALS: 3.2.0 (5)

4 Institutions

INDIAN RHINOCEROS Studbook

Restricted to: (Rhinoceros unicornis)  
 Dates: During 01/11/1995 <= date  
 Event: Transfers  
 Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

=====

Jardim Zoologico De Lisboa, 1500 Lisboa, , PORTUGAL

184	M	28 Dec 1990	106	99	SD-WAP	28 Dec 1990	UNK	Captive Born	U.S.A.		GUJRAT
					LISBON	20 Nov 1996	UNK		PORTUGAL		
188	M	22 Dec 1991	106	143	SD-WAP	22 Dec 1991	UNK	Captive Born	U.S.A.		GANGTOK
					LISBON	20 Oct 1996	UNK		PORTUGAL		

Totals: 2.0.0 (2)

Zoologischer Garten Basel, 4054 Basel, , SWITZERLAND

220	M	17 Mar 1994	106	130	SD-WAP	17 Mar 1994	UNK	Captive Born	U.S.A.		JAFFNA
					BASEL	27 Mar 1996	UNK		SWITZRLND		

Totals: 1.0.0 (1)

San Diego Wild Animal Park, Escondido, CA, USA

89	F	13 Aug 1979	32	31	BERLINZOO	13 Aug 1979	UNK	Captive Born	GERMANY		TERAI
					OKLAHOMA	10 Jul 1981	UNK		U.S.A.		
					LOSANGELE	13 Nov 1990	UNK		U.S.A.		
					SD-WAP	18 Feb 1997	697059		U.S.A.		
137	F	- Oct 1986	WILD	WILD	NEPAL	- Oct 1986	UNK	Wild Born	NEPAL		SHANTI
					SAN FRAN	26 May 1987	UNK		U.S.A.		
					SD-WAP	27 Nov 1996	696602		U.S.A.		

Totals: 0.2.0 (2)

San Francisco Zoological Gardens, San Francisco, CA, USA

227	M	26 May 1995	106	99	SD-WAP	26 May 1995	695264	Captive Born	U.S.A.		GAUHATI
					SAN FRAN	13 Feb 1997	UNK		U.S.A.		

Totals: 1.0.0 (1)

## INDIAN RHINOCEROS Studbook

Page 2

Restricted to: (Rhinoceros unicornis)

Dates: During 01/11/1995 &lt;= date

Event: Transfers

Report ordered by: current (last) location...

```
=====
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country | Death-Date | Name
=====
```

## Miami Metrozoo, Miami, FL, USA

```
50  F  ~ Nov 1969  WILD  WILD  NEPAL  12 Jun 1970  UNK  Wild Born  NEPAL  SHANTI
      METROZOO  12 Jun 1970  UNK  U.S.A.
      PHILADELP  10 Apr 1987  UNK  U.S.A.
      NY BRONX  22 Nov 1988  UNK  U.S.A.
      METROZOO  29 Mar 1990  UNK  U.S.A.
      NY BRONX  31 May 1996  UNK  U.S.A.
      METROZOO  10 Oct 1996  UNK  U.S.A.
```

Totals: 0.1.0 (1)

## The Zoo, Gulf Breeze, FL, USA

```
29  F  10 Jul 1963  24  82  ASSAM  10 Jul 1963  UNK  Captive Born  INDIA  JAYPURI
      SD-WAP  26 Apr 1972  UNK  U.S.A.
      GULF BREZ  10 Nov 1995  UNK  U.S.A.

224  M  26 Nov 1994  26  29  SD-WAP  26 Nov 1994  UNK  Captive Born  U.S.A.  JAFAR
      GULF BREZ  7 Nov 1995  UNK  U.S.A.
```

Totals: 1.1.0 (2)

## Greater Baton Rouge Zoo, Baker, LA, USA

```
180  M  27 Jan 1990  26  29  SD-WAP  27 Jan 1990  UNK  Captive Born  U.S.A.  JAUNPUR
      ROLLING H  6 Apr 1995  UNK  U.S.A.
      BATONROUG  12 Nov 1996  UNK  U.S.A.
```

Totals: 1.0.0 (1)

## The Wilds / Irf, Cumberland, OH, USA

```
87  M  26 Jan 1978  18  56  BASEL  26 Jan 1978  UNK  Captive Born  SWITZRLND  ASSAM
      PHILADELP  6 Nov 1979  UNK  U.S.A.
      NY BRONX  14 Oct 1982  UNK  U.S.A.
      MILWAUKEE  31 Oct 1991  UNK  U.S.A.
      WILDS  22 May 1996  960503  U.S.A.
```

Totals: 1.0.0 (1)

## Philadelphia Zoological Gardens, Philadelphia, PA, USA

```
101  M  8 Aug 1980  26  29  SD-WAP  8 Aug 1980  UNK  Captive Born  U.S.A.  PANDU
      NZP-WASH  25 Jun 1985  106574  U.S.A.
      (PHILADELP)  9 Jul 1996  103314  U.S.A.
```

Totals: 1.0.0 (1)

TOTALS: 8.4.0 (12)

