

SOUTHERN WHITE RHINOCEROS
(*Ceratotherium simum simum*)

1989 NORTH AMERICAN STUDBOOK AND SSP MASTERPLAN

Propagation Group

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PREFACE

The North American Studbook for the Southern White Rhinoceros is divided into two distinct sections. The first contains the conventional studbook listings and information, while the second section deals primarily with the Species Survival Plan data and the masterplan recommendations.

As with all studbooks, the data are only as accurate as the information provided by the holding institutions. Every effort has been made to insure the accuracy of the data pertaining to the 149 animals in the SSP institutions. However, there is a fairly large number of white rhinos in North America not held by SSP institutions and for which the accuracy of the data may be suspect. Persons/institutions with verifiable information concerning the accuracy of the studbook data are encouraged to contact the Species Coordinator.

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Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
23	M	WILD	WILD	??..???.1960	BRONX	04.Sep.1962				NYC 01	.000	WOOLY	
					NEW ORLEANS	03.Dec.1974	055						
24	F	WILD	WILD	??..???.1958	BRONX	04.Sep.1962				NYC 02	.000	JESSIE	
					NEW ORLEANS	03.Dec.1974	061						
25	M	WILD	WILD	??..???.1961	CATSKILL	09.May.1963				CAT 01	.000	CHIPPIE	
26	F	WILD	WILD	??..???.1961	CATSKILL	09.May.1963				CAT 02	.000	BARBARA	
27	M	WILD	WILD	??..???.1963	WASHINGTON	04.Sep.1965			02.May.1975	WAS 01	.000	BILL	
					SDWAP	14.Apr.1972							
28	F	WILD	WILD	??..???.1963	WASHINGTON	04.Sep.1965			15.Mar.1979	WAS 02	.000	LUCY	
					SDWAP	22.Apr.1972							
29	M	WILD	WILD	??..???.1959	BROOKFIELD	??..Sep.1962				CHI 01	.000	MASHUARA	
					WINSTON	??..Jun.1988							
30	F	WILD	WILD	??..???.1960	BROOKFIELD	??..Sep.1962				CHI 02	.000	NEVA	
					WINSTON	??..Jun.1988							
31	M	WILD	WILD	??..???.1958	MILWAUKEE	30.Aug.1962				MKE 01	.000	MIONDO	
					FOSSIL RIM	15.Dec.1988							
32	F	WILD	WILD	??..???.1958	MILWAUKEE	30.Aug.1962	205		13.May.1985	MKE 02	.000	MAHLUSA	
33	F	WILD	WILD	??..???.1958	MILWAUKEE	30.Aug.1962			02.Nov.1983	MKE 03	.000	MASTINDA	
34	M	WILD	WILD	??..???.1961	PHOENIX	28.Jul.1963	137			PHX 01	.000	KEHTLA	
35	F	WILD	WILD	??..Dec.1961	PHOENIX	28.Jul.1963				PHX 02	.000		
					FUJIWARA	02.Nov.1979							
36	M	WILD	WILD	??..???.1961	OKLAHOMA	16.Aug.1963			01.Aug.1979	OKC 01	.000	GORDON	
					WINSTON	26.Jun.1978	024602						
37	F	WILD	WILD	??..???.1960	OKLAHOMA	16.Aug.1963			26.Jun.1978	OKC 02	.000	FAITH	
					WINSTON	26.Jun.1978							
38	M	WILD	WILD	??..???.1963	OMAHA	14.Nov.1966	314			OMA 01	.000	SHAKE	
39	F	WILD	WILD	??..???.1963	OMAHA	14.Nov.1966	315			OMA 02	.000	NANDI	
40	M	WILD	WILD	??..???.1961	MEMPHIS	15.Sep.1964	0270			MEM 01	.000	MAHLEBENI	
41	F	WILD	WILD	??..???.1961	MEMPHIS	15.Sep.1964	HO148		10.Nov.1973	MEM 02	.000	BACXA	
42	M	WILD	WILD	??..???.1964	JACKSONVILLE	10.Jun.1967				JAX 01	.000	DUBELO	
					WHITE OAK	31.Oct.1984	8497						
43	F	WILD	WILD	??..???.1964	JACKSONVILLE	10.Jun.1967				JAX 02	.000	ONGAWA	
					WHITE OAK	22.Aug.1984	8471						

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current House name	Comments
44	M	WILD	WILD	??,???.1961	TAMPA	13.Oct.1965	15315			TPA 01	.000	GEORGE	
45	F	WILD	WILD	??,???.1962	TAMPA	13.Oct.1965	15316			TPA 02	.000	MAUDE	
46	M	WILD	WILD	??,???.1963	CALGARY	14.May.1966	100545		17.Dec.1987	YYC 01	.000	DUNCAN	
47	F	WILD	WILD	??,???.1963	CALGARY	14.May.1966	100546			YYC 02	.000	JANET	
48	M	WILD	WILD	??,???.1960	SAN FRANCISCO SDWAP	26.Nov.1963 21.Apr.1987				SFO 01	.000	NDHELELEN	
49	F	WILD	WILD	??,???.1961	SAN FRANCISCO SDWAP WINSTON	26.Nov.1963 23.Apr.1987 03.Nov.1987	587103		06.Nov.1987	SFO 02	.000	MABUHYAN	
50	M	WILD	WILD	??,???.1963	LOS ANGELES LLANO	17.Aug.1965 04.Jun.1983				LAX 01	.000		
51	F	WILD	WILD	??,???.1963	LOS ANGELES LLANO	17.Aug.1965 04.Jun.1983				LAX 02	.000		
52	M	WILD	WILD	??,???.1960	SAN DIEGO ZOO IAE/FERNDALE	08.Sep.1962 19.Nov.1983			??,Mar.1984	SAN 01	.000	MANDULA	
53	F	WILD	WILD	??,???.1960	SAN DIEGO ZOO PUEBLA	08.Sep.1962 ??,Jul.1976				SAN 02	.000		
70	M	WILD	WILD	??,???.1965	WHIPSDADE MOSCOW	23.Jun.1967 01.Jun.1985				WHI 01	.000		
80	M	WILD	WILD	??,???.1964	LOUISVILLE KINGS MILLS	06.Dec.1969 11.Feb.1985				SDF 01	.000	LEW II	
81	F	WILD	WILD	??,???.1964	LOUISVILLE KINGS MILLS COLUMBUS	15.Nov.1967 11.Feb.1985 15.Jul.1988	821			SDF 02	.000	LUANA	
82	M	WILD	WILD	??,???.1967	FORT WORTH	23.May.1968	122			FOW 01	.000	MNUMZAAN	
83	F	WILD	WILD	??,???.1967	FORT WORTH	23.May.1968	123			FOW 02	.000	MASIPULA	
102	F	WILD	WILD	??,???.1967	WHIPSDADE	05.Aug.1970				WHI 17	.000		
106	F	WILD	WILD	??,???.1955	WHIPSDADE	05.Aug.1970			15.Dec.1986	WHI 21	.000		
121	F	WILD	WILD	??,???.1969	WARMINSTER DUBBO	09.Nov.1970 06.May.1980				LNG 06	.000	TESSA	
142	M	WILD	WILD	??,???.1963	SDWAP CANTON	17.Feb.1971 04.Dec.1979				SAW 01	.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current House name	Comments
143	M	WILD	WILD	???.???.1963	SDWAP	17.Feb.1971				SAW 02	.000	MITONDO	
144	M	WILD	WILD	???.???.1963	TORONTO SDWAP	08.Aug.1974 17.Feb.1971	4314			SAW 03	.000		
145	M	WILD	WILD	???.???.1963	MITCHELLVILLE SDWAP	27.Sep.1973 17.Feb.1971			29.Sep.1983	SAW 04	.000	SEZELA	
146	M	WILD	WILD	???.???.1968	EL PASO SDWAP	21.Sep.1976 17.Feb.1971				SAW 05	.000	PENDULA	
147	F	WILD	WILD	???.???.1963	COLUMBUS SDWAP	17.Jun.1975 17.Feb.1971	752006			SAW 06	.000	MACITE	
148	F	WILD	WILD	???.???.1968	SDWAP	17.Feb.1971	100255			SAW 07	.000	GOBELE	
149	F	WILD	WILD	???.???.1968	COLUMBUS SDWAP	17.Jun.1975 17.Feb.1971	752007		09.Apr.1973	SAW 08	.000	ISHLONDO	
150	F	WILD	WILD	???.???.1963	SDWAP	17.Feb.1971	100258			SAW 09	.000	SINAMRA	
151	F	WILD	WILD	???.???.1963	SDWAP	17.Feb.1971			04.Dec.1979	SAW 10	.000	UHTANDI	
152	F	WILD	WILD	???.???.1963	CANTON SDWAP	04.Dec.1979 17.Feb.1971			29.Jul.1985	SAW 11	.000	MPONDO	
153	F	WILD	WILD	???.???.1963	TORONTO SDWAP	08.Aug.1974 17.Feb.1971	4316			SAW 12	.000	TAMBILE	
154	F	WILD	WILD	???.???.1963	PHOENIX SDWAP	01.May.1975 17.Feb.1971	1672			SAW 13	.000	MJUBA	
155	F	WILD	WILD	???.???.1963	SDWAP	17.Feb.1971	100262		14.Jan.1988	SAW 14	.000	DABULA	
156	F	WILD	WILD	???.???.1963	SDWAP	17.Feb.1971	100263			SAW 15	.000	MAVULA	
157	F	WILD	WILD	???.???.1963	SDWAP	29.Sep.1983	100264			SAW 16	.000	KOMAAS	
158	F	WILD	WILD	???.???.1963	SDWAP	17.Feb.1971	100265		26.Sep.1976	SAW 17	.000	UHLANYA	
159	F	WILD	WILD	???.???.1963	SDWAP	17.Feb.1971	100266			SAW 18	.000	UMFOLOZI	
177	M	WILD	WILD	???.???.1968	TOLEDO WHITE OAK	22.Sep.1970 21.Jun.1984	8451			TOL 01	.000	PHIL	
178	F	WILD	WILD	???.???.1968	TOLEDO WHITE OAK	22.Sep.1970 21.Jun.1984	8452			TOL 02	.000	BERNADINE	
180	M	WILD	WILD	???.???.1965	TOLEDO SAN ANTONIO	21.Dec.1988 05.Oct.1970	701002			STA 01	.000	FRED	
181	F	WILD	WILD	???.???.1965	SAN ANTONIO	05.Oct.1970	701003			STA 02	.000	GERTRUDE	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housename	Comments
182	F	WILD	WILD	??,???.1969	SAN ANTONIO	13.Feb.1971	710202			STA 03	.000	PHOEBE	
187	M	WILD	WILD	??,???.1968	FRESNO	19.Sep.1971	1156			FRE 01	.000	FODDER	
188	F	WILD	WILD	??,???.1968	FRESNO	19.Sep.1971	1157			FRE 02	.000	MUDDER	
189	M	WILD	WILD	??,???.1968	BROWNSVILLE	11.Sep.1970	261			BRO 01	.000	M'KABI	
190	F	WILD	WILD	??,???.1968	BROWNSVILLE	11.Sep.1970	262			BRO 02	.000	NOBELA	
191	M	WILD	WILD	??,???.1968	HOUSTON	08.Jul.1971	441			IAH 01	.000		
192	F	WILD	WILD	??,???.1967	HOUSTON	08.Jul.1971	440			IAH 02	.000		
195	M	WILD	WILD	??,???.1968	DUBBO	31.Dec.1968				WOB 3	.000	THOMAS	
					WOBURN	??,???.1970							
196	F	WILD	WILD	??,???.1968	WOBURN	??,???.1970				WOB 4	.000	NICOLE	
					DUBBO	06.May.1980							
202	M	180	181	28.Aug.1972	SAN ANTONIO	28.Aug.1972				STA 04	.000	SHAKA	
					BROWNSVILLE	08.Jan.1987	3120						
203	M	52	151	11.Oct.1972	SDWAP	11.Oct.1972				SAN 03	.000	ZIBULO	
					TUCSON	08.Jun.1976	678						
204	M	WILD	WILD	??,???.1969	LAGUNA HILLS	16.Jun.1970				LAG 01	.000	SIMON	
					AMARILLO	??,???.1982							
205	M	WILD	WILD	??,???.1969	LAGUNA HILLS	16.Jun.1970				LAG 02	.000	SHUSTER	
					AMARILLO	??,???.1982							
206	F	WILD	WILD	??,???.1969	LAGUNA HILLS	16.Jun.1970				LAG 03	.000	GERALDINE	
					IAE/FERNDALE	??,Apr.1979							
207	F	WILD	WILD	??,???.1969	LAGUNA HILLS	16.Jun.1970				LAG 04	.000	NOTCH EAR	
					TAIPEI	06:Jun.1979							
212	F	52	159	14.Dec.1972	SAN DIEGO ZOO	14.Dec.1972			27.Jan.1973	SAN 04	.000		
213	M	52	152	19.Dec.1972	SAN DIEGO ZOO	19.Dec.1972				SAN 05	.000		
					TORONTO	08.Aug.1974	4313						
					CALGARY	23.Sep.1988							
215	M	WILD	WILD	??,???.1970	BROWNSVILLE	07.Nov.1972	263		20.Nov.1975	BRO 03	.000	CEIWEAYO	
216	F	WILD	WILD	??,???.1970	BROWNSVILLE	07.Nov.1972	264		10.Jan.1976	BRO 04	.000	PAMPATA	
218	F	52	157	03.Feb.1973	SDWAP	03.Feb.1973				SAW 19	.000	ISIBAMU	
					TORONTO	08.Aug.1974	4315						

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
219	F	52	153	08.May.1973	SDWAP PHILADELPHIA FOSSILL RIM	08.May.1973 04.May.1974 28.Nov.1988	100251			SAW 20	.000	HENRIETTA	
220	M	52	154	28.Jun.1973	SDWAP PHILADELPHIA TOLEDO	28.Jun.1973 04.May.1974 15.Nov.1988	100250			SAW 21	.000		
237	F	UNK	UNK	20.Jan.1975	SAN ANTONIO	20.Jan.1975			22.Feb.1975	STA 05	.000		
238	F	52	150	15.Apr.1973	SDWAP TUCSON	15.Apr.1973 08.Jun.1976	238			SAW 22	.000	YEBONGA	
264	F	WILD	WILD	??.???.1971	LAGUNA HILLS MOUNTAIN HOME	13.May.1973 01.Aug.1979				LAG 05	.000		
265	F	WILD	WILD	??.???.1969	LAGUNA HILLS TAIPEI	13.May.1973 06.Jun.1979				LAG 06	.000		
266	F	WILD	WILD	??.???.1968	LAGUNA HILLS TAIPEI	13.May.1973 06.Jun.1979				LAG 07	.000		
267	F	WILD	WILD	??.???.1970	LAGUNA HILLS	21.Mar.1970			10.Jun.1979	LAG 08	.000		
268	F	WILD	WILD	24.Apr.1974	LAGUNA HILLS AMARILLO	24.Apr.1974 ??.???.1982				LAG 09	.000		
269	M	WILD	WILD	??.???.1968	LAGUNA HILLS THOUSAND OAKS	13.May.1973 ??Jan.1980			05.Jun.1980	LAG 10	.000		
270	M	WILD	WILD	??.???.1969	LAGUNA HILLS THOUSAND OAKS	13.May.1973 ??Jan.1980			05.Jun.1980	LAG 11	.000		
271	M	WILD	WILD	??.???.1970	LAGUNA HILLS WINSTON	13.May.1973 ??.???.1974			??.???.1974	LAG 12	.000		
272	M	WILD	WILD	??.???.1970	LAGUNA HILLS ROSEBURG	13.May.1973 11.Jul.1981				LAG 13	.000		
273	F	WILD	WILD	??.???.1970	LAGUNA HILLS TAIPEI	13.May.1973 06.Jun.1979				LAG 14	.000		
275	F	180	181	19.Apr.1976	SAN ANTONIO GUATEMALA	19.Apr.1976 14.Apr.1978				STA 06	.000		
276	M	UNK	UNK	08.Sep.1974	LAGUNA HILLS HOWARD JOHNSON	08.Sep.1974 16.Apr.1976			18.Apr.1976	LAG 15	.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
277	F	WILD	WILD	??..???.1963	SAN DIEGO ZOO	18.Sep.1971				SAN 06	.000	NTHOMBI	
280	M	52	148	29.May.1974	SDWAP	01.Nov.1972	100271			SAW 23	.000	JACK	
281	M	52	159	29.Jun.1974	WINSTON	26.Jun.1975	006751		??..???.1978	SAW 24	.000		
282	F	52	147	13.Jul.1974	SDWAP	04.Jun.1978			01.Apr.1987	SAW 25	.000	JILL	
283	F	52	154	22.Sep.1974	WINSTON	26.Jun.1975	006752		15.Feb.1976	SAW 26	.000		
284	M	52	150	30.Sep.1974	SDWAP	22.Sep.1974	101220			SAW 27	.000	CHAKA	
285	M	52	277	23.Oct.1974	DELAND	26.Nov.1983				SAW 28	.000	ROTTYNY	
286	M	52	147	19.Jan.1976	SDWAP	23.Oct.1974				SAW 29	.000		
287	M	52	155	12.Mar.1976	SOEST	02.Oct.1983				SAW 30	.000		
288	M	52	277	09.May.1975	SDWAP	28.May.1977				SAW 31	.000		
289	F	52	UNK	04.Dec.1974	PUEBLA	09.May.1975				SAW 32	.000		
317	M	WILD	WILD	??..???.1971	SDWAP	01.Jul.1976							
318	F	WILD	WILD	??..???.1971	SDWAP	04.Dec.1974			14.Dec.1978	KCM 01	.000	BENNIE	
333	F	52	150	25.Mar.1976	SOEST	28.May.1977	628			KCM 02	.000	ANNE	
334	F	52	158	13.Apr.1976	JACKSONVILLE	05.Jan.1983	1943		??..???.1977	SAW 33	.000		
335	M	52	154	24.Aug.1976	SDWAP	25.Mar.1976			29.Nov.1976	SAW 34	.000		
336	M	WILD	WILD	??..???.1966	SDWAP	28.May.1977				SAW 35	.000	SHIMBAYA	
					SALT LAKE CITY	18.May.1977	00927						
					REDWOOD CITY	01.May.1972	1022			RWC 01	.000	POP	
					VALLEJO	01.Jan.1988							

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337	F	WILD	WILD	??.???.1966	REDWOOD CITY VALLEJO	01.May.1972 01.Jan.1988	1023			RWC 02	.000	MOM	
342	F	UNK	UNK	23.Oct.1976	WHIPNADE DUBBO	23.Oct.1976 26.Jan.1984			26.Jan.1984	WHI 32	.000		
349	M	WILD	WILD	??.???.1970	HONOLULU	22.Jan.1973			??.Oct.1984	HLU 01	.000	DONGOLA	
350	F	WILD	WILD	??.???.1970	HONOLULU	22.Jan.1973			??,Nov.1983	HLU 02	.000	MARSHA	
358	F	WILD	WILD	??.???.1966	ALBUQUERQUE	27.Nov.1973	10312			ALQ 01	.000	DINKA	
359	M	WILD	WILD	??.???.1965	ALBUQUERQUE	27.Nov.1973	10311			ALQ 02	.000	CHUKURU	
363	M	WILD	WILD	??.???.1969	ROCKTON	03.May.1973	100210			ROK 01	.000	LUCIFER	
364	M	WILD	WILD	??.???.1969	ROCKTON	03.May.1973	100211			ROK 02	.000	ABNER	
365	F	WILD	WILD	??.???.1969	ROCKTON	03.May.1973	100212			ROK 03	.000	KATIE	
366	F	WILD	WILD	??.???.1969	ROCKTON	03.May.1973	100213			ROK 04	.000	MAY	
379	M	WILD	WILD	??.???.1968	STOCKBRIDGE COLUMBIA	15.Apr.1972 18.Apr.1974				COL 01	.000	SAMSON	
380	F	WILD	WILD	??.???.1968	STOCKBRIDGE COLUMBIA	15.Apr.1972 18.Apr.1974		SJ0152		COL 02	.000	DAISEY MA	
381	F	WILD	WILD	??.???.1968	KINGS MILLS STOCKBRIDGE COLUMBIA	23.Nov.1988 15.Apr.1972 18.Apr.1974				COL 03	.000		
386	M	WILD	WILD	??.???.1970	TOLEDO MONROE	11.Nov.1988 24.Apr.1972				LOU 01	.000		
387	F	WILD	WILD	??.???.1970	MONROE	24.Apr.1972	141173			LOU 02	.000		
388	M	WILD	WILD	??.???.1960	EDMONTON HARBIN	??,???.1963 01.Jun.1983				EDM 01	.000	THOMBOTIN	
389	F	WILD	WILD	??.???.1960	EDMONTON HARBIN	??,???.1963 01.Jun.1983				EDM 02	.000	GEBUTUGA	
390	M	WILD	WILD	??.???.1969	KINGS MILLS JACKSONVILLE	??,???.1974 18.Dec.1975				JAX 03	.000	ARCHIE	
391	F	WILD	WILD	??.???.1969	KINGS MILLS JACKSONVILLE	??,???.1974 18.Dec.1975	350			JAX 04	.000	EDITH	
392	F	WILD	WILD	??.???.1971	KINGS MILLS JACKSONVILLE	??,???.1974 18.Dec.1975	348			JAX 05	.000	WAINKLES	