9 Institutions

Compiled by: Dr. Tom Foose thru The Wilds

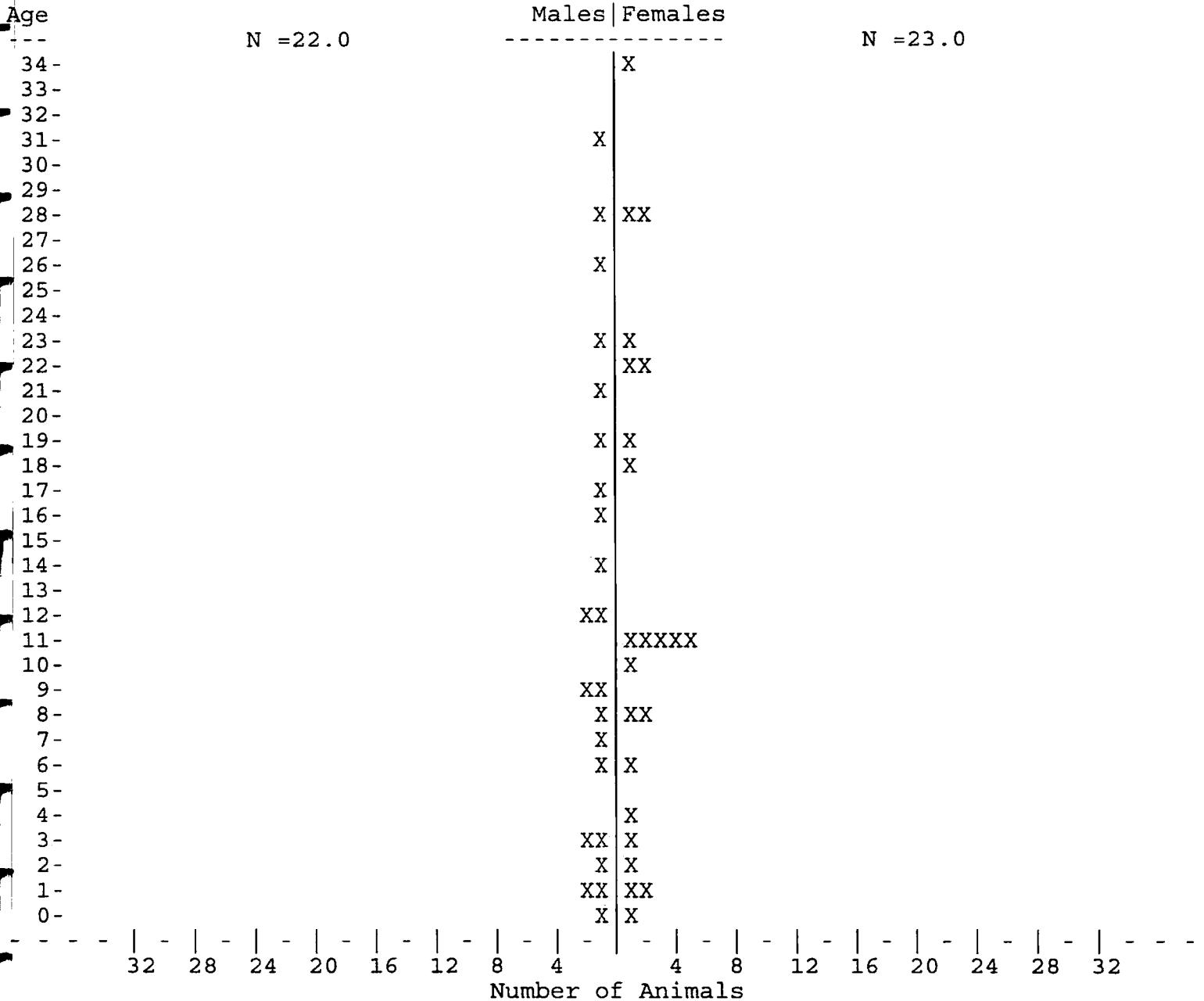
Data current thru: 15 Dec 1997 North American Regional Studbook

SPARKS v1.42  
29 Dec 1997

Age Pyramid Report  
INDIAN RHINOCEROS Studbook

Restricted to:  
Locations: N.AMERICA/  
Dates: As of End of 27/12/1997 <= date  
Status: Living by

=====  
Taxon Name: RHINOCEROS UNICORNIS  
=====



X >>> Specimens of known sex...  
? >>> Specimens of unknown sex...

Age Pyramid Report

INDIAN RHINOCEROS Studbook

Restricted to:  
Locations: N.AMERICA/  
Dates: As of End of 27/12/1997 <= date  
Status: Living by

=====  
Taxon Name: RHINOCEROS UNICORNIS  
=====

Age Studbook Numbers >>> Male  
-----

34		
33		
32		
31	35	
30		
29		
28	49	
27		
26	53	
25		
24		
23	69	
22		
21	83	
20		
19	87	
18		
17	101	
16	106	
15		
14	116	
13		
12	125	126
11		
10		
9	146	147
8	190	
7	180	
6	187	
5		
4		
3	222	224
2	227	
1	236	239
0	T9024	

-----  
Total= 22



Age Pyramid Report

INDIAN RHINOCEROS Studbook

Restricted to:

Locations: N.AMERICA/

Dates: As of End of 27/12/1997 <= date

Status: Living by

=====  
 Taxon Name: RHINOCEROS UNICORNIS  
 =====

Age Studbook Numbers >>> Female

34	29				
33					
32					
31					
30					
29					
28	45	50			
27					
26					
25					
24					
23	66				
22	79	80			
21					
20					
19	99				
18	89				
17					
16					
15					
14					
13					
12					
11	130	131	137	138	139
10	143				
9					
8	161	191			
7					
6	189				
5					
4	209				
3	223				
2	230				
1	238	241			
0	T9021				

-----  
 Total= 23

Fecundity and Mortality Report  
 INDIAN RHINOCEROS Studbook

Restricted to:

Locations: N.AMERICA/

Dates: During 01/01/1988 <= date

=====  
 Taxon Name: RHINOCEROS UNICORNIS  
 =====

Age Class	Fecundity [Mx]...				Mortality [Qx]...			
	Male	N	Female	N	Male	N	Female	N
0- 1	0.00	12.2	0.00	8.9	0.37	19.2	0.31	12.8
1- 2	0.00	12.4	0.00	10.4	0.00	12.4	0.00	10.4
2- 3	0.00	12.6	0.00	12.0	0.00	12.6	0.00	12.0
3- 4	0.00	11.4	0.00	11.2	0.00	11.4	0.00	11.2
4- 5	0.00	10.5	0.16	9.5	0.00	10.5	0.00	9.5
5- 6	0.00	9.9	0.00	9.0	0.00	9.9	0.00	9.0
6- 7	0.00	8.8	0.25	8.0	0.00	8.8	0.00	8.0
7- 8	0.05	9.5	0.06	8.0	0.00	9.5	0.00	8.0
8- 9	0.00	8.6	0.13	7.5	0.00	8.6	0.00	7.5
9-10	0.14	7.1	0.21	7.2	0.00	7.1	0.00	7.2
10-11	0.16	6.4	0.13	7.6	0.14	7.0	0.00	7.6
11-12	0.24	6.1	0.20	4.9	0.00	6.1	0.00	4.9
12-13	0.18	5.5	0.30	3.3	0.00	5.5	0.00	3.3
13-14	0.10	5.1	0.00	4.2	0.00	5.1	0.00	4.2
14-15	0.18	5.7	0.08	6.0	0.00	5.7	0.00	6.0
15-16	0.10	5.0	0.17	6.0	0.00	5.0	0.00	6.0
16-17	0.61	4.9	0.08	6.0	0.00	4.9	0.00	6.0
17-18	0.11	4.4	0.08	6.0	0.00	4.4	0.00	6.0
18-19	0.11	4.4	0.07	7.1	0.00	4.4	0.00	7.1
19-20	0.00	4.9	0.13	7.6	0.00	4.9	0.13	7.8
20-21	0.13	4.0	0.08	6.0	0.00	4.0	0.00	6.0
21-22	0.00	4.0	0.08	6.0	0.00	4.0	0.00	6.0
22-23	0.00	4.0	0.00	4.1	0.00	4.0	0.21	4.7
23-24	0.00	3.9	0.00	2.9	0.00	3.9	0.00	2.9
24-25	0.17	3.0	0.20	2.5	0.00	3.0	0.00	2.5
25-26	0.14	3.7	0.00	3.0	0.00	3.7	0.00	3.0
26-27	0.00	3.7	0.17	3.0	0.00	3.7	0.00	3.0
27-28	0.17	3.0	0.00	3.0	0.00	3.0	0.00	3.0
28-29	0.00	2.6	0.00	1.4	0.00	2.6	0.00	1.4
29-30	0.17	3.0	0.50	1.0	0.00	3.0	0.00	1.0
30-31	0.00	2.7	0.00	1.0	0.33	3.0	0.00	1.0
31-32	0.26	1.9	0.50	1.0	0.00	1.9	0.00	1.0
32-33	0.50	1.0	0.00	1.0	0.00	1.0	0.00	1.0
33-34	0.97	1.0	0.00	1.0	0.50	2.0	0.00	1.0
34-35	0.00	1.0	0.00	0.5	0.00	1.0	0.00	0.5
35-36	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
36-37	0.50	1.0	0.00	0.0	0.00	1.0	0.00	0.0
37-38	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
38-39	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
39-40	0.50	1.0	0.00	0.0	0.00	1.0	0.00	0.0
40-41	0.00	1.0	0.00	0.0	0.00	1.0	0.00	0.0
41-42	0.00	0.0	0.00	0.0	1.00	1.0	0.00	0.0