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397	F	WILD	WILD	??..???.1972	DOSWELL	02.Oct.1973				MEM 03	.000	TOMBI	
398	M	180	182	05.Nov.1976	MEMPHIS	16.Apr.1976	0271			STA 07	.000	BARNEBY	
409	F	52	148	02.Dec.1975	SAN ANTONIO	05.Nov.1976							
410	M	WILD	WILD	??..???.1970	GUATEMALA	14.Apr.1978			17.Jun.1979	CMH 01	.000	DINAHMITE	
411	M	WILD	WILD	??..???.1970	COLUMBUS	02.Dec.1975							
412	M	WILD	WILD	??..???.1971	GELSENKIRCHE	20.May.1979			16.Sep.1980	KIM 01	.000	TEENAGER	
413	M	WILD	WILD	??..???.1970	KINGS MILLS	25.Apr.1974				KIM 02	.000	STUMPY	
414	M	WILD	WILD	??..???.1969	IAE/FERNDALE	14.May.1980				KIM 03	.000	CURLY	
415	M	WILD	WILD	??..???.1970	KINGS MILLS	25.Apr.1974				KIM 04	.000	DARYLL	
416	F	WILD	WILD	??..???.1971	LEOFOO/TAIPE	06.Jun.1979							
417	F	WILD	WILD	??..???.1971	KINGS MILLS	25.Apr.1974	107			KIM 05	.000	OLD MAN	
418	F	WILD	WILD	??..???.1971	LEOFOO/TAIPE	06.Jun.1979	108			KIM 06	.000	ADOLPH	
419	M	WILD	WILD	??..???.1968	KINGS MILLS	25.Apr.1974	109			KIM 07	.000	CHARLIE	
420	M	WILD	WILD	??..???.1968	IAE/FERNDALE	14.May.1980			06.May.1983	KIM 08	.000	PRETTY GI	
421	M	WILD	WILD	??..???.1968	IAE/FERNDALE	14.May.1980				KIM 09	.000	PETTIE	
422	M	WILD	WILD	??..???.1968	IAE/FERNDALE	27.Oct.1983	011623			IAE 01	.000	RAHISI	
423	F	WILD	WILD	??..???.1968	IAE/FERNDALE	27.Oct.1983				IAE 02	.000		
424	F	WILD	WILD	??..???.1968	SDWAP	06.Jul.1988				IAE 03	.000		
					GUADALAHARA	06.Jul.1988				IAE 04	.000	ALI	
					IAE/FERNDALE	??..???.1971							
					IAE/FERNDALE	??..???.1971							
					TOLUCA	18.Nov.1979							
					IAE/FERNDALE	??..???.1971				IAE 05	.000		
					FUJIWARA	02.Nov.1979							
					IAE/FERNDALE	??..???.1971				IAE 06	.000	NO 3	
					LEOFOO/TAIPE	06.Jun.1979							

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housename	Comments
425	F	WILD	WILD	??..???.1968	IAE/FERNDALE DELAND	??..???.1971 26.Nov.1983				IAE 07	.000		
426	F	WILD	WILD	??..???.1968	IAE/FERNDALE FUJIWARA	??..???.1971 02.Nov.1979				IAE 08	.000		
427	F	WILD	WILD	??..???.1968	IAE/FERNDALE FUJIWARA	??..???.1971 02.Nov.1979				IAE 09	.000		
428	F	WILD	WILD	??..???.1968	IAE/FERNDALE FUJIWARA	??..???.1971 02.Nov.1979				IAE 10	.000		
429	F	WILD	WILD	??..???.1968	IAE/FERNDALE	??..???.1971				IAE 11	.000		
430	F	WILD	WILD	??..???.1968	IAE/FERNDALE TOLUCA	??..???.1971 18.Nov.1979			28.Nov.1979	IAE 12	.000		
431	F	WILD	WILD	??..???.1968	IAE/FERNDALE	??..???.1971				IAE 13	.000		
432	F	WILD	WILD	??..???.1968	IAE/FERNDALE TOLUCA	??..???.1971 05.Jul.1980				IAE 14	.000		
433	M	WILD	WILD	??..???.1968	IAE/FERNDALE	??..???.1971				IAE 15	.000		
434	F	WILD	WILD	??..???.1969	IAE/FERNDALE LEOFCO/TAIPE	??..???.1971 06.Jun.1979				IAE 16	.000	NO 4	
435	F	WILD	WILD	??..???.1969	IAE/FERNDALE NAGASAKI SAF PK	??..???.1971 05.Mar.1983				IAE 17	.000	LYNN	
436	F	WILD	WILD	??..???.1969	IAE/FERNDALE GUNMA	??..???.1971 17.Apr.1979				IAE 18	.000	SUE	
437	F	WILD	WILD	??..???.1969	IAE/FERNDALE SENDAI	??..???.1971 09.May.1982				IAE 19	.000	CYNTHIA	
438	F	WILD	WILD	??..???.1969	IAE/FERNDALE	??..???.1971			18.Nov.1983	IAE 20	.000		
439	F	WILD	WILD	??..???.1969	IAE/FERNDALE UNKNOWN	??..???.1971 06.Jun.1979				IAE 21	.000		
440	F	WILD	WILD	??..???.1969	IAE/FERNDALE UNKNOWN	??..???.1971 06.Jun.1979				IAE 22	.000		
441	F	WILD	WILD	??..???.1969	IAE/FERNDALE UNKNOWN	??..???.1971 06.Jun.1979				IAE 23	.000		
442	F	WILD	WILD	??..???.1969	IAE/FERNDALE UNKNOWN	??..???.1971 06.Jun.1979				IAE 24	.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current House name	Comments
443	F	WILD	WILD	??,???.1969	IAE/FERNDALE UNKNOWN	??,???.1971 06.Jun.1979				IAE 25	.000		
444	F	WILD	WILD	??,???.1969	IAE/FERNDALE J FUENTES/DO	??,???.1971 24.Feb.1977				IAE 26	.000		
445	F	WILD	WILD	??,???.1969	IAE/FERNDALE	??,???.1971			??,Jun.1977	IAE 27	.000		
446	F	WILD	WILD	??,???.1969	IAE/FERNDALE	??,???.1971			15.Dec.1977	IAE 28	.000		
447	F	WILD	WILD	??,???.1969	IAE/FERNDALE	??,???.1971			??,Jan.1978	IAE 29	.000		
450	M	WILD	WILD	??,???.1967	IAE/FERNDALE	??,???.1971			16.Oct.1981	IAE 30	.000		
451	F	WILD	WILD	??,???.1967	IAE/FERNDALE	??,???.1971			??,Nov.1978	IAE 31	.000		
452	F	WILD	WILD	??,???.1968	IAE/FERNDALE KNOXVILLE	??,???.1971 02.Nov.1976	142			IAE 32	.000	FOLLY	
453	F	WILD	WILD	??,???.1963	IAE/FERNDALE KNOXVILLE	??,???.1971 21.Feb.1976	141			IAE 33	.000	DOLLY	
454	M	UNK	UNK	10.Aug.1977	IAE/FERNDALE	10.Aug.1977			20.Feb.1978	IAE 34	.000		
455	M	UNK	UNK	18.Oct.1977	IAE/FERNDALE	18.Oct.1977			15.Mar.1978	IAE 35	.000		
456	F	UNK	UNK	12.Oct.1977	IAE/FERNDALE	12.Oct.1977			28.Oct.1977	IAE 36	.000		
463	M	WILD	WILD	??,???.1970	STOCKBRIDGE LITTLE ROCK	15.Apr.1972 12.Jun.1975	181			LTR 01	.000		
464	F	WILD	WILD	??,???.1970	STOCKBRIDGE LITTLE ROCK	15.Apr.1972 12.Jun.1975	182			LTR 02	.000		
465	M	WILD	WILD	??,???.1972	KINGS MILLS BATON ROUGE KNOXVILLE	??,???.1974 26.Oct.1974 16.May.1988	124			GER 01	.000	MONDO	
466	F	WILD	WILD	??,???.1972	KINGS MILLS BATON ROUGE	??,???.1974 26.Oct.1974	129			GER 02	.000	HATARI	
467	F	WILD	WILD	??,???.1972	KINGS MILLS BATON ROUGE	??,???.1974 26.Oct.1974	130			GER 03	.000	WAGASA	
468	M	52	153	01.May.1975	PHOENIX KUMAMOTO	01.May.1975 02.Apr.1979				PHX 03	.000	MWAMBA/TA	
469	M	WILD	WILD	??,???.1971	KINGS MILLS BIRMINGHAM	??,???.1974 24.Feb.1976	315			BGH 01	.000	RONNIE	
470	F	WILD	WILD	??,???.1971	KINGS MILLS BIRMINGHAM	??,???.1974 24.Feb.1976	316			BGH 02	.000	GERTRUDE	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
471	F	WILD	WILD	??..???.1971	KINGS MILLS BIRMINGHAM	??..???.1974 24.Feb.1976	317			BGH 03	.000	HORTENSE	
473	M	WILD	WILD	??..???.1969	STOCKBRIDGE JACKSON,MISS KNOXVILLE	15.Apr.1972 02.Sep.1974 01.Sep.1988	000219			JCK 01	.000	CHUCK	
474	F	WILD	WILD	??..???.1969	STOCKBRIDGE JACKSON,MISS	15.Apr.1972 02.Sep.1974	000220		23.Jun.1987	JCK 02	.000	BIG-B	
475	F	WILD	WILD	??..???.1969	STOCKBRIDGE JACKSON,MISS	15.Apr.1972 02.Sep.1974	000221			JCK 03	.000	LONGHORN	
477	M	WILD	WILD	??..Nov.1971	SANTO DOMINGO	11.May.1974				DOM 01	.000		
478	F	WILD	WILD	??..Nov.1971	SANTO DOMINGO	11.May.1974				DOM 02	.000		
479	M	WILD	WILD	??..Aug.1973	SANTO DOMINGO	11.May.1974				DOM 03	.000	GAMBI	
480	F	WILD	WILD	??..Aug.1973	SANTO DOMINGO	??..Aug.1973				DOM 04	.000		
481	M	UNK	UNK	30.Dec.1975	JACKSON,NJ PITTSBURGH	30.Dec.1975 11.Jul.1977	201			PIT 01	.000	DEANO	
482	F	UNK	UNK	25.Nov.1975	JACKSON,NJ PITTSBURGH	25.Nov.1975 11.Jul.1977	202			PIT 02	.000	KIDAGO	
483	M	WILD	WILD	??..???.1973	IAE/FERNDAL PUEBLA	??..???.1975 ??..???.1975				PUE 01	.000		
484	F	WILD	WILD	??..???.1970	IAE/FERNDAL PUEBLA	??..???.1975 ??..???.1975				PUE 02	.000		
529	M	52	277	03.Nov.1976	SDWAP PAT QUINN	03.Nov.1976 26.May.1978				SAW 36	.000		
533	F	390	391	05.Mar.1979	JACKSONVILLE	05.Mar.1979	1298			JAX 06	.000	GLORIA	
534	M	52	159	02.Sep.1977	SDWAP GANSERNDORF	02.Sep.1977 09.Jun.1979				SAW 37	.000	TONKA	
535	M	52	147	15.Oct.1977	SDWAP KAOHSIUNG	15.Oct.1977 03.Feb.1979				SAW 38	.000		
536	M	52	150	19.Oct.1977	SDWAP NAGASAKI BIO PK	19.Oct.1977 19.Mar.1983				SAW 39	.000	SAKE	
537	M	52	157	05.Nov.1977	SDWAP GUNMA	05.Nov.1977 17.Apr.1979				SAW 40	.000	RALPH	

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538	F	52	155	24.Nov.1977	SDWAP	24.Nov.1977				SAW 41	.000		
					KACHSIUNG	03.Feb.1979							
539	M	52	277	25.Apr.1978	SDWAP	25.Apr.1978				SAW 42	.000	ABE	
					GUNMA	17.Apr.1979							
540	F	52	150	04.Apr.1979	SDWAP	04.Apr.1979				SAW 43	.000		
					AUKLAND	06.Sep.1980							
541	M	52	154	05.May.1979	SDWAP	05.May.1979				SAW 44	.000		
					AUKLAND	06.Sep.1980							
542	F	52	157	14.Jun.1979	SDWAP	14.Jun.1979				SAW 45	.000	PRINCESS	
					SALT LAKE CITY	15.Dec.1980	02794						
543	M	52	147	06.Jul.1979	SDWAP	06.Jul.1979			??.???.1982	SAW 46	.000		
					IAE/FERNDALE	01.Jul.1981							
544	F	52	155	25.Jul.1979	SDWAP	25.Jul.1979			25.Sep.1981	SAW 47	.000		
					IAE/FERNDALE	01.Jul.1981							
545	M	52	UNK	10.May.1976	SDWAP	10.May.1976			11.Nov.1977	SAW 48	.000		
					SALT LAKE CITY	17.May.1977							
549	M	180	182	22.May.1979	SAN ANTONIO	22.May.1979			05.Dec.1980	STA 08	.000	SFRYOZHKA	
					MOSCOW	26.Oct.1979							
550	M	477	480	02.Oct.1979	SANTO DOMINGO	02.Oct.1979				DCM 05	.000	GAMBI	
558	M	WILD	WILD	??.???.1968	WPALM BEACH	??Jan.1972			28.Jul.1987	WPB 01	.000	CRATE-BUR	
559	M	WILD	WILD	??.???.1968	WPALM BEACH	??Jan.1972	14			WPB 02	.000	NO.2/BUCK	
560	M	WILD	WILD	??.???.1968	WPALM BEACH	??Jan.1972				WPB 03	.000	NO. 3	
					CLIFTON	04.Jul.1981							
561	M	WILD	WILD	??.???.1968	WPALM BEACH	??Jan.1972			05.Dec.1987	WPB 04	.000	NO. 4	
562	M	WILD	WILD	??.???.1967	WPALM BEACH	??Jan.1972			11.Jul.1981	WPB 05	.000	NO. 5	
563	F	WILD	WILD	??.???.1966	WPALM BEACH	??Jan.1972	17			WPB 06	.000	ALICE	
564	F	WILD	WILD	??.???.1966	WPALM BEACH	??Jan.1972			02.Oct.1980	WPB 07	.000	CLIC-CLIC	
565	F	WILD	WILD	??.???.1968	WPALM BEACH	??Jan.1972				WPB 08	.000	NO. 3	
					HUDSON	13.Jul.1981							
					ASHEBORO	21.Nov.1987	942						
566	F	WILD	WILD	??.???.1968	WPALM BEACH	??Jan.1972	12			WPB 09	.000	NO.4/AGGI	
567	F	WILD	WILD	??.???.1968	WPALM BEACH	??Jan.1972				WPB 10	.000	NO. 5	
					CLIFTON	04.Jul.1981							

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
568	F	WILD	WILD	??,???.1968	WPALM BEACH	??,Jan.1972			02.Nov.1984	WPB 11	.000	NO. 6	
569	F	WILD	WILD	??,???.1968	WPALM BEACH	??,Jan.1972	22			WPB 12	.000	NO. 7	
570	F	WILD	WILD	??,???.1968	WPALM BEACH CLIFTON	??,Jan.1972 04,Jul.1981				WPB 13	.000	NO. 8	
573	M	WILD	WILD	??,???.1970	ST LOUIS ASHEBORO	12,Aug.1974 30,Sep.1976	59			NCL 01	.000	TED	
574	F	WILD	WILD	??,???.1970	ST LOUIS ASHEBORO	12,Aug.1974 30,Sep.1976	60			NCL 02	.000	ALICE	
575	F	573	574	19,Aug.1977	ASHEBORO KNOXVILLE	19,Aug.1977 09,Nov.1988				NCL 03	.000		
579	F	WILD	WILD	??,???.1972	KINGS MILLS NEW ORLEANS	25,Apr.1974 13,Dec.1974	052			NOL 01	.000	HARRIOTT	
580	M	WILD	WILD	??,???.1972	KINGS MILLS NEW ORLEANS	25,Apr.1974 13,Dec.1974	053			NOL 02	.000	POINDEXTE	
582	F	UNK	218	13,Oct.1979	TORONTO	13,Oct.1979	12159			ONT 01	.000	SHABCOLA	
583	F	180	181	26,Jan.1980	SAN ANTONIO SCHWERIN	26,Jan.1980 22,Dec.1980				STA 09	.000	NOLA	
584	F	UNK	UNK	15,Sep.1979	IAE/FERNDALE	15,Sep.1979			14,Jul.1980	IAE 37	.000		
587	F	WILD	WILD	??,???.1970	STOCKBRIDGE PHILADELPHIA KNOXVILLE	15,Apr.1972 22,Oct.1976 25,Nov.1988	100486			PHL 01	.000	AMY	
588	M	618	452	01,Dec.1979	KNOXVILLE WINGST	01,Dec.1979 10,Jul.1980			11,Jul.1980	KNO 01	.000	PATRICK	
589	M	413	418	11,Dec.1979	KINGS MILLS SCHWERIN	11,Dec.1979 22,Dec.1980				KIM 10	.000	WILLIE	
590	F	413	416	05,Sep.1980	KINGS MILLS LA PLATA	05,Sep.1980 24,Jul.1981				KIM 11	.000		
599	F	52	156	04,Sep.1977	SDWAP VANCOUVER	04,Sep.1977 26,Jul.1986				SAW 74	.000	DAISY MAE	
600	M	70	106	21,Sep.1980	WHIPNADE WERRIBEE	21,Sep.1980 19,Oct.1981				WHI 39	.000	LEE	
610	M	562	570	29,Sep.1979	WPALM BEACH	29,Sep.1979	24			WPB 14	.000	GEORGE	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
611	M	UNK	UNK	30.Aug.1979	WPALM BEACH ELMOND	30.Aug.1979 10.Nov.1982				WPB 15	.000	JACK	
612	F	562	566	06.May.1979	WPALM BEACH	06.May.1979	10			WPB 16	.000	MOILI	
613	F	UNK	563	23.Dec.1979	WPALM BEACH	23.Dec.1979				WPB 17	.000	LISA	
614	F	70	102	06.Nov.1980	MITCHELLVILLE WHIPSDADE WERRIBEE	??..???.1982 06.Nov.1980 19.Oct.1981				WHI 40	.000	ALEXANDRA	
615	F	WILD	WILD	??..???.1970	JACKSONVILLE JACKSON,NJ				??..???.????	JAX 07	.000		
616	M	WILD	WILD	??..???.1970	JACKSONVILLE JACKSON,NJ					JAX 08	.000		
618	M	WILD	WILD	??..Aug.1971	KNOXVILLE BATON ROUGE	15.Aug.1974 16.May.1988				KNO 02	.000	MARVIN	
619	F	WILD	WILD	??..Aug.1971	KNOXVILLE	15.Aug.1974	144			KNO 03	.000	MILLEY	
620	F	WILD	WILD	??..Aug.1971	KNOXVILLE BROWNSVILLE	15.Aug.1974 18.May.1988				KNO 04	.000	TILLEY	
621	M	618	620	09.Apr.1978	KNOXVILLE IAE/FERNDALE	09.Apr.1978 16.May.1979			07.Aug.1979	KNO 05	.000	LITTLE MA	
622	M	618	620	01.Dec.1979	KNOXVILLE IAE/FERNDALE	01.Dec.1979 ??..???.1980				KNO 06	.000	HOWIE	
623	F	618	452	02.Sep.1980	KNOXVILLE IAE/FERNDALE	02.Sep.1980 21.Jun.1982				KNO 07	.000	PJ	
624	F	562	565	11.Dec.1980	WPALM BEACH	11.Dec.1980	27			WPB 18	.000		
625	M	562	568	25.Feb.1981	WPALM BEACH	25.Feb.1981	28			WPB 19	.000		
626	F	618	453	19.Jan.1981	KNOXVILLE HAINES CITY	19.Jan.1981 07.Sep.1981				KNO 08	.000	FREEDOM	
627	M	40	397	03.Mar.1981	GELSENKIRCHEN MEMPHIS	??..Sep.1905 03.Mar.1981				MEM 04	.000	LESTIZLER	
631	M	WILD	WILD	??..???.1970	DOSWELL CENTER HILL	02.Oct.1973 27.Apr.1977				CNH 01	.000	RF 1	
632	F	WILD	WILD	??..???.1970	DOSWELL PUERTO RICO	02.Oct.1973 ??..???.1983				CNH 02	.000	RF 2	
633	M	631	632	27.May.1979	CENTER HILL	27.May.1979			??..???.1982	CNH 03	.000	RF 3	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housename	Comments
634	M	WILD	WILD	???.???.1974	MORELIA	15.Sep.1977				MOR 01	.000	ROBERTO	
635	F	WILD	WILD	???.???.1971	MORELIA	23.Oct.1978				MOR 02	.000	ZENAIDA	
636	F	UNK	635	19.Oct.1979	MORELIA	19.Oct.1979				MOR 03	.000	TAYDE	
					MEXICO CITY	03.Mar.1985							
637	F	WILD	WILD	???.???.1970	DOSWELL	02.Oct.1973				BAR 01	.000		
					BARQUISIMENTO	01.Jul.1978							
638	M	WILD	WILD	???.???.1970	DOSWELL	02.Oct.1973				BAR 02	.000		
					BARQUISIMENTO	01.Jul.1978							
639	F	UNK	566	10.May.1981	WPALM BEACH	10.May.1981			22.Feb.1983	WPB 20	.000		
646	F	UNK	53	06.May.1976	PUEBLA	06.May.1976				PUE 03	.000	BEKY	
647	M	52	277	22.Apr.1980	SDWAP	22.Apr.1980	103730		25.Sep.1981	SAW 49	.000		
648	F	52	157	11.Nov.1980	SDWAP	11.Nov.1980				SAW 50	.000		
					LA HABANA	21.Oct.1981							
649	F	52	150	12.Nov.1980	SDWAP	12.Nov.1980				SAW 51	.000		
					ERFURT	25.Feb.1982							
650	F	WILD	WILD	???.???.1968	SAN DIEGO ZOO	18.Sep.1971				SAN 06	.000		
					MITCHELLVILLE	28.Sep.1973							
655	F	UNK	UNK	17.Jun.1977	LAGUNA HILLS	17.Jun.1977				LAG 16	.000		
					AMARILLO	???.???.1985							
656	F	UNK	UNK	01.Oct.1977	LAGUNA HILLS	01.Oct.1977			???.???.1985	LAG 17	.000		
					AMARILLO	???.???.1985							
657	M	UNK	UNK	18.Jan.1978	LAGUNA HILLS	18.Jan.1978			25.Jan.1978	LAG 18	.000		
658	F	UNK	UNK	03.May.1978	HUDSON	???.May.1978			03.May.1978	LAG 19	.000		
					LAGUNA HILLS	03.May.1978							
659	M	UNK	UNK	14.Aug.1978	LAGUNA HILLS	14.Aug.1978			???.???.1985	LAG 20	.000		
					AMARILLO	???.???.1985							
660	F	UNK	UNK	30.Sep.1978	LAGUNA HILLS	30.Sep.1978			???.Apr.1979	LAG 21	.000		
					TAIPEI	???.Apr.1979							
661	M	UNK	UNK	04.Apr.1979	LAGUNA HILLS	04.Apr.1979			04.Apr.1979	LAG 22	.000		
662	M	UNK	UNK	03.Sep.1980	LAGUNA HILLS	03.Sep.1980				LAG 23	.000		
					LA PLATA	24.Jul.1981							
663	F	UNK	UNK	22.May.1981	LAGUNA HILLS	22.May.1981				LAG 24	.000		
					AMARILLO	???.???.1985							

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
664	M	UNK	UNK	09.Jun.1981	LAGUNA HILLS BORDI ZOO	09.Jun.1981 02.Mar.1984				LAG 25	.000		
666	M	52	155	20.Jan.1981	SDWAP	20.Jan.1981	681025		20.Jan.1981	SAW 52	.000		
667	F	52	159	03.Mar.1981	SDWAP	03.Mar.1981				SAW 53	.000		
668	M	52	147	22.May.1981	TAIYUAN SDWAP	17.Apr.1982 22.May.1981				SAW 54	.000		
676	M	618	620	31.Dec.1981	TAIYUAN KNOXVILLE	17.Apr.1982 31.Dec.1981				KNO 09	.000	SHERMAN	
677	M	UNK	UNK	23.Mar.1977	HALLE JACKSON,NJ	06.Mar.1984 23.Mar.1977				KOI 01	.000		
678	M	WILD	WILD	??.???.1969	FUJIWARA IAE/FERNDALE	25.Oct.1979 09.Oct.1978				KOI 02	.000	SPOOK	
679	M	WILD	WILD	??.???.1969	FUJIWARA IAE/FERNDALE	25.Oct.1979 09.Oct.1978				KOI 03	.000		
680	M	WILD	WILD	??.???.1969	FUJIWARA IAE/FERNDALE	25.Oct.1979 09.Oct.1978				KOI 04	.000	SCARFACE	
681	M	WILD	WILD	??.???.1969	FUJIWARA IAE/FERNDALE	25.Oct.1979 09.Oct.1978				KOI 05	.000	THUMPER	
682	M	UNK	UNK	02.Mar.1978	FUJIWARA JACKSON,NJ	25.Oct.1979 02.Mar.1978				KOI 06	.000	SIX FLAGS	
683	M	UNK	UNK	25.Nov.1977	FUJIWARA JACKSON,NJ	25.Oct.1979 25.Nov.1977				KOI 07	.000		
685	M	562	563	26.Apr.1982	WPALM BEACH	26.Apr.1982	30			WPB 21	.000		
686	F	WILD	WILD	??.???.1972	KINGS MILLS NORFOLK	25.Apr.1974 05.Jun.1974	172002			NOR 01	.000	JESSE	
687	M	WILD	WILD	??.???.1972	KINGS MILLS NORFOLK	25.Apr.1974 05.Jun.1974	172000			NOR 02	.000	RUFUS	
688	M	52	155	06.Jul.1982	SDWAP MEDELLIN	06.Jul.1982 27.Dec.1983				SAW 55	.000		
689	M	52	157	17.Jul.1982	SDWAP	17.Jul.1982	682447		17.Jul.1982	SAW 56	.000		
690	F	UNK	UNK	28.Oct.1976	JACKSON,NJ TAIPEI	28.Oct.1976 06.Jun.1979				GRA 01	.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
691	F	420	UNK	01.Nov.1980	IAE/FERNDALE TULSA	01.Nov.1980 03.Nov.1982	5592			IAE 38	.000	BONNIE	
692	F	UNK	UNK	03.Oct.1980	JACKSON,NJ MEDELLIN	03.Oct.1980 23.Sep.1982				GRA 02	.000	OLGA	
693	F	UNK	UNK	17.Mar.1980	JACKSON,NJ TULSA	17.Mar.1980 03.Nov.1982	5591			GRA 03	.000	JEANNIE	
694	M	UNK	UNK	12.Sep.1979	JACKSON,NJ IAE/FERNDALE	12.Sep.1979 16.Jul.1981			16.Oct.1981	GRA 04	.000	DOC	
695	F	WILD	WILD	??.???.1969	IAE/FERNDALE	09.Oct.1978			??..Sep.1980	GRA 05	.000	SHORTY	
696	F	WILD	WILD	??.???.1968	IAE/FERNDALE MADISON	22.Jul.1975 06.Jul.1976	643			STO 01	.000		
697	M	WILD	WILD	??.???.1968	IAE/FERNDALE MADISON	22.Jul.1975 06.Jul.1976	642			STO 02	.000		
698	F	420	425	23.Nov.1980	IAE/FERNDALE MIAMI	23.Nov.1980 15.Jun.1981				IAE 39	.000		
699	F	420	438	02.Dec.1980	IAE/FERNDALE MIAMI	02.Dec.1980 15.Jun.1981				IAE 40	.000		
700	F	34	153	14.Apr.1981	PHOENIX IAE/FERNDALE	14.Apr.1981 30.Jun.1982				PHX 04	.000	MOLLY	
701	M	52	277	16.Nov.1981	SDWAP BORDI ZOO	16.Nov.1981 25.Jan.1984				SAW 57	.000		
702	M	560	UNK	26.Nov.1981	CLIFTON	26.Nov.1981			13.Jan.1982	CLI 01	.000		
703	F	560	567	24.Nov.1981	CLIFTON	24.Nov.1981				CLI 02	.000		
704	F	WILD	WILD	??.???.1974	IAE/FERNDALE KUMAMOTO	??..Nov.1976 02.Apr.1979				KOY 09	.000	SACHIKO	
706	M	562	565	23.Nov.1981	HUDSON TATUM	23.Nov.1981 05.Sep.1982				HUD 01	.000		
707	M	WILD	WILD	??..Jan.1973	DARBY DAN JACKSON,MISS		000876			JCK 04	.000	FRANKLIN	
718	M	UNK	UNK	13.Apr.1981	JACKSON,NJ TULSA	13.Apr.1981 03.Nov.1982	5590			GRA 06	.000	BUZBIE	
719	M	UNK	UNK	21.Aug.1979	JACKSON,NJ IAE/FERNDALE	21.Aug.1979 21.Oct.1982				GRA 07	.000	SONNY	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
720	M	UNK	UNK	14.Nov.1979	JACKSON,NJ	14.Nov.1979				GRA 08	.000	EUGENE	
					IAE/FERNDALE	21.Oct.1982							
721	F	433	431	14.Aug.1982	IAE/FERNDALE	14.Aug.1982				IAE 41	.000		
722	F	433	425	13.Aug.1982	IAE/FERNDALE	13.Aug.1982				IAE 42	.000		
723	F	433	429	30.Aug.1982	IAE/FERNDALE	30.Aug.1982			22.Feb.1984	IAE 43	.000		
748	M	UNK	218	26.Nov.1982	TORONTO	26.Nov.1982				ONT 02	.000	YEKISAMGA	
					GRANBY	22.Apr.1987							
750	F	WILD	WILD	??,???.1969	DOSWELL	03.Oct.1973	026			DOS 01	.000	LUCY	
751	F	WILD	WILD	??,???.1969	DOSWELL	03.Oct.1973	037			DOS 02	.000	BUMPER	
752	F	WILD	WILD	??,???.1969	DOSWELL	03.Oct.1973			13.Sep.1981	DOS 03	.000	SALLY	
753	M	WILD	WILD	??,???.1969	DOSWELL	03.Oct.1973	021			DOS 04	.000	ALFRED	
754	M	WILD	WILD	??,???.1969	DOSWELL	03.Oct.1973	022			DOS 05	.000	RUFUS	
755	M	754	752	10.Jun.1979	DOSWELL	10.Jun.1979	750			DOS 06	.000	MILTON	
756	F	754	751	28.Aug.1979	DOSWELL	28.Aug.1979			24.Mar.1983	DOS 07	.000	STORMY	
757	F	WILD	WILD	??,???.1970	DOSWELL	02.Oct.1973				DOS 08	.000	RUBBIE	
					VANCOUVER	??,May.1979							
758	M	WILD	WILD	??,???.1970	DOSWELL	02.Oct.1973				DOS 09	.000		
					VANCOUVER	??,May.1979							
759	M	WILD	WILD	??,???.1970	DOSWELL	02.Oct.1973				DOS 10	.000		
					PENTICTON	12.May.1976							
763	M	202	182	04.Oct.1982	SAN ANTONIO	04.Oct.1982				STA 10	.000		
					GLEASON	05.Nov.1984							
771	M	40	397	04.Apr.1983	MEMPHIS	04.Apr.1983	5173		04.Apr.1983	MEM 05	.000		
772	F	618	453	03.Mar.1983	KNOXVILLE	03.Mar.1983				IAE 44	.000	DAFFODIL	
					LOUISVILLE	23.May.1985	100906						
773	F	52	159	24.Oct.1982	SDWAP	24.Oct.1982				SAW 58	.000		
					WINGST	??,Sep.1983							
774	F	52	154	04.Jan.1983	SDWAP	04.Jan.1983			29.May.1984	SAW 59	.000		
					MIAMI METRO	02.Mar.1984							
775	M	52	277	14.May.1983	SDWAP	14.May.1983				SAW 60	.000		
					TATUM	15.Nov.1983							
781	M	UNK	568	16.Jun.1983	WPALM BEACH	16.Jun.1983			04.Aug.1983	WPB 22	.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
782	M	UNK	563	23.Apr.1983	WPALM BEACH	23.Apr.1983				WPB 23	.000		
					SARASOTA	05.Oct.1985							
783	M	52	150	05.Nov.1982	SDWAP	05.Nov.1982				SAW 61	.000		
					SAN DIEGO ZOO	11.Jun.1986							
784	F	52	147	31.Dec.1982	SDWAP	31.Dec.1982				SAW 62	.000		
					MIAMI METRO	25.Jan.1984							
788	F	52	157	22.Dec.1983	SDWAP	22.Dec.1983				SAW 63	.000		
790	M	618	452	03.Jan.1984	KNOXVILLE	03.Jan.1984				KNO 10	.000	KYLE	
					CLEVELAND	23.May.1985	850503						
791	F	618	620	11.Jan.1984	KNOXVILLE	11.Jan.1984				KNO 11	.000	PLADED0	
					LOUISVILLE	23.May.1985	100905						
792	?	UNK	568	11.Feb.1984	WPALM BEACH	11.Feb.1984			11.Feb.1984	WPB 24	.000		
793	F	618	453	01.Jun.1979	KNOXVILLE	01.Jun.1979			01.Jun.1979	KNO 12	.000		
795	M	40	397	31.Mar.1984	MEMPHIS	31.Mar.1984	6044		31.Mar.1984	MEM 06	.000		
798	F	UNK	563	04.Aug.1984	WPALM BEACH	04.Aug.1984				WPB 25	.000		
					WINGST	12.Apr.1985							
801	M	195	342	17.Jul.1983	DUBBO	17.Jul.1983				WEP 02	.000	NYASA	
808	M	559	566	23.Dec.1984	WPALM BEACH	23.Dec.1984				WPB 26	.000		
					CATSKILL	23.Jun.1986							
809	F	390	391	15.Jan.1985	JACKSONVILLE	15.Jan.1985				JAX 09	.000		
					GELSENKIRCHEN	11.Oct.1985							
818	F	433	429	04.Nov.1984	IAE/FRNDALE	04.Nov.1984				IAE 45	.000		
819	F	52	155	24.Jun.1984	SDWAP	24.Jun.1984	026210			SAW 67	.000	DUMISHA	
820	F	52	159	08.Jul.1984	SDWAP	08.Jul.1984				SAW 68	.000		
					WELLINGTON	25.Apr.1986							
821	F	52	147	29.Jul.1984	SDWAP	29.Jul.1984				SAW 69	.000		
					WELLINGTON	25.Apr.1986							
822	F	52	150	28.Aug.1984	SDWAP	28.Aug.1984	026342			SAW 70	.000	SINYAA	
823	M	52	277	06.Dec.1984	SDWAP	06.Dec.1984				SAW 71	.000		
					WELLINGTON	25.Apr.1986							
824	F	52	154	24.Jan.1985	SDWAP	24.Jan.1985			03.Nov.1987	SAW 72	.000	MWILILJOG	
825	F	52	156	06.Apr.1985	SDWAP	06.Apr.1985			27.Nov.1988	SAW 73	.000	MGUUKUBWA	
					HONOLULU	29.Oct.1986	860276						