Fecundity and Mortality Report

INDIAN RHINOCEROS Studbook

Restricted to:

Locations: N.AMERICA/

Dates: During 01/01/1988 <= date

=====  
 Taxon Name: RHINOCEROS UNICORNIS  
 =====

43-44            0.00    0.0            0.00    0.0            0.00    0.0            0.00    0.0

          T = 21.795        T = 16.738        30 day mortality: 33%  
           Ro = 2.146        Ro = 2.149        (11 deaths out of 33 arriving  
           lambda=1.04       lambda=1.05        within 30 days of birth date)  
           r = 0.035        r = 0.046

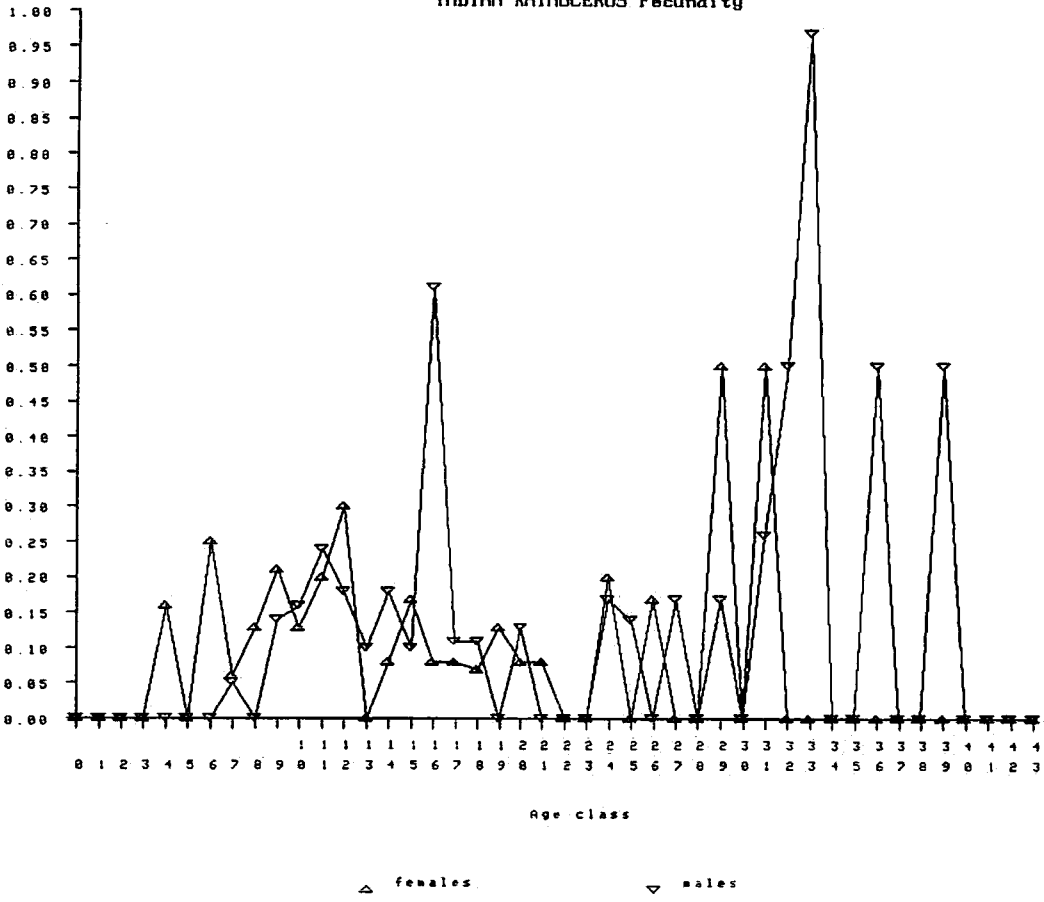
33 birth events to known age parents tabulated for Mx...  
 (Average of 33 births to female parents and 33 births to male parents.)

17 death events of known age tabulated for Qx...

WARNING: Values with small sample sizes (N) warrant less confidence...