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
826	M	143	218	27.Feb.1985	TORONTO	27.Feb.1985				ONT 03	.000		
					GELSENKIRCHEN	28.Aug.1985							
827	M	618	620	13.Aug.1985	KNOXVILLE	13.Aug.1985				KNO 13	.000		
					GELSENKIRCHEN	12.Jul.1986							
831	F	180	182	09.Jun.1985	SAN ANTONIO	09.Jun.1985				STA 11	.000		
					GELSENKIRCHEN	27.Jun.1986							
832	M	34	153	23.Dec.1983	PHOENIX	23.Dec.1983			15.Sep.1985	PHX 05	.000	KHISHIMUS	
					IAE/FERNDALE	05.Apr.1985							
839	M	34	153	13.Dec.1985	PHOENIX	13.Dec.1985			13.Dec.1985	PHX 06	.000		
841	M	420	599	21.Jul.1985	SDWAP	21.Jul.1985				SAW 75	.000	SITINI	
					HONOLULU	29.Oct.1986	860275						
842	F	40	397	16.Sep.1985	MEMPHIS	16.Sep.1985				MEM 07	.000	KARLA	
					CLEVELAND	06.Jun.1986	860603						
843	M	420	157	02.Aug.1985	SDWAP	02.Aug.1985				SAW 76	.000		
					RUHR	21.Apr.1987							
851	F	618	453	06.Aug.1986	KNOXVILLE	06.Aug.1986				KNO 14	.000		
					IAE/FERNDALE	02.Mar.1987							
857	M	558	563	24.Oct.1986	WPALM BEACH	24.Oct.1986				WPB 27	.000		
					H. HAMPTON	15.Oct.1987							
858	M	558	566	13.Dec.1986	WPALM BEACH	13.Dec.1986	57			WPB 28	.000	BAM-BAM	
860	M	420	147	07.Apr.1986	SDWAP	07.Apr.1986	005361			SAW 77	.000	MDCMO	
861	M	420	155	11.May.1986	SDWAP	11.May.1986	005486			SAW 78	.000	DAMU	
862	M	420	277	06.Jul.1986	SDWAP	06.Jul.1986				SAW 79	.000		
					RUHR	21.Apr.1987							
863	F	420	154	09.Aug.1986	SDWAP	09.Aug.1986				SAW 80	.000	MSICHANA	
					GELSENKIRCHEN	10.Aug.1988							
864	M	420	159	23.Sep.1986	SDWAP	23.Sep.1986	037621			SAW 81	.000	UZAO	
876	M	50	51	25.Nov.1986	LLANO	25.Nov.1986				LLA 01	.000		
					LOUISVILLE	02.Dec.1988							
877	F	420	150	23.Apr.1986	SDWAP	23.Apr.1986	005391		24.Apr.1986	SAW 82	.000	SOKSI	
878	F	390	533	14.Aug.1986	JACKSONVILLE	14.Aug.1986			25.Aug.1986	JAX 10	.000		
879	M	390	533	18.Mar.1985	JACKSONVILLE	18.Mar.1985			18.Mar.1985	JAX 11	.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housename	Comments
882	F	618	452	08.Oct.1986	KNOXVILLE	08.Oct.1986				KNO 15	.000	BECK	
898	M	34	153	14.Jul.1987	FERNDALE	26.Nov.1988							
900	M	UNK	UNK	??.???.1984	PHOENIX	14.Jul.1987	5077			PHX 07	.000	OLLIE	
					LAGUNA HILLS	??.???.1984				LAG 26	.000	CECIL	
					LOUISVILLE	??..Jun.1986							
					FORT WORTH	15.Dec.1988							
901	F	UNK	UNK	??.???.1984	LAGUNA HILLS	??.???.1984				LAG 27	.000	KATRINA	
					CLEVELAND	??..Jun.1986							
					FORT WORTH	15.Dec.1988							
9020	M	618	620	20.Feb.1987	KNOXVILLE	20.Feb.1987			21.Feb.1987		.000		
9021	M	390	391	23.Jan.1987	JACKSONVILLE	23.Jan.1987	2733			JAX 07	.000	CYRANO	
9022	F	707	474	23.Jun.1987	JACKSON,MISS	23.Jun.1987			23.Jun.1987		.000		
9027	M	420	156	22.May.1987	SDWAP	22.May.1987	687308		24.Jun.1988		.000	MANZILI	
9028	M	420	155	05.Jan.1988	SDWAP	05.Jan.1988	688003				.000		
					VALLEJO	01.Mar.1988							
9029	M	40	397	23.Oct.1987	MEMPHIS	23.Oct.1987	9277				.000		
9030	F	40	397	04.Sep.1979	MEMPHIS	04.Sep.1979	2223		05.Sep.1979		.000		
9031	F	420	277	26.Jan.1988	SDWAP	26.Jan.1988					.000		
					GELSENKIRCHEN	04.Nov.1988							
9032	M	420	147	15.Feb.1988	SDWAP	15.Feb.1988					.000		
					GELSENKIRCHEN	04.Nov.1988							
9033	M	390	533	21.Mar.1988	JACKSONVILLE	21.Mar.1988					.000		
9034	F	420	157	05.Jul.1988	SDWAP	05.Jul.1988					.000		
9035	F	420	159	04.Aug.1988	SDWAP	04.Aug.1988					.000		
9036	F	420	154	13.Oct.1988	SDWAP	13.Oct.1988					.000	MWIVI	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
898	M	34	153	14.Jul.1987	PHOENIX	14.Jul.1987	5077			PHX 07	.000	OLLIE	
9020	M	618	620	20.Feb.1987	KNOXVILLE	20.Feb.1987			21.Feb.1987		.000		
9021	M	390	391	23.Jan.1987	JACKSONVILLE	23.Jan.1987	2733			JAX 07	.000	CYRANO	
9022	F	707	474	23.Jun.1987	JACKSON,MISS	23.Jun.1987			23.Jun.1987		.000		
9027	M	420	156	22.May.1987	SDWAP	22.May.1987	687308		24.Jun.1988		.000	MANZILI	
9029	M	40	397	23.Oct.1987	MEMPHIS	23.Oct.1987	9277				.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
9028	M	420	155	05.Jan.1988	SDWAP VALLEJO	05.Jan.1988 01.Mar.1988	688003				.000		
9031	F	420	277	26.Jan.1988	SDWAP GELSENKIRCHEN	26.Jan.1988 04.Nov.1988					.000		
9032	M	420	147	15.Feb.1988	SDWAP GELSENKIRCHEN	15.Feb.1988 04.Nov.1988					.000		
9033	M	390	533	21.Mar.1988	JACKSONVILLE	21.Mar.1988					.000		
9034	F	420	157	05.Jul.1988	SDWAP	05.Jul.1988					.000		
9035	F	420	159	04.Aug.1988	SDWAP	04.Aug.1988					.000		
9036	F	420	154	13.Oct.1988	SDWAP	13.Oct.1988					.000	MWIVI	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
46	M	WILD	WILD	??,???.1963	CALGARY	14.May.1966	100545		17.Dec.1987	YYC 01	.000	DUNCAN	
49	F	WILD	WILD	??,???.1961	SAN FRANCISCO	26.Nov.1963			06.Nov.1987	SFO 02	.000	MABUHGYN	
					SDWAP	23.Apr.1987							
					WINSTON	03.Nov.1987							
282	F	52	147	13.Jul.1974	SDWAP	13.Jul.1974			01.Apr.1987	SAW 25	.000	JILL	
					WINSTON	26.Jun.1975	006752						
474	F	WILD	WILD	??,???.1969	STOCKBRIDGE	15.Apr.1972			23.Jun.1987	JCK 02	.000	BIG-B	
					JACKSON,MISS	02.Sep.1974	000220						
558	M	WILD	WILD	??,???.1968	WPALM BEACH	??,Jan.1972			28.Jul.1987	WPB 01	.000	CRATE-BUR	
561	M	WILD	WILD	??,???.1968	WPALM BEACH	??,Jan.1972			05.Dec.1987	WPB 04	.000	NO. 4	
824	F	52	154	24.Jan.1985	SDWAP	24.Jan.1985			03.Nov.1987	SAW 72	.000	MWILLIJOG	
9020	M	618	620	20.Feb.1987	KNOXVILLE	20.Feb.1987			21.Feb.1987		.000		
9022	F	707	474	23.Jun.1987	JACKSON,MISS	23.Jun.1987			23.Jun.1987		.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housename	Comments
155	F	WILD	WILD	??..???.1963	SDWAP	17.Feb.1971	100263		14.Jan.1988	SAW 14	.000	DABULA	
825	F	52	156	06.Apr.1985	SDWAP	06.Apr.1985			27.Nov.1988	SAW 73	.000	MGUUKUBWA	
					HONOLULU	29.Oct.1986	860276						
9027	M	420	156	22.May.1987	SDWAP	22.May.1987	687308		24.Jun.1988		.000	MANZILI	

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current House name	Comments
29	M	WILD	WILD	??..???.1959	BROOKFIELD WINSTON	??..Sep.1962 ??..Jun.1988				CHI 01	.000	MASHUARA	
30	F	WILD	WILD	??..???.1960	BROOKFIELD WINSTON	??..Sep.1962 ??..Jun.1988				CHI 02	.000	NEVA	
31	M	WILD	WILD	??..???.1958	MILWAUKEE FOSSIL RIM	30..Aug.1962 15..Dec.1988				MKE 01	.000	MITONDO	
81	F	WILD	WILD	??..???.1964	LOUISVILLE KINGS MILLS COLUMBUS	15..Nov.1967 11..Feb.1985 15..Jul.1988	822			SDF 02	.000	LUANA	
178	F	WILD	WILD	??..???.1968	TOLEDO WHITE OAK TOLEDO	22..Sep.1970 21..Jun.1984 21..Dec.1988		8452		TOL 02	.000	BERNADINE	
213	M	52	152	19..Dec.1972	SAN DIEGO ZOO TORONTO CALGARY	19..Dec.1972 08..Aug.1974 23..Sep.1988	4313			SAN 05	.000		
219	F	52	153	08..May.1973	SDWAP PHILADELPHIA FOSSILL RIM	08..May.1973 04..May.1974 28..Nov.1988	100251			SAW 20	.000	HENRIETTA	
220	M	52	154	28..Jun.1973	SDWAP PHILADELPHIA TOLEDO	28..Jun.1973 04..May.1974 15..Nov.1988	100250			SAW 21	.000		
336	M	WILD	WILD	??..???.1966	REDWOOD CITY VALLEJO	01..May.1972 01..Jan.1988	1022			RWC 01	.000	POP	
337	F	WILD	WILD	??..???.1966	REDWOOD CITY VALLEJO	01..May.1972 01..Jan.1988	1023			RWC 02	.000	MOM	
380	F	WILD	WILD	??..???.1968	STOCKBRIDGE COLUMBIA KINGS MILLS	15..Apr.1972 18..Apr.1974 23..Nov.1988	SJ0153			COL 02	.000	DAISEY MA	
381	F	WILD	WILD	??..???.1968	STOCKBRIDGE COLUMBIA TOLEDO	15..Apr.1972 18..Apr.1974 11..Nov.1988	SJ0154			COL 03	.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housetname	Comments
420	M	WILD	WILD	??..???.1968	IAE/FERNDALE SDWAP	??..???.1971 27.Oct.1983	011623			IAE 02	.000	RAHISI	
465	M	WILD	WILD	??..???.1972	GUADALAHARA KINGS MILLS BATON ROUGE KNOXVILLE	06.Jul.1988 ??..???.1974 26.Oct.1974 16.May.1988	124			GBR 01	.000	MONDO	
473	M	WILD	WILD	??..???.1969	STOCKBRIDGE JACKSON,MISS KNOXVILLE	15.Apr.1972 02.Sep.1974 01.Sep.1988	000219			JCK 01	.000	CHUCK	
575	F	573	574	19.Aug.1977	ASHEBORO KNOXVILLE	19.Aug.1977 09.Nov.1988				NCL 03	.000		
587	F	WILD	WILD	??..???.1970	STOCKBRIDGE PHILADELPHIA KNOXVILLE	15.Apr.1972 22.Oct.1976 25.Nov.1988	100486			PHL 01	.000	AMY	
618	M	WILD	WILD	??..Aug.1971	KNOXVILLE BATON ROUGE	15.Aug.1974 16.May.1988				KNO 02	.000	MARVIN	
620	F	WILD	WILD	??..Aug.1971	KNOXVILLE BROWNSVILLE	15.Aug.1974 18.May.1988				KNO 04	.000	TILLEY	
863	F	420	154	09.Aug.1986	SDWAP GELSENKIRCHEN	09.Aug.1986 10.Aug.1988				SAW 80	.000	MSICHANA	
876	M	50	51	25.Nov.1986	LLANO LOUISVILLE	25.Nov.1986 02.Dec.1988				LLA 01	.000		
882	F	618	452	08.Oct.1986	KNOXVILLE FERNDALE	08.Oct.1986 26.Nov.1988				KNO 15	.000	BECK	
900	M	UNK	UNK	??..???.1984	LAGUNA HILLS LOUISVILLE FORT WORTH	??..???.1984 ??..Jun.1986 15.Dec.1988				LAG 26	.000	CECIL	
901	F	UNK	UNK	??..???.1984	LAGUNA HILLS CLEVELAND FORT WORTH	??..???.1984 ??..Jun.1986 15.Dec.1988				LAG 27	.000	KATRINA	
9028	M	420	155	05.Jan.1988	SDWAP VALLEJO	05.Jan.1988 01..Mar.1988	688003				.000		

Studbook Number	Sex	Sire #	Dam #	Date of Birth	Location(s)	Date of arrival	ISIS #	Tattoo or Tag	Date of Death	Breeder Number	Inbr. Coeff.	Current Housename	Comments
9031	F	420	277	26.Jan.1988	SDWAP GELSENKIRCHEN	26.Jan.1988 04.Nov.1988					.000		
9032	M	420	147	15.Feb.1988	SDWAP GELSENKIRCHEN	15.Feb.1988 04.Nov.1988					.000		

INTRODUCTION

The White Rhino SSP, initiated in 1984, has progressed steadily toward its basic goal of establishing a self-sustaining population which will assure the species survival in captivity and thereby provide the potential for supplementing wild populations. The early years were spent gathering and organizing the data from over 200 institutions in North America. Periodically, this data was analyzed to determine the total population's founder representation, age class structure, and birth and mortality rates. This information provided a measure of the stability, growth and potential long term viability of the population. It also provided the basis for the development of the first edition of the White Rhino SSP Masterplan in the summer of 1987.

The genetic and demographic analyses required to properly manage any SSP population are detailed in the section entitled, "Development of an SSP Masterplan". This document also provides an outline of the process for formulating a masterplan, which will ultimately produce a set of institution-by-institution, animal-by-animal recommendations.

As indicated earlier, the ultimate goal of any SSP masterplan is to propagate and manage a taxon in captivity so as to provide reinforcement for natural populations. Achievement of this goal requires the development of a genetically diverse and demographically stable population capable of long term survival. While the white rhino population appears to have at least the potential for remaining genetically diverse owing to sufficient founder stock available, it could not be considered demographically stable. The founder (and potential founder) stock has experienced increasing age without producing sufficient progeny to insure broad based representation in future generations. As a result, the immediate objective of the institution recommendations is to increase the number of founders and to equalize their representation. Further specifics are provided in the "Explanation of Objectives and Recommendations" section.

OBJECTIVES

Develop and maintain a captive population of white rhino in North America to reinforce wild populations in Africa as part of a global strategy directed by the IUCN SSC African Elephant and Rhino Specialist Group (AERSG).

Toward this objective, attempt to preserve 90% of the average heterozygosity obtained from wild populations for a period of 170-200 years (10-12 white rhino generations).

Reduce the North American white rhino SSP population in zoos to 100 over the next several years through attrition.

Attain a minimum of 35 effective founders in order to achieve the genetic and demographic goals of the program.

Produce and retain a minimum of two - ideally three to four - offspring per founder.

Continue to emphasize the need to form larger well-managed groups of white rhino within the SSP and eliminate pair situations except where they may be useful to the SSP management objectives. Institutions holding pairs of potential founders which continue to not reproduce need to be encouraged to relinquish those animals in favor of black or other rhino species, or to acquire surplus non-breeding whites.

Coordinate the management of white rhino with that of the other rhino SSP programs.

Encourage and promote reproductive research programs designed to develop reproductive technology applicable to all rhino species.

Continue development of a White Rhino Husbandry Manual.

Explore the possibilities of assisting in the attempts to preserve the Northern White Rhino both in situ and ex situ.

EXPLANATION OF OBJECTIVES AND RECOMMENDATIONS

A first step in the development of the Masterplan is to establish an optimum number or carrying capacity for the population to be maintained. Two major and in a sense opposing factors need to be considered and reconciled in determining this number.

The first factor comprises genetic and demographic considerations. Genetic diversity and demographic stability are important to populations. Unfortunately, the small populations which will be feasible to maintain in captivity are afflicted by both genetic and demographic problems.

Small populations tend to lose genetic diversity rapidly. The smaller the population, the more rapid the loss. Small populations are also subject to demographic problems such as chance failures of animals to survive and reproduce, unstable age structures, distorted sex ratios, epidemic diseases and other unpredictable "disasters". Thus, purely for genetic and demographic reasons, a captive population should be as large as possible (Figure 1).

However, the other factor relates to the limited capacity of the zoo ark. Many taxa are in need of captive propagation for their survival. In contrast, space and resources in zoos are sorely limited. Maintaining too large a population of any one taxon may deprive other taxa of a place on the zoo ark. As a result, the carrying capacity for each taxon must be a compromise between some minimum which is large enough to permit genetic and demographic management and a maximum which will not deprive other taxa from being similarly managed. That minimum carrying capacity is often referred to as the Minimum Viable Population or MVP.

MVP's depend on both the genetic and demographic objectives of the program and on the biological characteristics of the species.

Genetic objectives of relevance are:

- The kind and level of genetic diversity to be preserved. Obviously, the optimal objective is to retain all or as much of the diversity as possible. However, with restricted populations and limited resources for conservation, something less than all may have to be acceptable, at least for some period of time. Specifying the kind and level of diversity to be preserved will prescribe MVP's. Preserving rarer alleles (i.e. specific varieties of genes) will require larger MVP's than merely maintaining average heterozygosity (some variation of any non-specific kinds). Preserving 95% of average heterozygosity will require an MVP twice as large as 90% will. Unfortunately, population geneticists do not agree how much diversity is enough but levels around 90% have been strongly suggested.

- How long this level of genetic diversity must be preserved. The optimal answer is indefinitely, in order for the species to have enough variation to continue to evolve as environments change and to maintain adequate levels of vigor. But again, there may have to be compromises. Hopefully, intensive programs will be needed only through the "demographic winter", which may in general continue for 200 to 500 years. However, the winter may vary on a species-by-species and area-by-area basis. The ark may be able to land sooner and periodically for some species and areas. Several reintroduction projects using captive stock of species extinct in the wild are in progress even now. But these opportunities are likely to be limited and often transient over the next century or two. Modern Noahs must be prepared to respond to repeated ebbs and flows of the flood.

A crude but general guideline that has been established in response to the "how much" and "how long" questions is to try to preserve 90% of the average heterozygosity in the gene pool for 200 years. This objective will undoubtedly be subject to further review and refinement but may serve as a starting point for development of a management masterplan. In the case of the white rhino, there seems to be some "intuitive logic" in modifying this objective in terms of rhino generations; 10 rhino generations would represent 150-170 years.

Biological characteristics that influence MVP are:

- The generation time of the species. Genetic diversity is lost generation by generation, not year by year. Thus some given period time, e.g. 200 years, represents more generations, and hence more opportunity to lose diversity, for a species like a golden lion tamarin than it does for a species like a rhino.
- The genetically effective size (N_e) of the population (frequently referred to as the N_e/N ratio). Loss of diversity depends on population size. However, the population size of relevance is not simply the census number. Rather, loss of diversity depends on the way members of the population breed with one another to transmit their genes to the next generation; such factors as animals not reproducing at all, uneven numbers of males and females reproducing, or some animals having many more offspring than others can greatly reduce the genetically effective size far below the actual census number of a population. Normally N_e is less than N ; and hence MVP's must be larger than the population size prescribed by genetic calculations since these prescriptions are always in terms of N_e .
- The number of founders that establish a population. Founders are animals out of the wild population that are used to establish a captive or a new (including recovering) wild population; conversely, they could be animals from captivity that are used to re-establish a species in the wild. In general, the larger the number of founders, the smaller the MVP needed for some genetic objectives. However, there is a point of diminishing return and usually 20-40 founders may be adequate. Thus, source populations may not have to be decimated to create new ones.

- The growth rate of a population from its foundation number to its carrying capacity size. The longer a captive population needs to grow from its initial (founder) number to its carrying capacity, the more loss of genetic diversity there will be due to the smaller N_e 's of the intermediate population sizes during this growth phase.
- The degree of subdivision or fragmentation in the population. If a species population is fragmented into a number of subdivisions which are isolated from one another, animals may not be able to move around for breeding and hence exchange of genetic material. Such situations can cause loss of genetic diversity. The important point is that conservationists must analyze the genetic processes in the species under consideration and develop an appropriate management plan that may include artificial movement or manipulation of animals.

MVP analysis for SSP species can be conducted using the SSP Demographic Software developed by Jon Ballou and Laurie Bingaman of the National Zoo. A sample of the output provided by this software is attached as Table 1. Tables 3-8 present the results of an MVP analysis for white rhino using various values of the variables on which MVP depends. The values of the relevant variables examined are:

Level and Kind of Diversity:	90% Average Heterozygosity
Length of Time:	150, 170 and 200 Years
Generation Time:	15 and 17 Years
Effective Founders:	10,15,20,25,30,and 35.
Ne/N Ratios:	.3, .5, .7, and 1.0
Growth Rates:	1.02(current), 1.04(projected)

These values are derived from demographic and genetic analyses of the white rhino population in North America as well as analogies to other species which have been especially used to suggest values for the N_e/N ratios. Concerning these ratios, a value of 1.0 is probably unattainable; .7 is ambitious and .5 is probably reasonable with good management.

The range of carrying capacities indicated by these tables is 50 to 3665. The very high carrying capacity number of 3665 was generated using a very low number (10) of founders and a very long program time (200 years). In fact, by using a more reasonable number of founders (e.g. 20 - 35) the MVP analysis indicates carrying capacity values become more realistic. Table 4. indicates that the maintenance of 90% of the genetic diversity for ten generations is attainable with 35 founders, a carrying capacity of 100 animals, an N_e/N ratio of .5, and a growth rate of 1.02.

While reproduction of rhino is the primary criteria on which management considerations are based, it is important to consider the genetic situation of the population. Ideally, there should be an attempt to develop some "parity" in the relative representation of founder lineages. Once pre-existing disparities have been redressed, maximal preservation of genetic diversity argues for as much equality as is possible in the lifetime family sizes of individuals.

PEDGENE, a software package developed by Robert Lacy of the Brookfield Zoo, performs a number of founder contribution analyses. Calculations made previously using the Ballou and Bingaman software to determine carrying capacities were based on the "effective" number of founders. The Lacy software provides the means to determine the effective number of founders in a population. As with the population parameters, N and N_e , the total number of founders and the effective number of founders are equal only if each founder contributes equally. Generally, the effective founder number will be less than the actual number. The PEDGENE analysis for white rhino indicates that while there are 38 reproductively represented founders living in SSP institutions, the effective founder number is approximately 16.