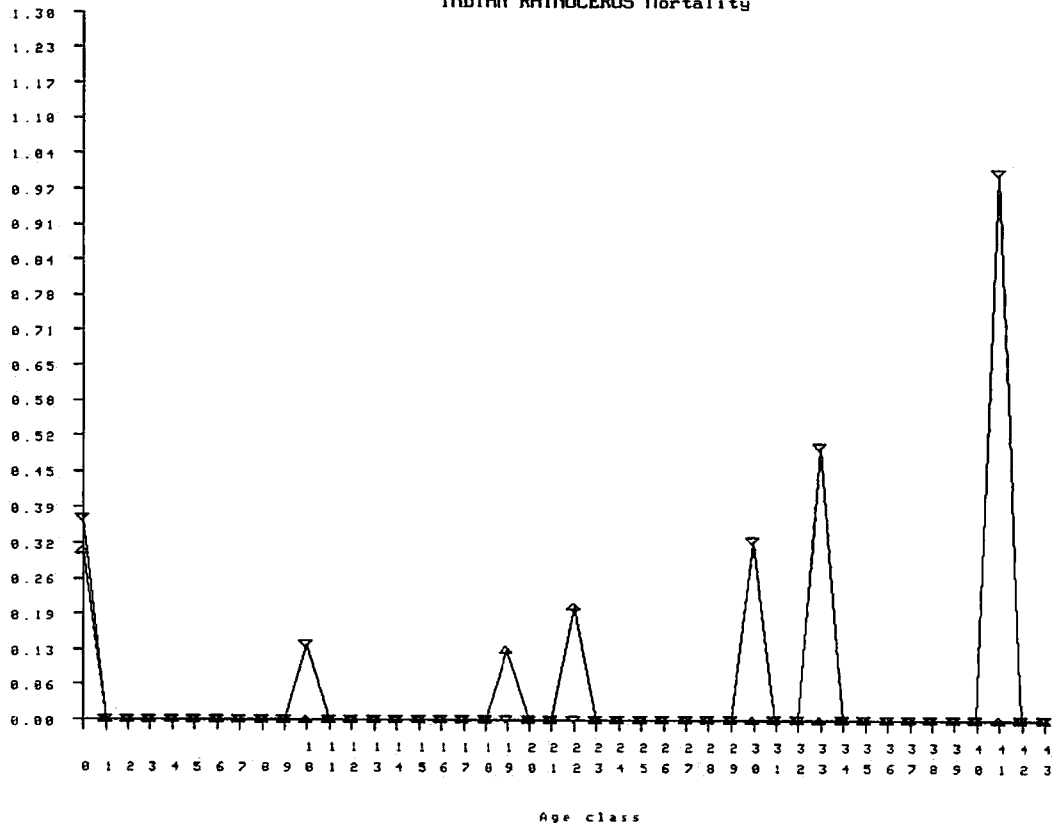
Fecundity

INDIAN RHINOCEROS Fecundity



Mortality

### INDIAN RHINOCEROS Mortality



△ females      ▽ males

Age Class	Fecundity [Mx]...				Mortality [Qx]...			
	Male	N	Female	N	Male	N	Female	N
0- 1	0.00	12.2	0.00	8.9	0.37	19.2	0.31	12.8
1- 2	0.00	12.4	0.00	10.4	0.00	12.4	0.00	10.4
2- 3	0.00	12.6	0.00	12.0	0.00	12.6	0.00	12.0
3- 4	0.00	11.4	0.05	11.2	0.00	11.4	0.00	11.2
4- 5	0.00	10.5	0.05	9.5	0.00	10.5	0.00	9.5
5- 6	0.00	9.9	0.14	9.0	0.00	9.9	0.00	9.0
6- 7	0.02	8.8	0.10	8.0	0.00	8.8	0.00	8.0
7- 8	0.02	9.5	0.15	8.0	0.00	9.5	0.00	8.0
8- 9	0.06	8.6	0.13	7.5	0.00	8.6	0.00	7.5
9-10	0.10	7.1	0.16	7.2	0.05	7.1	0.00	7.2
10-11	0.18	6.4	0.18	7.6	0.05	7.0	0.00	7.6
11-12	0.19	6.1	0.21	4.9	0.05	6.1	0.00	4.9
12-13	0.17	5.5	0.17	3.3	0.00	5.5	0.00	3.3
13-14	0.15	5.1	0.13	4.2	0.00	5.1	0.00	4.2
14-15	0.13	5.7	0.08	6.0	0.00	5.7	0.00	6.0
15-16	0.30	5.0	0.11	6.0	0.00	5.0	0.00	6.0
16-17	0.27	4.9	0.11	6.0	0.00	4.9	0.00	6.0
17-18	0.28	4.4	0.08	6.0	0.00	4.4	0.00	6.0
18-19	0.07	4.4	0.09	7.1	0.00	4.4	0.04	7.1
19-20	0.08	4.9	0.09	7.6	0.00	4.9	0.04	7.8
20-21	0.04	4.0	0.10	6.0	0.00	4.0	0.04	6.0
21-22	0.04	4.0	0.05	6.0	0.00	4.0	0.07	6.0
22-23	0.00	4.0	0.03	4.1	0.00	4.0	0.07	4.7
23-24	0.06	3.9	0.07	2.9	0.00	3.9	0.07	2.9
24-25	0.10	3.0	0.07	2.5	0.00	3.0	0.00	2.5
25-26	0.10	3.7	0.12	3.0	0.00	3.7	0.00	3.0
26-27	0.10	3.7	0.06	3.0	0.00	3.7	0.00	3.0
27-28	0.06	3.0	0.06	3.0	0.00	3.0	0.00	3.0
28-29	0.11	2.6	0.17	1.4	0.00	2.6	0.00	1.4
29-30	0.06	3.0	0.17	1.0	0.11	3.0	0.00	1.0
30-31	0.14	2.7	0.33	1.0	0.11	3.0	0.00	1.0
31-32	0.25	1.9	0.17	1.0	0.11	1.9	0.00	1.0
32-33	0.58	1.0	0.17	1.0	0.17	1.0	0.00	1.0
33-34	0.49	1.0	0.00	1.0	0.17	2.0	0.00	1.0
34-35	0.32	1.0	0.00	0.5	0.17	1.0	0.00	0.5
35-36	0.17	1.0	0.00	0.0	0.00	1.0	0.00	0.0
36-37	0.17	1.0	0.00	0.0	0.00	1.0	0.00	0.0
37-38	0.17	1.0	0.00	0.0	0.00	1.0	0.00	0.0
38-39	0.17	1.0	0.00	0.0	0.00	1.0	0.00	0.0
39-40	0.17	1.0	0.00	0.0	0.00	1.0	0.00	0.0
40-41	0.17	1.0	0.00	0.0	0.33	1.0	0.00	0.0
41-42	0.00	0.0	0.00	0.0	0.33	1.0	0.00	0.0
42-43	0.00	0.0	0.00	0.0	0.33	0.0	0.00	0.0
43-44	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0
44-45	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0

T = 22.245  
 Ro = 2.246  
 lambda=1.04  
 r = 0.036

T = 16.829  
 Ro = 2.165  
 lambda=1.05  
 r = 0.046

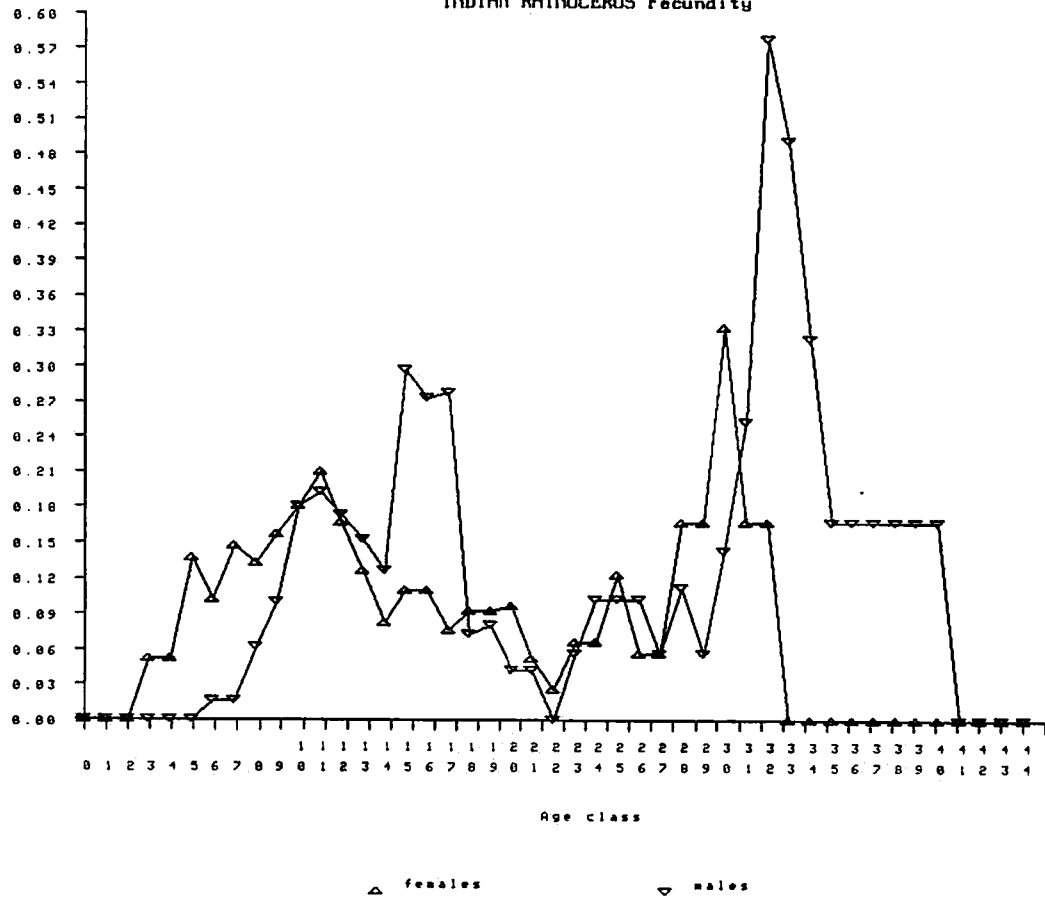
30 day mortality: 33%  
 (11 deaths out of 33 arriving  
 within 30 days of birth date)

33 birth events to known age parents tabulated for Mx...  
 (Average of 33 births to female parents and 33 births to male parents.)  
 plus...

17 death events of known age tabulated for Qx...

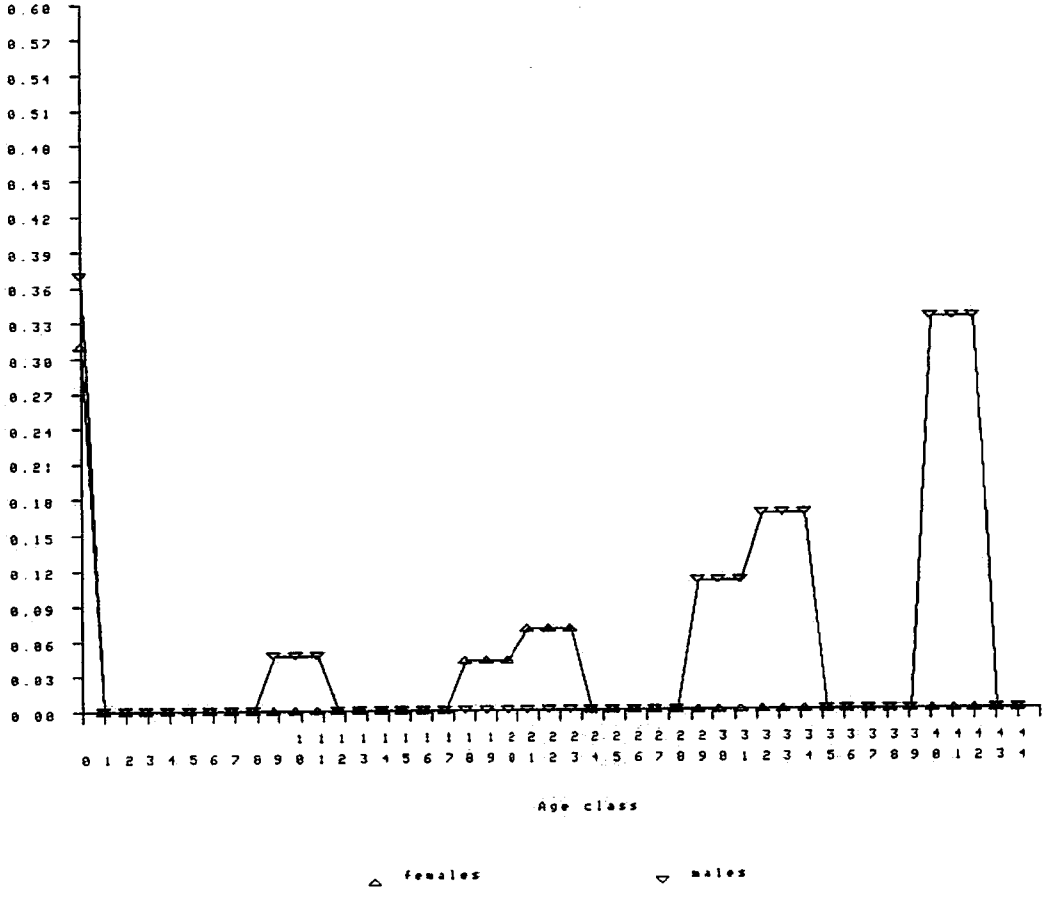
Fecundity

### INDIAN RHINOCEROS Fecundity



Mortality

### INDIAN RHINOCEROS Mortality





## FOUNDER ANALYSIS FOR INDIAN RHINO *Rhinoceros unicornis*

Analysis date: 14/12/97

Locations: N.AMERICA/

Dates: During 11/12/1997 <= date

Status: Living during 11 Dec 1997 -> 14 Dec 1997

Founder calculations omit UNKNOWNs.

Studbook numbers beginning with P indicate wild or unknown founders that mated with studbook # without the P to produce captive-born offspring.

### Founders

Founders	1	5	7	10	11	16	18
Founders	19	24	30	35	46	49	50
Founders	66	76	77	82	137	138	139
Founders	190	191	P30				

### Founder contributions

1.7500	5.0313	6.5313	2.0000	1.7500	0.2500	4.0000
1.0000	3.0938	0.5000	0.7500	0.7500	0.0000	0.0000
1.5000	1.2500	1.2500	3.0938	0.0000	0.5000	0.5000
0.0000	0.0000	0.5000				

### Fractional contributions

0.0486	0.1398	0.1814	0.0556	0.0486	0.0069	0.1111
0.0278	0.0859	0.0139	0.0208	0.0208	0.0000	0.0000
0.0417	0.0347	0.0347	0.0859	0.0000	0.0139	0.0139
0.0000	0.0000	0.0139				

### Number of living descendants

5	22	28	4	5	1	12
3	16	3	2	2	0	0
4	4	4	16	0	1	1
0	0	3				

## GENE DROP ANALYSIS FOR INDIAN RHINO *Rhinoceros unicornis*

Analysis date: 14/12/97

Locations: N.AMERICA/

Dates: During 11/12/1997 <= date

Status: Living during 11 Dec 1997 -> 14 Dec 1997

(Allele loss calculations assume animals breed according to Repro. Values.)