The founder representations and family sizes of individuals in the SSP population are presented in the institution-by-institution recommendations. Two numbers are presented under the column headed "Founder Representation" for each animal in each collection. The first number is the founder representation including the founder and offspring; the second number represents offspring only.

As discussed in the "Development of an SSP Masterplan", the first step in formulating the individual recommendations is to determine which animals are surplus for genetic and demographic reasons. For white rhino, there are currently no animals in the SSP institutions which are considered as surplus except those recommended to be sent to South Africa for reintroduction into a new preserve operation. All remaining animals currently listed in the SSP have identifiable lineages and will be retained in the SSP for the immediate future. No founder or potential founder will be considered surplus until it has produced at least four offspring. There are currently 139 (62.77) white rhino in the SSP of which 101 are founders or potential founders. Since only 38 of these animals are reproductively represented, there remains living in the SSP a potential founder reservoir of 63 individuals.

The institution-by-institution recommendations include many instances where facilities holding single pairs are asked to exchange males. The data clearly indicate that white rhinos imported at the age of 2-3 years and held as isolated pairs in zoos simply do not breed. These recommendations were based on the fact that there is some evidence that new surroundings and/or new potential mates may stimulate breeding. By 1991 we should be able to determine how successful the recommendations concerning the realignment of single pairs has been. However successful these exchanges may or may not be, it remains one of the basic objectives of the white rhino SSP to form larger well managed groups. It has become evident that white rhino living in multiple male-multiple female situations produce more offspring than do those living in pairs.

In addition to those recommendations listed for each institution and to further the objective of establishing larger groups of white rhino, it is recommended that:

- Canyon Colorado Equid Sanctuary continue to develop its facilities to accommodate a group of 8-10 white rhino with no less than 3-4 males.
- The National Zoological Park establish a group of 2.6 white rhino at their Front Royal facility.
- The New York Zoological Society establish a group of 2.6 white rhino at their St. Catherine facility or at some other breeding facility in the southeastern U.S.

It should be noted that the first edition of the Masterplan included a recommendation that the Fossil Rim Wildlife Ranch establish a group of 2.4 white rhino. Fossil Rim has since constructed very fine facilities and has begun receiving the animals designated for it as set forth in the "Institution Recommendations".

Finally, it is recommended that the SSP cooperate with the KaNgwane Parks and Environmental Affairs Board by making available specified surplus white rhino to be used by the aforementioned Board to establish a viable population of white rhino in the newly developed Songimvelo Conservation Area, KaNgwane, Republic of South Africa.

WHITE RHINO SSP

INSTITUTION RECOMMENDATIONS - SUMMARY

ALBUQUERQUE - SEND MALE 359 TO TUCSON AND ADD MALE 203 FROM TUCSON.

ASHEBORO - SEND FEMALE 575 TO KNOXVILLE AND ADD 413 AND 565 FROM HUDSON.

BATON ROUGE - SEND MALE 465 TO KNOXVILLE, ADD MALE 618 FROM KNOXVILLE
AND FEMALE 579 FROM NEW ORLEANS.

BIRMINGHAM - SEND MALE 469 TO LITTLE ROCK AND ADD MALE 386 FROM MONROE.

BROOKFIELD - SEND 29 AND 30 TO WINSTON.

BROWNSVILLE - SEND FEMALE 190 TO HOUSTON AND ADD FEMALE 192 FROM HOUSTON
AND FEMALE 620 FROM KNOXVILLE.

CALGARY - ADD MALE 213 FROM TORONTO.

CATSKILL - CONTINUE EFFORTS TO BREED.

CLEVELAND - SURPLUS FEMALE 901.

COLUMBIA - SEND FEMALE 380 TO KINGS MILLS AND FEMALE 381 TO NEW ORLEANS.

COLUMBUS - ADD FEMALE 81 FROM KINGS MILLS.

DOSWELL - SEND MALE 753 TO NORFOLK AND ADD MALE 687 FROM NORFOLK.

FORT WORTH - SEND 82 AND 83 TO FOSSIL RIM.

FOSSIL RIM - ACQUIRE 82 AND 83 FROM FORT WORTH, MALE 31 FROM MILWAUKEE,
MALE 379 FROM COLUMBIA, FEMALE 219 FROM PHILADELPHIA, FEMALE 154
FROM SDWAP.

FRESNO - SEND MALE 187 TO VALLEJO AND ADD MALE 336 FROM VALLEJO.

HONOLULU - MAINTAIN STATUS QUO FOR PRESENT - ANIMALS RELATED.

HOUSTON - SEND FEMALE 192 TO BROWNSVILLE AND ADD FEMALE 190 FROM
BROWNSVILLE.

HUDSON - SEND 413 AND 565 TO ASHEBORO.

JACKSON - SEND MALE 473 TO KNOXVILLE.

JACKSONVILLE - SEND FEMALE 392 TO WHITE OAK AND FEMALE 533 TO TOLEDO.
ADD FEMALE 178 FROM WHITE OAK.

KINGS MILLS - SEND FEMALE 81 TO COLUMBUS. ADD FEMALE 380 FROM
COLUMBIA.

KNOXVILLE - SEND MALE 618 TO BATON ROUGE AND FEMALE 620 TO BROWNSVILLE.
ADD MALE 465 FROM BATON ROUGE, MALE 473 FROM JACKSON, FEMALE 587
FROM PHILADELPHIA AND FEMALE 575 FROM ASHEBORO.

LITTLE ROCK - SEND MALE 463 TO TULSA AND ADD MALE 469 FROM BIRMINGHAM.

LLANO - SEND MALE 876 TO LOUISVILLE.

LOUISVILLE - SURPLUS MALE 900 AND ADD MALE 876 FROM LLANO.

MADISON - SEND MALE 697 TO OMAHA AND ADD MALE 38 FROM OMAHA.

MEMPHIS - CONTINUE BREEDING.

MILWAUKEE - SEND MALE 31 TO FOSSIL RIM.

MONROE - SEND FEMALE 387 TO TULSA AND MALE 386 TO BIRMINGHAM.

NEW ORLEANS - ATTEMPT TO BREED BOTH FEMALES.

NORFOLK - SEND MALE 687 TO DOSWELL AND ADD MALE 753 FROM DOSWELL.

OMAHA - SEND MALE 38 TO MADISON AND ADD MALE 697 FROM MADISON.

PHILADELPHIA - SEND MALE 220 TO TOLEDO, FEMALE 587 TO KNOXVILLE AND FEMALE 219 TO FOSSIL RIM.

PHOENIX - CONTINUE BREEDING.

PITTSBURGH - CONTINUE RESEARCH EFFORTS.

ROCKTON - SEND FEMALE 365 OR 366 TO TORONTO AND ADD FEMALE 582 FROM TORONTO.

SALT LAKE CITY - MAINTAIN STATUS QUO - RELATED ANIMALS.

SAN ANTONIO - CONTINUE BREEDING.

SDWAP - SURPLUS MALE 420 AND SEND FEMALE 154 TO FOSSIL RIM.

TAMPA - MAINTAIN STATUS QUO - ANIMALS TOO INFIRM TO MOVE.

TOLEDO - ADD MALE 220 FROM PHILADELPHIA, FEMALE 178 FROM WHITE OAK, AND FEMALE 381 FROM COLUMBIA.

TORONTO - SEND FEMALE 582 TO ROCKTON AND ADD EITHER FEMALE 365 OR 366 FROM ROCKTON. SEND MALE 213 TO CALGARY.

TUCSON - SEND MALE 203 TO ALBUQUERQUE AND ADD MALE 359 FROM ALBUQUERQUE.

TULSA - SURPLUS MALE 718 AND FEMALES 691 AND 693. ADD FEMALE 386 FROM MONROE, MALE 463 FROM LITTLE ROCK AND YOUNG FEMALE FROM WEST PALM BEACH.

VALLEJO - SEND MALE 336 TO FRESNO AND ADD MALE 187 FROM FRESNO.

WEST PALM BEACH - SEND YOUNG FEMALE TO TULSA. CONTINUE BREEDING.

WHITE OAK - SEND FEMALE 178 TO TOLEDO AND ADD FEMALE 533 FROM JACKSONVILLE.

WINSTON - ADD 29 AND 30 FROM BROOKFIELD AND CONTINUE WITH EXPANSION PLANS.

WHITE RHINO SSP

INSTITUTION RECOMMENDATIONS - PROGRESS REPORT

ASHEBORO - Completed.

BATON ROUGE - Completed.

BROOKFIELD - Completed.

BROWNSVILLE - Acquired female 620 from Knoxville.

CALGARY - Completed.

CLEVELAND - Completed.

COLUMBIA - Sent female 380 to Kings Mills and female 381 to Toledo.

COLUMBUS - Completed.

FORT WORTH - Completed (January 1989)

FOSSIL RIM - Acquired 82 and 83 from Fort Worth, male 31 from Milwaukee,
and female 219 from Philadelphia.

HUDSON - Completed.

JACKSON - Completed.

KINGS MILLS - Completed.

KNOXVILLE - Completed.

LLANO - Completed.

LOUISVILLE - Completed.

MILWAUKEE - Completed.

PHILADELPHIA - Completed.

SDWAP - Sent male 420 to Guadalahara.

TOLEDO - Completed.

TORONTO - Sent male 213 to Calgary.

WHITE OAK - Sent female 178 to Toledo.

WINSTON - Completed.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA Studbook

Age structure of captive population at the end of 1988

Age class in years	Males	Females
0 - 1	1	3
1 - 2	4	0
2 - 3	5	0
3 - 4	0	1
4 - 5	1	3
5 - 6	0	2
6 - 7	1	0
7 - 8	1	0
8 - 9	0	1
9 - 10	2	3
10 - 11	0	0
11 - 12	0	1
12 - 13	1	0
13 - 14	0	0
14 - 15	1	0
15 - 16	2	3
16 - 17	6	5
17 - 18	2	9
18 - 19	4	4
19 - 20	6	7
20 - 21	8	11
21 - 22	1	2
22 - 23	1	3
23 - 24	2	1
24 - 25	2	2
25 - 26	3	12
26 - 27	0	1
27 - 28	4	1
28 - 29	2	1
29 - 30	1	0
30 - 31	1	1
31 - 32	0	0
Totals	62	77

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA Studbook

Age specific fertility for census years 1960 to 1988

Age class in years	Males			Females		
	At risk	Births	mx	At risk	Births	mx
0 - 1	83	0	0.0000	108	0	0.0000
1 - 2	76	0	0.0000	98	0	0.0000
2 - 3	70	0	0.0000	100	0	0.0000
3 - 4	65	0	0.0000	98	0	0.0000
4 - 5	65	0	0.0000	95	0	0.0000
5 - 6	64	0	0.0000	91	0	0.0000
6 - 7	63	1	0.0159	87	0	0.0000
7 - 8	61	0	0.0000	86	2	0.0233
8 - 9	60	0	0.0000	86	0	0.0000
9 - 10	59	1	0.0169	85	0	0.0000
10 - 11	56	0	0.0000	81	6	0.0741
11 - 12	56	3	0.0536	81	3	0.0370
12 - 13	56	2	0.0357	80	0	0.0000
13 - 14	54	1	0.0185	77	3	0.0390
14 - 15	54	2	0.0370	75	0	0.0000
15 - 16	51	1	0.0196	74	0	0.0000
16 - 17	50	3	0.0600	71	3	0.0423
17 - 18	46	3	0.0652	69	0	0.0000
18 - 19	42	4	0.0952	61	2	0.0328
19 - 20	40	3	0.0750	52	0	0.0000
20 - 21	35	1	0.0286	48	1	0.0208
21 - 22	28	3	0.1071	41	5	0.1220
22 - 23	19	1	0.0526	29	2	0.0690
23 - 24	18	2	0.1111	26	2	0.0769
24 - 25	17	0	0.0000	23	0	0.0000
25 - 26	14	2	0.1429	22	4	0.1818
26 - 27	11	0	0.0000	18	0	0.0000
27 - 28	8	0	0.0000	5	0	0.0000
28 - 29	8	0	0.0000	3	0	0.0000
29 - 30	4	0	0.0000	2	0	0.0000
30 - 31	2	0	0.0000	1	0	0.0000
31 - 32	1	0	0.0000	1	0	0.0000

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA Studbook

Age specific mortality rate for census years 1960 to 1988

Age class in years	Males			Females		
	At risk	Died	Qx	At risk	Died	Qx
0 - 1	83	7	0.0843	108	6	0.0556
1 - 2	76	2	0.0263	98	1	0.0102
2 - 3	70	0	0.0000	100	1	0.0100
3 - 4	65	0	0.0000	98	2	0.0204
4 - 5	65	0	0.0000	95	0	0.0000
5 - 6	64	0	0.0000	91	1	0.0110
6 - 7	63	1	0.0159	87	1	0.0115
7 - 8	61	0	0.0000	86	0	0.0000
8 - 9	60	1	0.0167	86	0	0.0000
9 - 10	59	0	0.0000	85	0	0.0000
10 - 11	56	0	0.0000	81	0	0.0000
11 - 12	56	0	0.0000	81	0	0.0000
12 - 13	56	1	0.0179	80	3	0.0375
13 - 14	54	0	0.0000	77	2	0.0260
14 - 15	54	2	0.0370	75	1	0.0133
15 - 16	51	0	0.0000	74	0	0.0000
16 - 17	50	0	0.0000	71	2	0.0282
17 - 18	46	0	0.0000	69	1	0.0145
18 - 19	42	1	0.0238	61	2	0.0328
19 - 20	40	1	0.0250	52	0	0.0000
20 - 21	35	1	0.0286	48	0	0.0000
21 - 22	28	0	0.0000	41	0	0.0000
22 - 23	19	0	0.0000	29	1	0.0345
23 - 24	18	0	0.0000	26	0	0.0000
24 - 25	17	1	0.0588	23	0	0.0000
25 - 26	14	1	0.0714	22	2	0.0909
26 - 27	11	0	0.0000	18	1	0.0556
27 - 28	8	0	0.0000	5	1	0.2000
28 - 29	8	0	0.0000	3	0	0.0000
29 - 30	4	0	0.0000	2	0	0.0000
30 - 31	2	0	0.0000	1	0	0.0000
31 - 32	1	0	0.0000	1	0	0.0000

FOUNDER REPRESENTATION DATA SUMMARY

Column I. lists each founder (potential and contributing) by studbook number. Column II. lists the number of animals in the population to which the corresponding founder contributed genetically. Column III. lists the figures in column II. as a percentage of the population. Column IV. provides each founder's genetic contribution to the SSP population. Column V. lists the number of living offspring in the population for each founder. Finally, Column VI. provides the average representation in living non-founder animals.

FOUNDER	TOTAL #	POP. %	GEN. %	PROG. #	REPRES.
=====					
23	1	0.709	0.709	0	0.000
24	1	0.709	0.709	0	0.000
25	1	0.709	0.709	0	0.000
26	1	0.709	0.709	0	0.000
29	1	0.709	0.709	0	0.000
30	1	0.709	0.709	0	0.000
31	1	0.709	0.709	0	0.000
34	2	1.410	1.064	1	1.282
38	1	0.709	0.709	0	0.000
39	1	0.709	0.709	0	0.000
40	3	2.120	1.418	2	2.564
42	1	0.709	0.709	0	0.000
43	1	0.709	0.709	0	0.000
44	1	0.709	0.709	0	0.000
45	1	0.709	0.709	0	0.000
47	1	0.709	0.709	0	0.000
48	1	0.709	0.709	0	0.000
50	2	1.410	1.064	1	1.282
51	2	1.410	1.064	1	1.282
52	12	8.510	4.255	12	15.385
80	1	0.709	0.709	0	0.000
81	1	0.709	0.709	0	0.000
82	1	0.709	0.709	0	0.000
83	1	0.709	0.709	0	0.000
143	1	0.709	0.709	0	0.000
146	1	0.709	0.709	0	0.000
147	2	1.410	1.064	1	1.282
148	2	1.380	1.042	1	1.282
150	3	2.120	1.418	2	2.564
151	1	0.709	0.355	1	1.282
152	1	0.709	0.355	1	1.282
153	3	2.120	1.418	2	2.564
154	4	2.830	1.770	3	3.846
155	3	2.120	1.064	3	3.846
156	1	0.709	0.709	0	0.000
157	5	3.540	2.128	4	5.128
159	3	2.120	1.418	2	2.564

FOUNDER TOTAL # POP. % GEN. % PROG. # REPRES.

=====

177	1	0.709	0.709	0	0.000
178	1	0.709	0.709	0	0.000
180	3	2.120	1.418	2	2.564
181	2	1.410	1.064	1	1.282
182	2	1.410	1.064	1	1.282
187	1	0.709	0.709	0	0.000
188	1	0.709	0.709	0	0.000
189	1	0.709	0.709	0	0.000
190	1	0.709	0.709	0	0.000
191	1	0.709	0.709	0	0.000
192	1	0.709	0.709	0	0.000
277	1	0.709	0.709	0	0.000
318	1	0.709	0.709	0	0.000
336	1	0.709	0.709	0	0.000
337	1	0.709	0.709	0	0.000
358	1	0.709	0.709	0	0.000
359	1	0.709	0.709	0	0.000
363	1	0.709	0.709	0	0.000
364	1	0.709	0.709	0	0.000
365	1	0.709	0.709	0	0.000
366	1	0.709	0.709	0	0.000
379	1	0.709	0.709	0	0.000
380	1	0.709	0.709	0	0.000
381	1	0.709	0.709	0	0.000
386	1	0.709	0.709	0	0.000
387	1	0.709	0.709	0	0.000
390	4	2.830	1.950	3	4.487
391	4	2.830	1.596	3	3.205
392	1	0.709	0.709	0	0.000
397	3	2.120	1.418	2	2.564
413	1	0.709	0.709	0	0.000
416	1	0.709	0.709	0	0.000
417	1	0.709	0.709	0	0.000
418	1	0.709	0.709	0	0.000
420	7	4.960	2.482	7	8.974
452	2	1.410	1.064	1	1.282
453	2	1.410	1.064	1	1.282
463	1	0.709	0.709	0	0.000
464	1	0.709	0.709	0	0.000
465	1	0.709	0.709	0	0.000
466	1	0.709	0.709	0	0.000
467	1	0.709	0.709	0	0.000
469	1	0.709	0.709	0	0.000
470	1	0.709	0.709	0	0.000
471	1	0.709	0.709	0	0.000
473	1	0.709	0.709	0	0.000
475	1	0.709	0.709	0	0.000
558	1	0.709	0.355	1	1.282
559	1	0.709	0.709	0	0.000
562	5	3.540	1.773	5	6.410
563	2	1.410	1.064	1	1.282

FOUNDER	TOTAL #	POP. %	GEN. %	PROG. #	REPRES.
565	2	1.410	1.064	1	1.282
566	3	2.120	1.418	2	2.564
568	1	0.709	0.355	1	1.282
569	1	0.709	0.709	0	0.000
570	2	1.410	1.064	1	1.282
573	2	1.410	1.064	1	1.282
574	2	1.410	1.064	1	1.282
579	1	0.709	0.709	0	0.000
580	1	0.709	0.709	0	0.000
587	1	0.709	0.709	0	0.000
618	4	2.830	1.773	3	3.846
619	1	0.709	0.709	0	0.000
620	2	1.410	1.064	1	1.282
686	1	0.709	0.709	0	0.000
687	1	0.709	0.709	0	0.000
696	1	0.709	0.709	0	0.000
697	1	0.709	0.709	0	0.000
707	1	0.709	0.709	0	0.000
750	1	0.709	0.709	0	0.000
751	1	0.709	0.709	0	0.000
752	1	0.709	0.354	1	1.282
753	1	0.709	0.709	0	0.000
754	2	1.410	1.064	1	1.282