Studbook	Sire	Dam	Location	Prop. genome living desc.	unique among all living	Prob. allele will be lost
29 F	24	82	GULF BREZ	0.0100	0.0100	0.0176
35 M	WILD	WILD	LOSANGELE		0.5000	0.1444
45 F	18	17	LOSANGELE	0.1380	0.1380	0.1849
49 M	WILD	WILD	METROZOO		1.0000	0.1377
50 F	WILD	WILD	METROZOO		1.0000	1.0000
53 M	1	11	NY BRONX	0.2520	0.2520	0.0412
66 F	WILD	WILD	NY BRONX		0.2605	0.3320
69 M	19	28	TORONTO	0.2460	0.2460	0.0254
79 F	1	11	TORONTO	0.1035	0.1035	0.1391
80 F	18	7	PHILADELP	0.0080	0.0080	0.0210
83 M	18	31	NY BRONX	0.0225	0.0225	0.0084
87 M	18	56	WILDS	0.1250	0.1250	0.0237
89 F	32	31	SD-WAP	0.3790	0.3790	0.2776
99 F	26	29	SD-WAP	0.0000	0.0000	0.0034
101 M	26	29	PHILADELP	0.0000	0.0000	0.0004
106 M	76	77	SD-WAP	0.1325	0.1325	0.0199
116 M	26	29	LOWRY	0.0000	0.0000	0.0011
125 M	35	46	OKLAHOMA	0.5000	0.2415	0.0207
126 M	10	80	METROZOO	0.0550	0.0550	0.0050
130 F	26	29	SD-WAP	0.0000	0.0000	0.0029
131 F	83	66	NY BRONX	0.1120	0.0000	0.0509
137 F	WILD	WILD	SD-WAP		1.0000	0.2832
138 F	WILD	WILD	NZP-WASH		0.5000	0.1992
139 F	WILD	WILD	NZP-WASH		0.5000	0.1558
143 F	26	99	SD-WAP	0.0000	0.0000	0.0006
146 M	26	29	ROLLING H	0.0005	0.0005	0.0007
147 M	10	80	CINCINNAT	0.0635	0.0635	0.0043
161 F	83	66	OKLAHOMA	0.1285	0.0000	0.0272
180 M	26	29	BATONROUG	0.0000	0.0000	0.0007
187 M	10	80	BUFFALO	0.0595	0.0595	0.0053
189 F	69	79	CINCINNAT	0.0000	0.0000	0.0205
190 M	WILD	WILD	FORTWORTH		1.0000	0.0442
191 F	WILD	WILD	FORTWORTH		1.0000	0.1792
209 F	26	143	SD-WAP	0.0000	0.0000	0.0001
222 M	69	79	TORONTO	0.0000	0.0000	0.0148
223 F	10	80	PHILADELP	0.0665	0.0665	0.0105
224 M	26	29	GULF BREZ	0.0010	0.0010	0.0012
227 M	106	99	SAN FRAN	0.0000	0.0000	0.0016
230 F	53	131	NY BRONX	0.0000	0.0000	0.0102
236 M	26	130	SD-WAP	0.0005	0.0005	0.0004
238 F	101	138	NZP-WASH	0.5000	0.0000	0.0224
239 M	101	139	NZP-WASH	0.5000	0.0000	0.0142
241 F	125	161	OKLAHOMA	0.0000	0.0000	0.0052
T9021 F	106	130	SD-WAP	0.0000	0.0000	0.0035
T9024 M	106	209	SD-WAP	0.0000	0.0000	0.0028

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24 Founders

36 Living descendants

66 In analysis  
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## FOUNDER ALLELE REPRESENTATION

Founder	Retention	%Representation	Target	Difference
1 M	0.741	4.822	4.148	-0.674
5 M	0.818	13.861	4.582	-9.279
7 F	0.906	18.249	5.069	-13.179
10 M	0.934	5.556	5.226	-0.330
11 F	0.755	4.900	4.224	-0.676
16 F	0.248	0.689	1.388	0.699
18 M	0.962	11.097	5.383	-5.714
19 M	0.500	2.786	2.799	0.013
24 M	0.500	8.692	2.799	-5.893
30 F	0.268	1.496	1.503	0.007
35 ML	0.500	2.060	5.598	3.539
46 F	0.500	2.107	2.799	0.692
49 ML	0.000	0.000	5.598	5.598
50 FL	0.000	0.000	5.598	5.598
66 FL	0.740	4.132	5.598	1.466
76 M	0.500	3.481	2.799	-0.681
77 F	0.500	3.464	2.799	-0.665
82 F	0.500	8.558	2.799	-5.759
137 FL	0.000	0.000	5.598	5.598
138 FL	0.500	1.389	5.598	4.209
139 FL	0.500	1.389	5.598	4.209
190 ML	0.000	0.000	5.598	5.598
191 FL	0.000	0.000	5.598	5.598
P30 M	0.232	1.274	1.296	0.022

### GENETIC SUMMARY

### LIVING DESCENDANT POPULATION

### POTENTIAL

Number of founders:	19	24
Mean retention:	0.584	0.744
Founder genomes surviving:	11.102	17.862
Founder Genome Equivalents:	6.170	17.862
Fraction source gene diversity retained:	0.919	0.972
Fraction wild source gene diversity lost:	0.081	0.028
Mean inbreeding coefficient:	0.035	

## INBREEDING COEFFICIENTS AND MEAN KINSHIPS FOR INDIAN RHINO *Rhinoceros unicornis*

Analysis date: 14/12/97

Locations: N.AMERICA/

Dates: During 11/12/1997 <= date

Status: Living during 11 Dec 1997 -> 14 Dec 1997

Inbreeding and kinship calculations omit genes from UNKNOWN ancestors.