There are 38 reproductively represented founders in the population. If equally represented, the average representation would be 2.703%.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at ALBUQUERQUE
 Printed on: 28.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
358	F	WILD	WILD	00.00.66	. .		ALBUQUERQUE USA	27.11.73	ALQ 1	10312	SSP	0	0	
							ALBUQUERQUE USA NA	27.11.73	DINKA					
359	M	WILD	WILD	00.00.65	. .		ALBUQUERQUE USA	27.11.73	ALQ 2	10311	SSP	0	0	
							ALBUQUERQUE USA NA	27.11.73	CHUKURU					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
358	0	n/a	n/a	n/a	n/a	358 = 0.709, 0.000
359	0	n/a	n/a	n/a	n/a	359 = 0.709, 0.000

RECOMMENDATION: Send male 358 to Tucson and add Tucson male 203.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at ASHEBORO
 Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISTS	Mng Grp	Sire Age	Dam Age	Death Age
413	M	WILD	WILD	00.00.70	. .		KINGS MILLS USA ASHEBORO USA NA	00.00.74 21.11.87	KIM 4 DARYLL	941	SSP	0	0	
565	F	WILD	WILD	00.00.68	. .		WPALM BEACH USA ASHEBORO USA NA	00.01.72 21.11.87	WPB 8 NO. 3	942	SSP	0	0	
573	M	WILD	WILD	00.00.70	. .		ST LOUIS USA ASHEBORO USA NA	12.08.74 30.09.76	NCL 1 TED	59	SSP	0	0	
574	F	WILD	WILD	00.00.70	. .		ST LOUIS USA ASHEBORO USA NA	12.08.74 30.09.76	NCL 2 ALICE	60	SSP	0	0	

Males - 2 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat Now	Founder Representation
413	0	n/a	n/a	n/a	n/a	413 = 0.709, 0.000
565	1	624	562	F 11/12/80	WPALM BEACH	565 = 1.064, 1.282
573	1	575	574	F 19/08/75	KNOXVILLE	573 = 1.064, 1.282
574	1	575	573	F 19/08/75	KNOXVILLE	574 = 1.064, 1.282

RECOMMENDATION: Breed both pairs.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at BATON ROUGE
 Printed on: 3.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
466	F	WILD	WILD	00.00.72	. .		KINGS MILLS USA BATON ROUGE USA NA	00.00.74 26.10.74	GBR 2 HATARI	129	SSP	0	0	
467	F	WILD	WILD	00.00.72	. .		KINGS MILLS USA BATON ROUGE USA NA	00.00.74 26.10.74	GBR 3 WAGASA	130	SSP	0	0	
618	M	WILD	WILD	00.08.71	. .		KNOXVILLE USA BATON ROUGE USA NA	15.08.74 16.05.88	KNO 2 MARVIN		SSP	0	0	
						Males - 1	Females - 2	Unknown - 0						

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
466	0	n/a	n/a	n/a	n/a	466 = 0.709, 0.000
467	0	n/a	n/a	n/a	n/a	467 = 0.709, 0.000
618	4	772	453	F 03/03/83	Louisville	618 = 1.773, 3.846
		790	452	M 03/01/84	Cleveland	
		791	620	F 11/01/84	Louisville	

RECOMMENDATION: Breed all animals.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at BIRMINGHAM
 Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
469	M	WILD	WILD	00.00.71	. .		KINGS MILLS USA BIRMINGHAM USA NA	00.00.74 24.02.76	BGH 1 RONNIE	315	SSP	0	0	
470	F	WILD	WILD	00.00.71	. .		KINGS MILLS USA BIRMINGHAM USA NA	00.00.74 24.02.76	BGH 2 GERTRUDE	316	SSP	0	0	
471	F	WILD	WILD	00.00.71	. .		KINGS MILLS USA BIRMINGHAM USA NA	00.00.74 24.02.76	BGH 3 HORTENSE	317	SSP	0	0	

Males - 1 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
469	0	n/a	n/a	n/a	n/a	469 = 0.709, 0.000
470	0	n/a	n/a	n/a	n/a	470 = 0.709, 0.000
471	0	n/a	n/a	n/a	n/a	471 = 0.709, 0.000

RECOMMENDATION: Send male 469 to Little Rock and add male 386 from Monroe.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at BROWNSVILLE
 Printed on: 3.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
189	M	WILD	WILD	00.00.68	. .		BROWNSVILLE USA	11.09.70	BRO 1	261	SSP	0	0	
							BROWNSVILLE USA NA	11.09.70	M'KABI					
190	F	WILD	WILD	00.00.68	. .		BROWNSVILLE USA	11.09.70	BRO 2	262	SSP	0	0	
							BROWNSVILLE USA NA	11.09.70	NOBELA					
202	M	180	181	28.08.72	. .		SAN ANTONIO USA	28.08.72	STA 4	3120	SSP	76	93	
							BROWNSVILLE USA NA	08.01.87	SHAKA					
620	F	WILD	WILD	00.08.71	. .		KNOXVILLE USA	15.08.74	KNO 4		SSP	0	0	
							BROWNSVILLE USA NA	18.05.88	TILLEY					

Males - 2 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
189	0	n/a	n/a	n/a	n/a	189 = 0.709, 0.000
190	0	n/a	n/a	n/a	n/a	190 = 0.709, 0.000
202	0	n/a	n/a	n/a	n/a	180 = 1.418, 2.564 181 = 1.064, 1.282
620	1	791	618	F 11/01/84	LOUISVILLE	620 = 1.064, 1.282

RECOMMENDATION: Send female 190 to Houston, add female 192 from Houston.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at CALGARY

Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
47	F	WILD	WILD	00.00.63	. .		CALGARY CAN	14.05.66	YYC 2	100546	SSP	0	0	
							CALGARY CAN NA	14.05.66	JANET					
213	M	52	152	19.12.72	. .		SAN DIEGO ZO USA	19.12.72	SAN 5		SSP	140	121	
							CALGARY CAN NA	23.09.88						

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Sdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
47	0	n/a	n/a	n/a	n/a	47 = 0.709, 0.000
213	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385

RECOMMENDATION: Breed pair.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at CATSKILL

Printed on: 4.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
25	M	WILD	WILD	00.00.61	. .		CATSKILL USA	09.05.63	CAT 1		SSP	0	0	
							CATSKILL USA NA	09.05.63	CHIPPIE					
26	F	WILD	WILD	00.00.61	. .		CATSKILL USA	09.05.63	CAT 2		SSP	0	0	
							CATSKILL USA NA	09.05.63	BARBARA					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Da..	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
25	0	n/	n/	n/	n/	25 = 0,709, 0,000
26	0	n/a	/a	n/a	/a	26 = 0,709 0,000

RECOMMENDATION: Breed pair.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at CLEVELAND

Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
790	M	618	452	03.01.84	. .		KNOXVILLE USA CLEVELAND USA NA	03.01.84 23.05.85	KNO 10 KYLE	850503	SSP	200	193	
842	F	40	397	19.08.85	. .		MEMPHIS USA CLEVELAND USA NA	19.08.85 06.06.86	MEM 07 KARLA	860603	SSP	280	165	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
790	0	n/a	n/a	n/a	n/a	618 = 1.773, 3.846; 452 = 1.064, 1.282
842	0	n/a	n/a	n/a	n/a	40 = 1.418, 2.564; 397 = 1.418, 2.564

RECOMMENDATION: Add a second female when available.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at COLUMBIA
 Printed on: 3.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
379	M	WILD	WILD	00.00.68	. .		STOCKBRIDGE USA COLUMBIA USA NA	15.04.72 18.04.74	COL 1 SAMSON	SJ0152	SSP	0	0	

Males - 1 Females - 0 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Sdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
379	0	n/a	n/a	n/a	n/a	379 = 0.709, 0.000

Recommendation: Send male 379 to Fossil Rim.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at COLUMBUS
 Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
81	F	WILD	WILD	00.00.64	. .		LOUISVILLE USA	15.11.67	SDF 2	882093	SSP	0	0	
							COLUMBUS USA NA	15.07.88	LUANA					
146	M	WILD	WILD	00.00.68	. .		SDWAP USA	17.02.71	SAW 5	752006	SSP	0	0	
							COLUMBUS USA NA	17.06.75	PENDULA					
148	F	WILD	WILD	00.00.68	. .		SDWAP USA	17.02.71	SAW 7	752007	SSP	0	0	
							COLUMBUS USA NA	17.06.75	GOBELE					

Males - 1 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
146	0	n/a	n/a	n/a	n/a	146 = 0.709, 0.000
148	0	n/a	n/a	n/a	n/a	148 = 0.709, 0.000
81	0	n/a	n/a	n/a	n/a	81 = 0.709, 0.000

RECOMMENDATION: Breed both females.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at DOSWELL

Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
750	F	WILD	WILD	00.00.69	. .		DOSWELL USA	03.10.73	DOS 1	026	SSP	0	0	
							DOSWELL USA NA	03.10.73	LUCY					
751	F	WILD	WILD	00.00.69	. .		DOSWELL USA	03.10.73	DOS 2	037	SSP	0	0	
							DOSWELL USA NA	03.10.73	BUMPER					
753	M	WILD	WILD	00.00.69	. .		DOSWELL USA	03.10.73	DOS 4	021	SSP	0	0	
							DOSWELL USA NA	03.10.73	ALFRED					
754	M	WILD	WILD	00.00.69	. .		DOSWELL USA	03.10.73	DOS 5	022	SSP	0	0	
							DOSWELL USA NA	03.10.73	RUFUS					
755	M	754	752	10.06.79	. .		DOSWELL USA	10.06.79	DOS 6	750	SSP	109	126	
							DOSWELL USA NA	10.06.79	MILTON					

Males - 3 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
750	0	n/a	n/a	n/a	n/a	750 = 0.69, 0.0
751	0	n/a	n/a	n/a	n/a	751 = 0.69, 0.0
753	0	n/a	n/a	n/a	n/a	753 = 0.69, 0.0
754	1	755	752	M 10/06/79	DOSWELL	754 = 1.03, 1.14
755	0	n/a	n/a	n/a	n/a	755 = 1.03, 1.14; 752 = 0.34, 1.14

RECOMMENDATION: Send male 753 to Norfolk and add male 687 from Norfolk.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at FOSSIL RIM
 Printed on: 3.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
31	M	WILD	WILD	00.00.58	. .		MILWAUKEE USA FOSSIL RIM USA NA	30.08.62 15.12.88	MKE 1 MITONDO		SSP	0	0	
219	F	52	153	08.05.73	. .		SDWAP USA FOSSIL RIM USA NA	08.05.73 28.11.88	SAW 20 HENRIETTA		SSP	144	125	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Sdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
31	0	n/a	n/a	n/a	n/a	31 = 0.709, 0.000
219	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 153 = 1.418, 2.56

Recommendation: Add 82 and 83 from Fort Worth, male 379 from Columbia, and female 147 or 277 from SDWAP.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at FRESNO

Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
187	M	WILD	WILD	00.00.68	. .		FRESNO USA	19.09.71	FRE 1	1156	SSP	0	0	
							FRESNO USA NA	19.09.71	FODDER					
188	F	WILD	WILD	00.00.68	. .		FRESNO USA	19.09.71	FRE 2	1157	SSP	0	0	
							FRESNO USA NA	19.09.71	MUDDER					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdtk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
187	0	n/a	n/a	n/a	n/a	187 = 0.709, 0.000
188	0	n/a	n/a	n/a	n/a	188 = 0.709, 0.000

RECOMMENDATION: Send male 187 to Vallejo and add male 336 from Vallejo.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at FORT WORTH

Printed on: 9.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
82	M	WILD	WILD	00.00.67	. .		FORT WORTH USA	23.05.68	FW 1	122	SSP	0	0	
							FORT WORTH USA NA	23.05.68	MNUMZAAN					
83	F	WILD	WILD	00.00.67	. .		FORT WORTH USA	23.05.68	FW 2	123	SSP	0	0	
							FORT WORTH USA NA	23.05.68	MASIPULA					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
82	0	n/a	n/a	n/a	n/a	82 = 0.709, 0.000
83	0	n/a	n/a	n/a	n/a	83 = 0.709, 0.000

Recommendation: Send 82 and 83 to Fossil Rim Wildlife Ranch.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at HOUSTON

Printed on: 26.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
191	M	WILD	WILD	00.00.68	. .		HOUSTON USA	08.07.71	IAH 1	441	SSP	0	0	
							HOUSTON USA NA	08.07.71						
192	F	WILD	WILD	00.00.67	. .		HOUSTON USA	08.07.71	IAH 2	440	SSP	0	0	
							HOUSTON USA NA	08.07.71						

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
191	0	n/a	n/a	n/a	n/a	191 = 0.709, 0.000
192	0	n/a	n/a	n/a	n/a	192 = 0.706, 0.000

RECOMMENDATION: Send female 192 to Brownsville and add female 190 from Brownsville.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at JACKSON,MISS
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
475	F	WILD	WILD	00.00.69	. .		STOCKBRIDGE USA	15.04.72	JCK 3	000221	SSP	0	0	
							JACKSON,MISS USA NA	02.09.74	LONGHORN					
707	M	WILD	WILD	00.01.73	. .		DARBY DAN USA	01.01.75	JCK 4	000876	SSP	0	0	
							JACKSON,MISS USA NA	20.12.80	FRANKLIN					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
475	0	n/a	n/a	n/a	n/a	475 = 0.709, 0.000
707	0	n/a	n/a	n/a	n/a	707 = 0.709, 0.000

RECOMMENDATION: Breed existing pair.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at JACKSONVILLE

Printed on: 4.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
318	F	WILD	WILD	00.00.71	. .		KANSAS CITY USA JACKSONVILLE USA NA	23.06.72 05.01.83	KCM 2 ANNE	1943	SSP	0	0	
390	M	WILD	WILD	00.00.69	. .		KINGS MILLS USA JACKSONVILLE USA NA	00.00.74 18.12.75	JAX 3 ARCHIE	350	SSP	0	0	
391	F	WILD	WILD	00.00.69	. .		KINGS MILLS USA JACKSONVILLE USA NA	00.00.74 18.12.75	JAX 4 EDITH	348	SSP	0	0	
392	F	WILD	WILD	00.00.71	. .		KINGS MILLS USA JACKSONVILLE USA NA	00.00.74 18.12.75	JAX 5 WAINKLES	349	SSP	0	0	
533	F	390	391	05.03.79	. .		JACKSONVILLE USA JACKSONVILLE USA NA	05.03.79 05.03.79	JAX 6 GLORIA	1298	SSP	106	123	
9021	M	390	391	23.01.87	. .		JACKSONVILLE USA JACKSONVILLE USA NA	23.01.87 23.01.87	JAX 07 CYRANO	2733	SSP	201	218	

Males - 2 Females - 4 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
318	0	n/a	n/a	n/a	n/a	318 = 0.709, 0.000
390	3	533	391	F 05/03/79	Jacksonville	390 = 1.950, 4.487
		9021	391	M 23/01/87	Jacksonville	
		9033	533	M 21/03/88	Jacksonville	
391	2	533	390	F 05/03/79	Jacksonville	391 = 1.596, 3.205
		9021	390	M 23/01/87	Jacksonville	
392	0	n/a	n/a	n/a	n/a	392 = 0.709, 0.000
533	1	9033	390	M 21/03/88	Jacksonville	390 = 1.950, 4.487; 391 = 1.596, 3.205
9021	0	n/a	n/a	n/a	n/a	390 = 1.950, 4.487; 391 = 1.596, 3.205

Recommendation : Send female 533 to White Oak.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at KINGS MILLS
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
80	M	WILD	WILD	00.00.64	. .		LOUISVILLE USA	06.12.69	SDF 1	821	SSP	0	0	
							KINGS MILLS USA NA	11.02.85	LEW II					
380	F	WILD	WILD	00.00.68	. .		STOCKBRIDGE USA	15.04.72	COL 2	1043	SSP	0	0	
							KINGS MILLS USA NA	23.11.88	DAISEY MAE					
416	F	WILD	WILD	00.00.71	. .		KINGS MILLS USA	25.04.74	KIM 7	107	SSP	0	0	
							KINGS MILLS USA NA	25.04.74	CHARLIE					
417	F	WILD	WILD	00.00.71	. .		KINGS MILLS USA	25.04.74	KIM 8	108	SSP	0	0	
							KINGS MILLS USA NA	25.04.74	PRETTY GIR					
418	F	WILD	WILD	00.00.71	. .		KINGS MILLS USA	25.04.74	KIM 9	109	SSP	0	0	
							KINGS MILLS USA NA	25.04.74	PETTE					

Males - 1 Females - 4 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
80	0	n/a	n/a	n/a	n/a	80 = 0.709, 0.000
380	0	n/a	n/a	n/a	n/a	380 = 0.709, 0.000
416	0	n/a	n/a	n/a	n/a	416 = 0.709, 0.000
417	0	n/a	n/a	n/a	n/a	417 = 0.709, 0.000
418	0	n/a	n/a	n/a	n/a	418 = 0.709, 0.000

RECOMMENDATION: Designated for reproductive research program.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at KNOXVILLE
 Printed on: 3.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
452	F	WILD	WILD	00.00.68	. .		IAE/FERNDAL USA	00.00.71	IAE 32	142	SSP	0	0	
							KNOXVILLE USA NA	02.11.76	POLLY					
453	F	WILD	WILD	00.00.63	. .		IAE/FERNDAL USA	00.00.71	IAE 33	141	SSP	0	0	
							KNOXVILLE USA NA	21.02.76	DOLLY					
465	M	WILD	WILD	00.00.72	. .		KINGS MILLS USA	00.00.74	GBR 1		SSP	0	0	
							KNOXVILLE USA NA	16.05.88	MONDO					
473	M	WILD	WILD	00.00.69	. .		STOCKBRIDGE USA	15.04.72	JCK 1		SSP	0	0	
							KNOXVILLE USA NA	01.09.88	CHUCK					
575	F	573	574	19.08.77	. .		ASHEBORO USA	19.08.77	NCL 3		SSP	76	93	
							KNOXVILLE USA NA	09.11.88						
587	F	WILD	WILD	00.00.70	. .		STOCKBRIDGE USA	15.04.72	PHL 1		SSP	0	0	
							KNOXVILLE USA NA	25.11.88	AMY					
619	F	WILD	WILD	00.08.71	. .		KNOXVILLE USA	15.08.74	KNO 3	144	SSP	0	0	
							KNOXVILLE USA NA	15.08.74	MILLEY					

Males - 2 Females - 5 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat Now	Founder Representation
452	1	790	618	M 03/01/84	Cleveland	452 = 1.064, 1.282
453	1	772	618	F 03/03/83	Louisville	453 = 1.064, 1.282
465	0	n/a	n/a	n/a	n/a	465 = 0.709, 0.000
473	0	n/a	n/a	n/a	n/a	473 = 0.709, 0.000
575	0	n/a	n/a	n/a	n/a	573 = 1.064, 1.282; 574 = 1.064, 1.282
619	0	n/a	n/a	n/a	n/a	619 = 0.709, 0.000
587	0	n/a	n/a	n/a	n/a	587 = 0.709, 0.000

RECOMMENDATION: Breed existing animals.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at LITTLE ROCK
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
463	M	WILD	WILD	00.00.70	. .		STOCKBRIDGE USA LITTLE ROCK USA NA	15.04.72 12.06.75	LTR 1	181	SSP	0	0	
464	F	WILD	WILD	00.00.70	. .		STOCKBRIDGE USA LITTLE ROCK USA NA	15.04.72 12.06.75	LTR 2	182	SSP	0	0	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
463	0	n/a	n/a	n/a	n/a	463 = 0.709, 0.000
464	0	n/a	n/a	n/a	n/a	464 = 0.709, 0.000

RECOMMENDATION: Send male 463 to Tulsa and add male 469 from Birmingham.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at LLANO

Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
50	M	WILD	WILD	00.00.63	. .		LOS ANGELES USA LLANO USA NA	17.08.65 04.06.83	LAX 1		SSP	0	0	
51	F	WILD	WILD	00.00.63	. .		LOS ANGELES USA LLANO USA NA	17.08.65 04.06.83	LAX 2		SSP	0	0	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Da.	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
50	1	876	51	M 25/11/86	Llano	50 = 1.03, 1.14
51	1	876	50	M 25/11/86	Llano	51 = 1.03, 1.14

RECOMMENDATION: Breed existing pair.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at LOUISVILLE
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
772	F	618	453	03.03.83	. .		KNOXVILLE USA	03.03.83	IAE 44	100906	SSP	190	243	
							LOUISVILLE USA NA	23.05.85	LULU					
791	F	618	620	11.01.84	. .		KNOXVILLE USA	11.01.84	KNO 11	100905	SSP	200	217	
							LOUISVILLE USA NA	23.05.85	SINDI					
876	M	50	51	25.11.86	. .		LLANO USA	25.11.86	LLA 01		SSP	271	288	
							LOUISVILLE USA NA	02.12.88						

Males - 1 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
772	0	n/a	n/a	n/a	n/a	618 = 1.773, 3.846; 453 = 1.064, 1.282
791	0	n/a	n/a	n/a	n/a	618 = 1.773, 3.846; 620 = 1.064, 1.282
876	0	n/a	n/a	n/a	n/a	50 = 1.064, 1.282; 51 = 1.064, 1.282

RECOMMENDATION: Breed existing animals.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at MADISON

Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
696	F	WILD	WILD	00.00.68	. .		IAE/FERNDAL USA MADISON USA NA	22.07.75 06.07.76	STO 1	643	SSP	0	0	
697	M	WILD	WILD	00.00.68	. .		IAE/FERNDAL USA MADISON USA NA	22.07.75 06.07.76	STO 2	642	SSP	0	0	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
696	0	n/a	n/a	n/a	n/a	696 = 0.709, 0.000
697	0	n/a	n/a	n/a	n/a	697 = 0.709, 0.000

RECOMMENDATION: Send male 697 to Omaha and add male 38 from Omaha.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at MEMPHIS
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
40	M	WILD	WILD	00.00.61	. .		MEMPHIS USA	15.09.64	MEM 1	0270	SSP	0	0	
397	F	WILD	WILD	00.00.72	. .		MEMPHIS USA NA	15.09.64	MAHLEBENI	0271	SSP	0	0	
914	M	40	397	23.10.87	. .		DOSWELL USA	02.10.73	MEM 3					
							MEMPHIS USA NA	16.04.76	TOMBI					
							MEMPHIS USA	23.10.87		9277	SSP	306	191	
							MEMPHIS USA NA	23.10.87						

Males - 2 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representatio.
40	2	842 914	397 397	F 19/08/85 M 23/10/87	Cleveland Memphis	40 = 1.418, 2.564
397	2	842 914	40 40	F 19/08/85 M 23/10/87	Cleveland Memphis	397 = 1.418, 2.564
914	0	n/a	n/a	n/a	n/a	40 = 1.418, 2.564; 397 = 1.418, 2.564

RECOMMENDATION: Continue to breed existing pair.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at MONROE

Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
386	M	WILD	WILD	00.00.70	. .		MONROE USA MONROE USA NA	24.04.72 24.04.74	LOU 1	141173	SSP	0	0	
387	F	WILD	WILD	00.00.70	. .		MONROE USA MONROE USA NA	24.04.72 24.04.72	LOU 2	142174	SSP	0	0	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat Now	Founder Representation
386	0	n/a	n/a	n/a	n/a	386 = 0.709, 0.000
387	0	n/a	n/a	n/a	n/a	387 = 0.709, 0.000

RECOMMENDATION: Send male 386 to Birmingham and female 387 to Tulsa.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at NEW ORLEANS
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
23	M	WILD	WILD	00.00.60	. .		BRONX USA	04.09.62	NYC 1	055	SSP	0	0	
							NEW ORLEANS USA NA	03.12.74	WOOLY					
24	F	WILD	WILD	00.00.58	. .		BRONX USA	04.09.62	NYC 2	061	SSP	0	0	
							NEW ORLEANS USA NA	03.12.74	JESSIE					
579	F	WILD	WILD	00.00.72	. .		KINGS MILLS USA	25.04.74	NOL 1	052	SSP	0	0	
							NEW ORLEANS USA NA	13.12.74	HARRIOTT					
580	M	WILD	WILD	00.00.72	. .		KINGS MILLS USA	25.04.74	NOL 2	053	SSP	0	0	
							NEW ORLEANS USA NA	13.12.74	POINDEXTER					

Males - 2 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
23	0	n/a	n/a	n/a	n/a	23 = 0.709, 0.000
24	0	n/a	n/a	n/a	n/a	24 = 0.709, 0.000
579	0	n/a	n/a	n/a	n/a	579 = 0.709, 0.000
580	0	n/a	n/a	n/a	n/a	580 = 0.709, 0.000

RECOMMENDATION: Continue attempts to breed both females.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at NORFOLK

Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
686	F	WILD	WILD	00.00.72	. .		KINGS MILLS USA	25.04.74	NOR 1	172002	SSP	0	0	
							NORFOLK USA NA	05.06.74	JESSE					
687	M	WILD	WILD	00.00.72	. .		KINGS MILLS USA	25.04.74	NOR 2	172000	SSP	0	0	
							NORFOLK USA NA	05.06.74	RUFUS					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
686	0	n/a	n/a	n/a	n/a	686 = 0.709, 0.000
687	0	n/a	n/a	n/a	n/a	687 = 0.709, 0.000

RECOMMENDATION: Send male 687 to Doswell and add male 753 from Doswell.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at OMAHA

Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
38	M	WILD	WILD	00.00.63	. .		OMAHA USA	14.11.66	OMA 1	314	SSP	0	0	
							OMAHA USA NA	14.11.66	SHAKE					
39	F	WILD	WILD	00.00.63	. .		OMAHA USA	14.11.66	OMA 2	315	SSP	0	0	
							OMAHA USA NA	14.11.66	NANDI					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
38	0	n/a	n/a	n/a	n/a	38 = 0.709, 0.000
39	0	n/a	n/a	n/a	n/a	39 = 0.709, 0.000

RECOMMENDATION: Send male 38 to Madison and add male 697 from Madison.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at PHOENIX
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
34	M	WILD	WILD	00.00.61	. .		PHOENIX USA	28.07.63	PHX 1	137	SSP	0	0	
							PHOENIX USA NA	28.07.63	KEHILA					
153	F	WILD	WILD	00.00.63	. .		SDWAP USA	17.02.71	SAW 12	1672	SSP	0	0	
							PHOENIX USA NA	01.05.75	TAMBILE					
898	M	34	153	14.07.87	. .		PHOENIX USA	14.07.87	PHX 7	5077	SSP	302	295	
							PHOENIX USA NA	14.07.87	OLLIE					

Males - 2 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
34	1	9025	153	M 14/07/87	Phoenix	34 = 1.064, 1.282
153	2	9025	34	M 14/07/87	Phoenix	153 = 1.418, 2.564
		219	52	F 08/05/73	Philadelphia	
9025	0	n/a	n/a	n/a	n/a	34 = 1.064, 1.282; 153 = 1.418, 2.564

RECOMMENDATION: Continue breeding existing pair.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at ROCKTON

Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
363	M	WILD	WILD	00.00.69	. .		ROCKTON CAN	03.05.73	ROK 1	100210	SSP	0	0	
							ROCKTON CAN NA	03.05.73	LUCIFER					
364	M	WILD	WILD	00.00.69	. .		ROCKTON CAN	03.05.73	ROK 2	100211	SSP	0	0	
							ROCKTON CAN NA	03.05.73	ABNER					
365	F	WILD	WILD	00.00.69	. .		ROCKTON CAN	03.05.73	ROK 3	100212	SSP	0	0	
							ROCKTON CAN NA	03.05.73	KATIE					
366	F	WILD	WILD	00.00.69	. .		ROCKTON CAN	03.05.73	ROK 4	100213	SSP	0	0	
							ROCKTON CAN NA	03.05.73	MAY					

Males - 2 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
363	0	n/a	n/a	n/a	n/a	363 = 0.709, 0.000
364	0	n/a	n/a	n/a	n/a	364 = 0.709, 0.000
365	0	n/a	n/a	n/a	n/a	365 = 0.709, 0.000
366	0	n/a	n/a	n/a	n/a	366 = 0.709, 0.000

RECOMMENDATION: Send female 365 or 366 to Toronto and add female 582 from Toronto.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at SALT LAKE CITY
 Printed on: 1.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
335	M	52	154	24.08.76	. .		SDWAP USA	24.08.76	SAW 35	00927	SSP	184	165	
							SALT LAKE CI USA NA	18.05.77	SHIMBAYA					
542	F	52	157	14.06.79	. .		SDWAP USA	14.06.79	SAW 45	02794	SSP	217	198	
							SALT LAKE CI USA NA	15.12.80	PRINCESS					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
335	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 154 = 1.770, 3.84
542	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 157 = 2.128, 5.12

RECOMMENDATION: Maintain status quo - related animals.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at SAN ANTONIO

Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
180	M	WILD	WILD	00.00.65	. .		SAN ANTONIO USA	05.10.70	STA 1	701002	SSP	0	0	
							SAN ANTONIO USA NA	05.10.70	FRED					
181	F	WILD	WILD	00.00.65	. .		SAN ANTONIO USA	05.10.70	STA 2	701003	SSP	0	0	
							SAN ANTONIO USA NA	05.10.70	GERTRUDE					
182	F	WILD	WILD	00.00.69	. .		SAN ANTONIO USA	13.02.71	STA 3	710202	SSP	0	0	
							SAN ANTONIO USA NA	13.02.71	PHOEBE					
897	M	180	182	01.07.87	. .		SAN ANTONIO USA	01.07.87	STA 12	871653	SSP	254	223	
							SAN ANTONIO USA NA	01.07.87						

Males - 2 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
180	2	202	181	M 28/08/72	Brownsville	180 = 1.418, 2.564
		9024	182	M 07/01/87	San Antonio	
181	1	202	180	M 28/08/72	Brownsville	181 = 1.064, 1.282
182	1	9024	180	M 07/01/87	San Antonio	182 = 1.064, 1.282
9024	0	n/a	n/a	n/a	n/a	180 = 1.418, 2.564; 182 = 1.064, 2.564

RECOMMENDATION: Continue breeding existing animals.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at SDWAP
 Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
48	M	WILD	WILD	00.00.60	. .		SAN FRANCISCO USA	26.11.63	SFO 1	587103	SSP	0	0	
							SDWAP USA NA	21.04.87	NDHELELENI					
147	F	WILD	WILD	00.00.63	. .		SDWAP USA	17.02.71	SAW 6	100255	SSP	0	0	
							SDWAP USA NA	17.02.71	MACITE					
150	F	WILD	WILD	00.00.63	. .		SDWAP USA	17.02.71	SAW 9	100258	SSP	0	0	
							SDWAP USA NA	17.02.71	SINAMRA					
154	F	WILD	WILD	00.00.63	. .		SDWAP USA	17.02.71	SAW 13	100262	SSP	0	0	
							SDWAP USA NA	17.02.71	MJUBA					
156	F	WILD	WILD	00.00.63	. .		SDWAP USA	17.02.71	SAW 15	100264	SSP	0	0	
							SDWAP USA NA	29.09.83	MAVULA					
157	F	WILD	WILD	00.00.63	. .		SDWAP USA	17.02.71	SAW 16	100265	SSP	0	0	
							SDWAP USA NA	17.02.71	KOMAAS					
159	F	WILD	WILD	00.00.63	. .		SDWAP USA	17.02.71	SAW 18	100267	SSP	0	0	
							SDWAP USA NA	17.02.71	UMFOLOZI					
277	F	WILD	WILD	00.00.63	. .		SAN DIEGO ZO USA	18.09.71	SAN 6	100271	SSP	0	0	
							SDWAP USA NA	01.11.72	NIHOMBI					
788	F	52	157	22.12.83	. .		SDWAP USA	22.12.83	SAW 63	012004	SSP	272	253	
							SDWAP USA NA	22.12.83						
819	F	52	155	24.06.84	. .		SDWAP USA	24.06.84	SAW 67	026210	SSP	278	259	
							SDWAP USA NA	24.06.84	DUMISHA					
822	F	52	150	28.08.84	. .		SDWAP USA	28.08.84	SAW 70	026342	SSP	280	261	
							SDWAP USA NA	28.08.84	SINYAA					
860	M	420	147	07.04.86	. .		SDWAP USA	07.04.86	SAW 77	005361	SSP	203	280	
							SDWAP USA NA	07.04.86	MDCMO					
861	M	420	155	11.05.86	. .		SDWAP USA	11.05.86	SAW 78	005486	SSP	204	281	
							SDWAP USA NA	11.05.86	DAMU					
864	M	420	159	23.09.86	. .		SDWAP USA	23.09.86	SAW 81	037621	SSP	209	286	
							SDWAP USA NA	23.09.86	UZAQ					
9034	F	420	157	05.07.88	. .		SDWAP USA	05.07.88		688448	SSP	230	307	
							SDWAP USA NA	05.07.88						

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at SDWAP

Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
9035	F	420	159	04.08.88	. .		SDWAP USA	04.08.88		688500	SSP	231	308	
							SDWAP USA NA	04.08.88						
9036	F	420	154	13.10.88	. .		SDWAP USA	13.10.88		688600	SSP	233	310	
							SDWAP USA NA	13.10.88	MWIVI					

Males - 4 Females - 13 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Currently living population at SDWAP

Printed on: 1.Jan.1989

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
48	0	n/a	n/a	n/a	n/a	48 = 0.709, 0.000
147	1	860	420	M 07/04/86	SDWAP	147 = 1.064, 1.282
150	2	238	52	F 15/04/73	TUCSON	150 = 1.418, 2.56
		822	52	F 28/08/84	SDWAP	
154	3	220	52	M 28/06/73	TOLEDO	154 = 1.770 3.846
		335	52	M 24/08/76	SALT LAKE CITY	
		9036	420	M 13/10/88	SDWAP	
156	0	n/a	n/a	n/a	n/a	156 = 0.709, 0.000
157	4	218	52	F 03/02/73	TORONTO	157 = 2.128, 5.128
		542	52	F 14/06/79	SALT LAKE CITY	
		788	52	F 22/12/83	SDWAP	
		9034	420	F 05/07/88	SDWAP	
159	2	864	420	M 23/09/86	SDWAP	159 = 1.418, 2.564
		9035	420	F 04/08/88	SDWAP	
277	0	n/a	n/a	n/a	n/a	277 = 0.709, 0.000
788	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 157 = 2.128, 5.12
819	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 155 = 1.064, 3.84
22	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 150 = 1.418, 2.56
860	0	n/a	n/a	n/a	n/a	420 = 2.482, 8.974; 147 = 1.064, 1.28
861	0	n/a	n/a	n/a	n/a	420 = 2.482, 8.974; 155 = 1.064, 3.84
864	0	n/a	n/a	n/a	n/a	420 = 2.482, 8.974; 159 = 1.418, 2.56
034	0	n/a	n/a	n/a	n/a	420 = 2.482, 8.974; 157 = 2.128, 5.12
9035	0	n/a	n/a	n/a	n/a	420 = 2.482, 8.974; 159 = 1.418, 2.56
9036	0	n/a	n/a	n/a	n/a	420 = 2.482, 8.974; 154 = 1.770, 3.84

RECOMMENDATION: Send adult female to Fossil Rim. Breed 48 to founder females.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at TAMPA
 Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISTS	Mng Grp	Sire Age	Dam Age	Death Age
44	M	WILD	WILD	00.00.61	. .		TAMPA USA	13.10.65	TPA 1	15315		0	0	
							TAMPA USA NA	13.10.65	GEORGE					
45	F	WILD	WILD	00.00.62	. .		TAMPA USA	13.10.65	TPA 2	15316		0	0	
							TAMPA USA NA	13.10.65	MAUDE					

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
44	0	n/a	n/a	n/a	n/a	44 = 0.709, 0.000
45	0	n/a	n/a	n/a	n/a	45 = 0.709, 0.000

RECOMMENDATION: These animals are apparently too infirm to be moved to other facilities for breeding and will be declared surplus to the SSP.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at TOLEDO
 Printed on: 3.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
178	F	WILD	WILD	00.00.68	. .		TOLEDO USA	22.09.70	TOL 2		SSP	0	0	
							TOLEDO USA NA	21.12.88	BERNADINE					
220	M	52	154	28.06.73	. .		SDWAP USA	28.06.73	SAW 21	880033	SSP	146	127	
							TOLEDO USA NA	15.11.88						
381	F	WILD	WILD	00.00.68	. .		STOCKBRIDGE USA	15.04.72	COL 3		SSP	0	0	
							TOLEDO USA NA	11.11.88						

Males - 1 Females - 2 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
178	0	n/a	n/a	n/a	n/a	178 = 0.709, 0.000
220	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 154 = 1.770, 3.84
381	0	n/a	n/a	n/a	n/a	381 = 0.709, 0.000

Recommendation: Breed existing animals.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at TORONTO
 Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
143	M	WILD	WILD	00.00.63	. .		SDWAP TORONTO	USA CAN NA 17.02.71 08.08.74	SAW 2 MIONDO	4314	SSP	0	0	
218	F	52	157	03.02.73	. .		SDWAP TORONTO	USA CAN NA 03.02.73 08.08.74	SAW 19 ISIBAMU	4315	SSP	141	122	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
143	0	n/a	n/a	n/a	n/a	143 = 0.709, 0.000
218	1	582	unk	F 13/10/79	Toronto	52 = 4.255, 15.385; 157 = 2.128, 5.12
582	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 157 = 2.128, 5.12 sire unknown

RECOMMENDATION: Send female 582 to Rockton and add either female 365 or 366 from Rockton.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at TUCSON
 Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
203	M	52	151	11.10.72	. .		SDWAP TUCSON	USA USA NA	11.10.72 08.06.76	SAN 3 ZIBULO	678 SSP	137	118	
238	F	52	150	15.04.73	. .		SDWAP TUCSON	USA USA NA	15.04.73 08.06.76	SAW 22 YEBONGA	238 SSP	144	125	

Males - 1 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
203	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 151 = 0.355, 1.28
238	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 150 = 1.418, 2.56

RECOMMENDATION: Send male 203 to Albuquerque and add male 359 from Albuquerque.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at VALLEJO
 Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
336	M	WILD	WILD	00.00.66	. .		REDWOOD CITY USA VALLEJO USA NA	01.05.72 01.01.88	RWC 1 POP	1022	SSP	0	0	
337	F	WILD	WILD	00.00.66	. .		REDWOOD CITY USA VALLEJO USA NA	01.05.72 01.01.88	RWC 2 MCM	1023	SSP	0	0	
9028	M	420	155	05.01.88	. .		SDWAP USA VALLEJO USA NA	05.01.88 01.03.88		688003	SSP	224	301	

Males - 2 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
336	0	n/a	n/a	n/a	n/a	336 = 0.709, 0.000
337	0	n/a	n/a	n/a	n/a	337 = 0.709, 0.000
9028	0	n/a	n/a	n/a	n/a	420 = 2.482, 8.974; 155 = 1.064, 3.846

RECOMMENDATION: Send male 336 to Fresno and add male 187 from Fresno.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at WPALM BEACH
 Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
559	M	WILD	WILD	00.00.68	. .		WPALM BEACH USA	00.01.72	WPB 2	14	SSP	0	0	
563	F	WILD	WILD	00.00.66	. .		WPALM BEACH USA	00.01.72	NO. 2/BUCK	17	SSP	0	0	
566	F	WILD	WILD	00.00.68	. .		WPALM BEACH USA	00.01.72	ALICE	12	SSP	0	0	
569	F	WILD	WILD	00.00.68	. .		WPALM BEACH USA	00.01.72	NO.4/AGGIE	22	SSP	0	0	
610	M	562	570	29.09.79	. .		WPALM BEACH USA	29.09.79	WPB 14	24	SSP	137	141	
612	F	562	566	06.05.79	. .		WPALM BEACH USA	06.05.79	GEORGE	10	SSP	132	137	
624	F	562	565	11.12.80	. .		WPALM BEACH USA	11.12.80	MOTLI	27	SSP	151	156	
625	M	562	568	25.02.81	. .		WPALM BEACH USA	25.02.81	WPB 19	28	SSP	154	159	
685	M	562	563	26.04.82	. .		WPALM BEACH USA	26.04.82	WPB 21	30	SSP	168	197	
858	M	558	566	13.12.86	. .		WPALM BEACH USA	13.12.86	WPB 28	57	SSP	211	228	
							WPALM BEACH USA NA	13.12.86	BAM-BAM					