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### MEAN KINSHIP OF LIVING ANIMALS TO LIVING NON-FOUNDERS

Studbook	Sire	Dam	Inbreeding	Mean kinship	Kinship value	Known	Location
29 F	24	82	F = 0.0000	mk = 0.0859	kv = 0.0784	1.0000	GULF BREZ
35 M	WILD	WILD	F = 0.0000	mk = 0.0104	kv = 0.0142	1.0000	LOSANGELE
45 F	18	17	F = 0.0000	mk = 0.0766	kv = 0.0632	1.0000	LOSANGELE
49 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	METROZOO
50 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	METROZOO
53 M	1	11	F = 0.0000	mk = 0.0347	kv = 0.0327	1.0000	NY BRONX
66 F	WILD	WILD	F = 0.0000	mk = 0.0208	kv = 0.0184	1.0000	NY BRONX
69 M	19	28	F = 0.0000	mk = 0.0278	kv = 0.0351	1.0000	TORONTO
79 F	1	11	F = 0.0000	mk = 0.0382	kv = 0.0292	1.0000	TORONTO
80 F	18	7	F = 0.0000	mk = 0.0940	kv = 0.0893	1.0000	PHILADELP
83 M	18	31	F = 0.0000	mk = 0.0914	kv = 0.0857	1.0000	NY BRONX
87 M	18	56	F = 0.2500	mk = 0.0730	kv = 0.0694	1.0000	WILDS
89 F	32	31	F = 0.1250	mk = 0.0733	kv = 0.0615	1.0000	SD-WAP
99 F	26	29	F = 0.0000	mk = 0.1250	kv = 0.1152	1.0000	SD-WAP
101 M	26	29	F = 0.0000	mk = 0.1224	kv = 0.1211	1.0000	PHILADELP
106 M	76	77	F = 0.0000	mk = 0.0347	kv = 0.0383	1.0000	SD-WAP
116 M	26	29	F = 0.0000	mk = 0.1155	kv = 0.1136	1.0000	LOWRY
125 M	35	46	F = 0.0000	mk = 0.0208	kv = 0.0285	1.0000	OKLAHOMA
126 M	10	80	F = 0.0000	mk = 0.0678	kv = 0.0753	1.0000	METROZOO
130 F	26	29	F = 0.0000	mk = 0.1224	kv = 0.1154	1.0000	SD-WAP
131 F	83	66	F = 0.0000	mk = 0.0665	kv = 0.0598	1.0000	NY BRONX
137 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	SD-WAP
138 F	WILD	WILD	F = 0.0000	mk = 0.0069	kv = 0.0076	1.0000	NZP-WASH
139 F	WILD	WILD	F = 0.0000	mk = 0.0069	kv = 0.0085	1.0000	NZP-WASH
143 F	26	99	F = 0.2500	mk = 0.1402	kv = 0.1333	1.0000	SD-WAP
146 M	26	29	F = 0.0000	mk = 0.1155	kv = 0.1160	1.0000	ROLLING H
147 M	10	80	F = 0.0000	mk = 0.0678	kv = 0.0763	1.0000	CINCINNAT
161 F	83	66	F = 0.0000	mk = 0.0665	kv = 0.0627	1.0000	OKLAHOMA
180 M	26	29	F = 0.0000	mk = 0.1155	kv = 0.1159	1.0000	BATONROUG
187 M	10	80	F = 0.0000	mk = 0.0678	kv = 0.0753	1.0000	BUFFALO
189 F	69	79	F = 0.0000	mk = 0.0399	kv = 0.0399	1.0000	CINCINNAT
190 M	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	FORTWORTH
191 F	WILD	WILD	F = 0.0000	mk = 0.0000	kv = 0.0000	1.0000	FORTWORTH
209 F	26	143	F = 0.3750	mk = 0.1448	kv = 0.1420	1.0000	SD-WAP
222 M	69	79	F = 0.0000	mk = 0.0399	kv = 0.0413	1.0000	TORONTO
223 F	10	80	F = 0.0000	mk = 0.0678	kv = 0.0728	1.0000	PHILADELP
224 M	26	29	F = 0.0000	mk = 0.1155	kv = 0.1138	1.0000	GULF BREZ
227 M	106	99	F = 0.0000	mk = 0.0868	kv = 0.0859	1.0000	SAN FRAN
230 F	53	131	F = 0.0000	mk = 0.0576	kv = 0.0540	1.0000	NY BRONX
236 M	26	130	F = 0.2500	mk = 0.1337	kv = 0.1320	1.0000	SD-WAP
238 F	101	138	F = 0.0000	mk = 0.0716	kv = 0.0720	1.0000	NZP-WASH
239 M	101	139	F = 0.0000	mk = 0.0716	kv = 0.0733	1.0000	NZP-WASH
241 F	125	161	F = 0.0000	mk = 0.0506	kv = 0.0532	1.0000	OKLAHOMA
T9021 F	106	130	F = 0.0000	mk = 0.0855	kv = 0.0829	1.0000	SD-WAP
T9024 M	106	209	F = 0.0000	mk = 0.0954	kv = 0.0953	1.0000	SD-WAP

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**ORDERED LISTS OF MEAN KINSHIP BY SEX - INDIAN RHINO**

Rank	MALES MK	Age	Known		FEMALES MK	Age	Known
1	49	.0000	29	1.00	METRO	50	.0000 28 1.00 METRO
2	190	.0000	9	1.00	FORTW	137	.0000 11 1.00 SD-WA
3	35	.0104	32	1.00	LOSAN	191	.0000 9 1.00 FORTW
4	125	.0208	12	1.00	OKLAH	138	.0069 12 1.00 NZP-W
5	69	.0277	24	1.00	TORON	139	.0069 11 1.00 NZP-W
6	53	.0347	27	1.00	NY BR	66	.0208 24 1.00 NY BR
7	106	.0347	17	1.00	SD-WA	79	.0381 22 1.00 TORON
8	222	.0399	3	1.00	TORON	189	.0399 6 1.00 CINCI
9	126	.0678	12	1.00	METRO	241	.0506 1 1.00 OKLAH
10	147	.0678	9	1.00	CINCI	230	.0575 2 1.00 NY BR
11	187	.0678	6	1.00	BUFFA	131	.0665 12 1.00 NY BR
12	239	.0716	1	1.00	NZP-W	161	.0665 8 1.00 OKLAH
13	87	.0730	20	1.00	WILDS	223	.0678 3 1.00 PHILA
→ 14	227	.0868	3	1.00	SAN F	238	.0716 1 1.00 NZP-W
15	83	.0913	22	1.00	NY BR	89	.0732 18 1.00 SD-WA
16	T9024	.0953	0	1.00	SD-WA	45	.0766 28 1.00 LOSAN
17	116	.1154	15	1.00	LOWRY	→T9021	.0855 0 1.00 SD-WA
18	146	.1154	10	1.00	ROLLI	29	.0859 34 1.00 GULF
19	180	.1154	8	1.00	BATON	80	.0939 22 1.00 PHILA
20	224	.1154	3	1.00	GULF	130	.1223 12 1.00 SD-WA
21	101	.1223	17	1.00	PHILA	99	.1250 20 1.00 SD-WA
22	236	.1336	2	1.00	SD-WA	143	.1401 11 1.00 SD-WA
23						209	.1447 4 1.00 SD-WA

→ Indicates first individual with mean kinship above population average of 0.0807.

**GENETIC SUMMARY OF POPULATION**

Descendant population Mean Kinship:	0.0807
Gene Diversity:	0.9193
Founder Genome Equivalent:	6.1983
Desc. population mean Kinship Value:	0.0798
Gene Value:	0.9202

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## ORDERED LISTS OF KINSHIP VALUE BY SEX - INDIAN RHINO

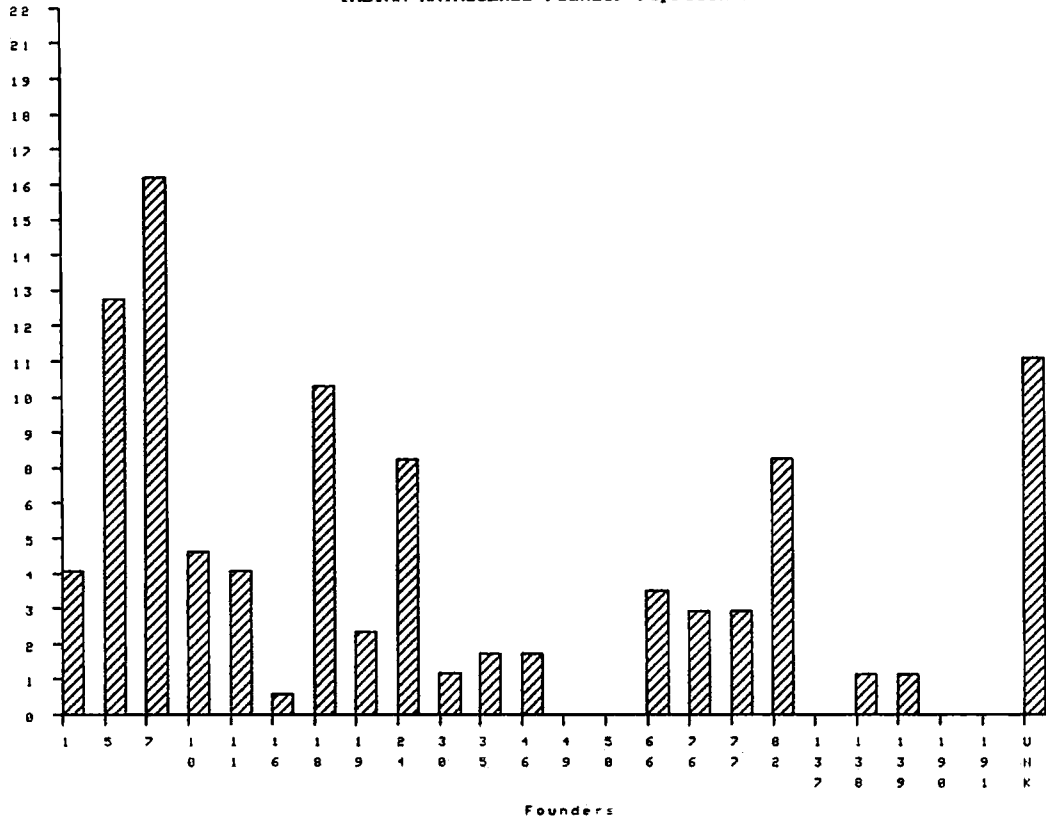
Rank	MALES KV	Age	Known	FEMALES KV	Age	Known	
1	49	.0000	29 1.00	METRO	50	.0000 28 1.00	METRO
2	190	.0000	9 1.00	FORTW	137	.0000 11 1.00	SD-WA
3	35	.0142	32 1.00	LOSAN	191	.0000 9 1.00	FORTW
4	125	.0284	12 1.00	OKLAH	138	.0075 12 1.00	NZP-W
5	53	.0326	27 1.00	NY BR	139	.0084 11 1.00	NZP-W
6	69	.0350	24 1.00	TORON	66	.0183 24 1.00	NY BR
7	106	.0383	17 1.00	SD-WA	79	.0292 22 1.00	TORON
8	222	.0413	3 1.00	TORON	189	.0399 6 1.00	CINCI
9	87	.0694	20 1.00	WILDS	241	.0531 1 1.00	OKLAH
10	239	.0732	1 1.00	NZP-W	230	.0540 2 1.00	NY BR
11	126	.0752	12 1.00	METRO	131	.0597 12 1.00	NY BR
12	187	.0752	6 1.00	BUFFA	89	.0614 18 1.00	SD-WA
13	147	.0762	9 1.00	CINCI	161	.0627 8 1.00	OKLAH
14	83	.0857	22 1.00	NY BR	45	.0632 28 1.00	LOSAN
15	227	.0859	3 1.00	SAN F	238	.0719 1 1.00	NZP-W
16	T9024	.0952	0 1.00	SD-WA	223	.0728 3 1.00	PHILA
17	116	.1136	15 1.00	LOWRY	29	.0784 34 1.00	GULF
18	224	.1138	3 1.00	GULF	T9021	.0828 0 1.00	SD-WA
19	180	.1159	8 1.00	BATON	80	.0893 22 1.00	PHILA
20	146	.1159	10 1.00	ROLLI	99	.1151 20 1.00	SD-WA
21	101	.1211	17 1.00	PHILA	130	.1153 12 1.00	SD-WA
22	236	.1319	2 1.00	SD-WA	143	.1333 11 1.00	SD-WA
23					209	.1419 4 1.00	SD-WA

## GENETIC SUMMARY OF POPULATION

Descendant population Mean Kinship:	0.0807
Gene Diversity:	0.9193
Founder Genome Equivalent:	6.1983
Desc. population mean Kinship Value:	0.0798
Gene Value:	0.9202

Percent

INDIAN RHINOCEROS Founder representation



**SUMATRAN RHINO**

*Dicerorhinus sumatrensis*



SUMATRAN RHINO Studbook  
 (Dicerorhinus sumatrensis)

Restricted to:

Locations: N.AMERICA/

Dates: During 01/11/1995 <= date

Status: Living during 1 Nov 1995 -> 29 Dec 1997

Report ordered by: current (last) location...

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
Cincinnati Zoo & Botanical Garden, Cincinnati, OH, USA											
27	F	????	WILD	WILD	SUMATRA	26 Aug 1989	UNK	Wild Born	INDONESIA		RAPUNZEL
					LOSANGELE	29 Nov 1989	UNK		U.S.A.		
					NY BRONX	16 May 1990	UNK		U.S.A.		
					CINCINNAT	6 Feb 1993	UNK		U.S.A.		
28	M	????	WILD	WILD	SUMATRA	23 Jul 1990	UNK	Wild Born	INDONESIA		IPUH/BAGUS
					SANDIEGOZ	10 Apr 1991	UNK		U.S.A.		
					CINCINNAT	25 Oct 1991	UNK		U.S.A.		
29	F	????	WILD	WILD	SUMATRA	6 Mar 1991	UNK	Wild Born	INDONESIA		EMI/IPAK
					LOSANGELE	23 Nov 1991	UNK		U.S.A.		
					CINCINNAT	5 Aug 1995	UNK		U.S.A.		

Totals: 1.2.0 (3)

TOTALS: 1.2.0 (3)

1 Institutions

SUMATRAN RHINO Studbook  
(Dicerorhinus sumatrensis)

Restricted to:  
Locations: N.AMERICA/  
Dates: During 01/11/1995 <= date  
Event: Births  
Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
--------	-----	------------	------	-----	----------	------	----------	--------------	---------	------------	------

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TOTALS: 0.0.0 (0)

SUMATRAN RHINO Studbook  
(Dicerorhinus sumatrensis)

Restricted to:

Locations: N.AMERICA/

Dates: During 01/11/1995 <= date

Event: Deaths

Report ordered by: current (last) location...

=====

Stud #	Sex	Birth Date	Sire	Dam	Location	Date	Local ID	Birth-Origin	Country	Death-Date	Name
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=====

TOTALS: 0.0.0 (0)

SUMATRAN RHINO Studbook  
(Dicerorhinus sumatrensis)

Restricted to:  
Locations: N.AMERICA/  
Dates: During 01/11/1995 <= date  
Event: Transfers  
Report ordered by: current (last) location...

=====  
Stud # | Sex | Birth Date | Sire | Dam | Location | Date | Local ID | Birth-Origin Country | Death-Date | Name  
=====

TOTALS: 0.0.0 (0)

## AZA RHINO ADVISORY GROUP

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White Oak Conservation Cntr

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