Males - 5 Females - 5 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at WPALM BEACH
 Printed on: 30.Dec.1988

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
559	0	n/a	n/a	n/a	n/a	559 = 0.709, 0.000
563	1	685	562	M 26/04/82	WPALM BEACH	563 = 1.064, 1.282
566	2	612	562	F 06/05/79	WPALM BEACH	566 = 1.418, 2.564
		858	558	M 13/12/86	WPALM BEACH	
569	0	n/a	n/a	n/a	n/a	569 = 0.709, 0.000
610	0	n/a	n/a	n/a	n/a	562 = 1.773, 6.410; 570 = 1.064, 1.28
612	0	n/a	n/a	n/a	n/a	562 = 1.773, 6.410; 566 = 1.418, 2.56
624	0	n/a	n/a	n/a	n/a	562 = 1.773, 6.410; 565 = 1.064, 1.28
625	0	n/a	n/a	n/a	n/a	562 = 1.773, 6.410; 568 = 0.355, 1.28
685	0	n/a	n/a	n/a	n/a	562 = 1.773, 6.410; 563 = 1.064, 1.28
858	0	n/a	n/a	n/a	n/a	558 = 0.355, 1.282; 566 = 1.418, 2.56

RECOMMENDATION: Send young female to Tulsa when available.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at WHITE OAK
 Printed on: 3.Jan.1989

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
42	M	WILD	WILD	00.00.64	. .		JACKSONVILLE USA	10.06.67	JAX 1	8497	SSP	0	0	
							WHITE OAK USA NA	31.10.84	DUBELO					
43	F	WILD	WILD	00.00.64	. .		JACKSONVILLE USA	10.06.67	JAX 2	8471	SSP	0	0	
							WHITE OAK USA NA	22.08.84	ONGAWA					
177	M	WILD	WILD	00.00.68	. .		TOLEDO USA	22.09.70	TOL 1	8451	SSP	0	0	
							WHITE OAK USA NA	21.06.84	PHIL					

Males - 2 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
42	0	n/a	n/a	n/a	n/a	42 = 0.709, 0.000
43	0	n/a	n/a	n/a	n/a	43 = 0.709, 0.000
177	0	n/a	n/a	n/a	n/a	177 = 0.709, 0.000

Recommendation: Add female 533 from Jacksonville.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA
 Currently living population at WINSTON
 Printed on: 30.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
29	M	WILD	WILD	00.00.59	. .		BROOKFIELD USA	00.09.62	CHI 1		SSP	0	0	
							WINSTON USA NA	00.06.88	MASHUARA					
30	F	WILD	WILD	00.00.60	. .		BROOKFIELD USA	00.09.62	CHI 2		SSP	0	0	
							WINSTON USA NA	00.06.88	NEVA					
280	M	52	148	29.05.74	. .		SDWAP USA	29.05.74	SAW 23	006751	SSP	157	78	
							WINSTON USA NA	26.06.75	JACK					

Males - 2 Females - 1 Unknown - 0

OFFSPRING DATA:

Studbook Number	# Living Offspring	Offspring Stdbk #	Offspring Sire/Dam	Offspring Sex/DOB	Offspring Locat_Now	Founder Representation
29	0	n/a	n/a	n/a	n/a	29 = 0.709, 0.000
30	0	n/a	n/a	n/a	n/a	30 = 0.709, 0.000
280	0	n/a	n/a	n/a	n/a	52 = 4.255, 15.385; 148 = 1.042, 1.28

RECOMMENDATION: Consider future expansion to accommodate ten animals including no less than three males.

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 34

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
839	M	34	153	13.12.85	13.12.85		PHOENIX USA	13.12.85	PHX 06			283	276	0 D
							PHOENIX USA NA	13.12.85						
898	M	34	153	14.07.87	. .		PHOENIX USA	14.07.87	PHX 7	5077	SSP	302	295	
							.HOENIX USA NA	14.07.87	OLLIE					

Males - 2 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 40

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
771	M	40	397	04.04.83	07.06.83		MEMPHIS USA	04.04.83	MEM 05	5173		251	136	2 M
							MEMPHIS USA NA	04.04.83						
795	M	40	397	31.03.84	31.03.84		MEMPHIS USA	31.03.84	MEM 06	6044		263	148	0 D
							MEMPHIS USA NA	31.03.84						
842	F	40	397	19.08.85	. .		MEMPHIS USA	19.08.85	MEM 07	860603	SSP	280	165	
							CLEVELAND USA NA	06.06.86	KARLA					
914	M	40	397	23.10.87	. .		MEMPHIS USA	23.10.87		9277	SSP	306	191	
							MEMPHIS USA NA	23.10.87						
9030	F	40	397	04.09.79	05.09.79		MEMPHIS USA	04.09.79		2223		208	93	1 D
							MEMPHIS USA NA	04.09.79						

Males - 3 Females - 2 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 50

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
876	M	50	51	25.11.86	. .		LLANO USA LOUISVILLE USA NA	25.11.86 02.12.88	LLA 01		SSP	271	288	

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 51

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
876	M	50	51	25.11.86	. .		LLANO USA LOUISVILLE USA NA	25.11.86 02.12.88	LLA 01		SSP	271	288	

Males - 1	Females - 0	Unknown - 0
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SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 52

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
203	M	52	151	11.10.72	. .		SDWAP USA	11.10.72	SAN 3	678	SSP	137	118	
							TUCSON USA NA	08.06.76	ZIBULO					
212	F	52	159	14.12.72	27.01.73		SAN DIEGO ZO USA	14.12.72	SAN 4			139	120	1 M
							SAN DIEGO ZO USA NA	14.12.72						
213	M	52	152	19.12.72	. .		SAN DIEGO ZO USA	19.12.72	SAN 5		SSP	140	121	
							CALGARY CAN NA	23.09.88						
218	F	52	157	03.02.73	. .		SDWAP USA	03.02.73	SAW 19	4315	SSP	141	122	
							TORONTO CAN NA	08.08.74	ISIBAMU					
219	F	52	153	08.05.73	. .		SDWAP USA	08.05.73	SAW 20		SSP	144	125	
							FOSSIL RIM USA NA	28.11.88	HENRIETTA					
220	M	52	154	28.06.73	. .		SDWAP USA	28.06.73	SAW 21	880033	SSP	146	127	
							TOLEDO USA NA	15.11.88						
238	F	52	150	15.04.73	. .		SDWAP USA	15.04.73	SAW 22	238	SSP	144	125	
							TUCSON USA NA	08.06.76	YEBONGA					
280	M	52	148	29.05.74	. .		SDWAP USA	29.05.74	SAW 23	006751	SSP	157	78	
							WINSTON USA NA	26.06.75	JACK					
282	F	52	147	13.07.74	01.04.87		SDWAP USA	13.07.74	SAW 25	006752		158	139	153 M
							WINSTON USA NA	26.06.75	JILL					
283	F	52	154	22.09.74	15.02.76		SDWAP USA	22.09.74	SAW 26	101220		161	142	17 M
							WINSTON USA NA	26.06.75						
334	F	52	158	13.04.76	29.11.76		SDWAP USA	13.04.76	SAW 34	101684		179	160	8 M
							SDWAP USA NA	13.04.76						
335	M	52	154	24.08.76	. .		SDWAP USA	24.08.76	SAW 35	00927	SSP	184	165	
							SALT LAKE CI USA NA	18.05.77	SHIMBAYA					
540	F	52	150	04.04.79	. .		SDWAP USA	04.04.79	SAW 43		AUS	215	196	
							AUKLAND NZ AU	06.09.80						
541	M	52	154	05.05.79	. .		SDWAP USA	05.05.79	SAW 44		AUS	216	197	
							AUKLAND NZ AU	06.09.80						
542	F	52	157	14.06.79	. .		SDWAP USA	14.06.79	SAW 45	02794	SSP	217	198	
							SALT LAKE CI USA NA	15.12.80	PRINCESS					
647	M	52	277	22.04.80	25.09.81		SDWAP USA	22.04.80	SAW 49	103730		228	209	17 M
							SDWAP USA NA	22.04.80						
666	M	52	155	20.01.81	20.01.81		SDWAP USA	20.01.81	SAW 52	681025		237	218	0 D
							SDWAP USA NA	20.01.81						
689	M	52	157	17.07.82	17.07.82		SDWAP USA	17.07.82	SAW 56	682447		255	236	0 D
							SDWAP USA NA	17.07.82						

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 52

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
788	F	52	157	22.12.83	. .		SDWAP USA	22.12.83	SAW 63	012004	SSP	272	253	
							SDWAP USA NA	22.12.83						
819	F	52	155	24.06.84	. .		SDWAP USA	24.06.84	SAW 67	026210	SSP	278	259	
							SDWAP USA NA	24.06.84	DUMISHA					
820	F	52	159	08.07.84	. .		SDWAP USA	08.07.84	SAW 68		AUS	278	259	
							WELLINGTON NZ AU	25.04.86						
821	F	52	147	29.07.84	. .		SDWAP USA	29.07.84	SAW 69		AUS	279	260	
							WELLINGTON NZ AU	25.04.86						
822	F	52	150	28.08.84	. .		SDWAP USA	28.08.84	SAW 70	026342	SSP	280	261	
							SDWAP USA NA	28.08.84	SINYAA					
823	M	52	277	06.12.84	. .		SDWAP USA	06.12.84	SAW 71		AUS	283	264	
							WELLINGTON NZ AU	25.04.86						
824	F	52	154	24.01.85	03.11.87		SDWAP USA	24.01.85	SAW 72	027310		285	266	33 M
							SDWAP USA NA	24.01.85	MWILILJOOO					
825	F	52	156	06.04.85	27.11.88		SDWAP USA	06.04.85	SAW 73	860276		287	268	44 M
							HONOLULU USA NA	29.10.86	MGUUKUBWA					

Males - 10 Females - 16 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 147

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
282	F	52	147	13.07.74	01.04.87		SDWAP USA	13.07.74	SAW 25	006752		158	139	153 M
							WINSTON USA NA	26.06.75	JILL					
821	F	52	147	29.07.84	. .		SDWAP USA	29.07.84	SAW 69		AUS	279	260	
							WELLINGTON NZ AU	25.04.86						
860	M	420	147	07.04.86	. .		SDWAP USA	07.04.86	SAW 77	005361	SSP	203	280	
							SDWAP USA NA	07.04.86	MDCMO					
9032	M	420	147	15.02.88	. .		SDWAP USA	15.02.88				226	302	
							GELSENKIRCHE BRD EU	04.11.88						

Males - 2 Females - 2 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 148

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISLS	Mng Grp	Sire Age	Dam Age	Death Age
280	M	52	148	29.05.74	.	.	SDWAP WINSTON	USA USA NA	29.05.74 26.06.75	SAW 23 JACK	006751	SSP	157	78

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 150

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
238	F	52	150	15.04.73	. .		SDWAP TUCSON USA	15.04.73	SAW 22	238	SSP	144	125	
540	F	52	150	04.04.79	. .		SDWAP AUKLAND USA	08.06.76 04.04.79	YEBONGA SAW 43		AUS	215	196	
822	F	52	150	28.08.84	. .		SDWAP USA	06.09.80 28.08.84	SAW 70	026342	SSP	280	261	
877	F	420	150	23.04.86	24.04.86		SDWAP USA SDWAP USA NA	28.08.84 23.04.86 23.04.86	SINYAA SAW 82 SOKSI	005391		204	281	1 D

Males - 0 Females - 4 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 151

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
203	M	52	151	11.10.72	.	.	SDWAP TUCSON	USA USA NA	11.10.72 08.06.76	SAN 3 ZIBULO	678	SSP	137	118

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 152

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
213	M	52	152	19.12.72	. .		SAN DIEGO ZO USA CALGARY CAN NA	19.12.72 23.09.88	SAN 5		SSP	140	121	

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 153

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
219	F	52	153	08.05.73	. .		SDWAP USA	08.05.73	SAW 20		SSP	144	125	
							FOSSIL RIM USA NA	28.11.88	HENRIETTA					
839	M	34	153	13.12.85	13.12.85		PHOENIX USA	13.12.85	PHX 06			283	276	0 D
							PHOENIX USA NA	13.12.85						
898	M	34	153	14.07.87	. .		PHOENIX USA	14.07.87	PHX 7	5077	SSP	302	295	
							PHOENIX USA NA	14.07.87	OLLIE					

Males - 2 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 154

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
220	M	52	154	28.06.73	. .		SDWAP USA	28.06.73	SAW 21	880033	SSP	146	127	
							TOLEDO USA NA	15.11.88						
283	F	52	154	22.09.74	15.02.76		SDWAP USA	22.09.74	SAW 26	101220		161	142	17 M
							WINSTON USA NA	26.06.75						
335	M	52	154	24.08.76	. .		SDWAP USA	24.08.76	SAW 35	00927	SSP	184	165	
							SALT LAKE CI USA NA	18.05.77	SHIMBAYA					
541	M	52	154	05.05.79	. .		SDWAP USA	05.05.79	SAW 44		AUS	216	197	
							AUKLAND NZ AU	06.09.80						
824	F	52	154	24.01.85	03.11.87		SDWAP USA	24.01.85	SAW 72	027310		285	266	33 M
							SDWAP USA NA	24.01.85	MWILILJOGO					
863	F	420	154	09.08.86	. .		SDWAP USA	09.08.86	SAW 80			207	284	
							GELSENKIRCHE BRD EU	10.08.88	MSICHANA					
9036	F	420	154	13.10.88	. .		SDWAP USA	13.10.88		688600	SSP	233	310	
							SDWAP USA NA	13.10.88	MWIVI					

Males - 3 Females - 4 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 155

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
666	M	52	155	20.01.81	20.01.81		SDWAP USA	20.01.81	SAW 52	681025		237	218	0 D
							SDWAP USA NA	20.01.81						
819	F	52	155	24.06.84	. .		SDWAP USA	24.06.84	SAW 67	026210	SSP	278	259	
							SDWAP USA NA	24.06.84	DUMISHA					
861	M	420	155	11.05.86	. .		SDWAP USA	11.05.86	SAW 78	005486	SSP	204	281	
							SDWAP USA NA	11.05.86	DAMU					
9028	M	420	155	05.01.88	. .		SDWAP USA	05.01.88		688003	SSP	224	301	
							VALLEJO USA NA	01.03.88						

Males - 3 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 157

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
218	F	52	157	03.02.73	. . .		SDWAP USA	03.02.73	SAW 19	4315	SSP	141	122	
							TORONTO CAN NA	08.08.74	ISIBAMU					
542	F	52	157	14.06.79	. . .		SDWAP USA	14.06.79	SAW 45	02794	SSP	217	198	
							SALT LAKE CI USA NA	15.12.80	PRINCESS					
689	M	52	157	17.07.82	17.07.82		SDWAP USA	17.07.82	SAW 56	682447		255	236	0 D
							SDWAP USA NA	17.07.82						
788	F	52	157	22.12.83	. . .		SDWAP USA	22.12.83	SAW 63	012004	SSP	272	253	
							SDWAP USA NA	22.12.83						
9034	F	420	157	05.07.88	. . .		SDWAP USA	05.07.88		688448	SSP	230	307	
							SDWAP USA NA	05.07.88						

Males - 1 Females - 4 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 159

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
212	F	52	159	14.12.72	27.01.73		SAN DIEGO ZO USA SAN DIEGO ZO USA NA	14.12.72 14.12.72	SAN 4			139	120	1 M
820	F	52	159	08.07.84	. .		SDWAP USA WELLINGTON NZ AU	08.07.84 25.04.86	SAW 68		AUS	278	259	
864	M	420	159	23.09.86	. .		SDWAP USA SDWAP USA NA	23.09.86 23.09.86	SAW 81 UZA0	037621	SSP	209	286	
9035	F	420	159	04.08.88	. .		SDWAP USA SDWAP USA NA	04.08.88 04.08.88		688500	SSP	231	308	

Males - 1 Females - 3 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 180

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
202	M	180	181	28.08.72	. .		SAN ANTONIO USA	28.08.72	STA 4	3120	SSP	76	93	
							BROWNSVILLE USA NA	08.01.87	SHAKA					
897	M	180	182	01.07.87	. .		SAN ANTONIO USA	01.07.87	STA 12	871653	SSP	254	223	
							SAN ANTONIO USA NA	01.07.87						

Males - 2 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 181

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
202	M	180	181	28.08.72	.	.	SAN ANTONIO USA BROWNSVILLE USA NA	28.08.72 08.01.87	STA 4 SHAKA	3120	SSP	76	93	

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 182

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
897	M	180	182	01.07.87	.	.	SAN ANTONIO USA SAN ANTONIO USA NA	01.07.87 01.07.87	STA 12	871653	SSP	254	223	

Males - 1	Females - 0	Unknown - 0
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SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 390

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
533	F	390	391	05.03.79	. .		JACKSONVILLE USA	05.03.79	JAX 6	1298	SSP	106	123	
							JACKSONVILLE USA NA	05.03.79	GLORIA					
879	M	390	533	18.03.85	18.03.85		JACKSONVILLE USA	18.03.85	JAX 11			179	72	0 D
							JACKSONVILLE USA NA	18.03.85						
9021	M	390	391	23.01.87	. .		JACKSONVILLE USA	23.01.87	JAX 07	2733	SSP	201	218	
							JACKSONVILLE USA NA	23.01.87	CYRANO					
9033	M	390	533	21.03.88	. .		JACKSONVILLE USA	21.03.88		2915	SSP	215	109	
							JACKSONVILLE USA NA	21.03.88	JOEY					

Males - 3 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 391

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
533	F	390	391	05.03.79	. .		JACKSONVILLE USA	05.03.79	JAX 6	1298	SSP	106	123	
							JACKSONVILLE USA NA	05.03.79	GLORIA					
9021	M	390	391	23.01.87	. .		JACKSONVILLE USA	23.01.87	JAX 07	2733	SSP	201	218	
							JACKSONVILLE USA NA	23.01.87	CYRANO					

Males - 1 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 397

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
771	M	40	397	04.04.83	07.06.83		MEMPHIS USA	04.04.83	MEM 05	5173		251	136	2 M
							MEMPHIS USA NA	04.04.83						
795	M	40	397	31.03.84	31.03.84		MEMPHIS USA	31.03.84	MEM 06	6044		263	148	0 D
							MEMPHIS USA NA	31.03.84						
842	F	40	397	19.08.85	. .		MEMPHIS USA	19.08.85	MEM 07	860603	SSP	280	165	
							CLEVELAND USA NA	06.06.86	KARLA					
914	M	40	397	23.10.87	. .		MEMPHIS USA	23.10.87		9277	SSP	306	191	
							MEMPHIS USA NA	23.10.87						
9030	F	40	397	04.09.79	05.09.79		MEMPHIS USA	04.09.79		2223		208	93	1 D
							MEMPHIS USA NA	04.09.79						

Males - 3 Females - 2 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 420

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
860	M	420	147	07.04.86	. .		SDWAP USA	07.04.86	SAW 77	005361	SSP	203	280	
							SDWAP USA NA	07.04.86	MDCMO					
861	M	420	155	11.05.86	. .		SDWAP USA	11.05.86	SAW 78	005486	SSP	204	281	
							SDWAP USA NA	11.05.86	DAMU					
863	F	420	154	09.08.86	. .		SDWAP USA	09.08.86	SAW 80			207	284	
							GELSENKIRCHE BRD EU	10.08.88	MSICHANA					
864	M	420	159	23.09.86	. .		SDWAP USA	23.09.86	SAW 81	037621	SSP	209	286	
							SDWAP USA NA	23.09.86	UZAO					
877	F	420	150	23.04.86	24.04.86		SDWAP USA	23.04.86	SAW 82	005391		204	281	1 D
							SDWAP USA NA	23.04.86	SOKSI					
909	M	420	156	22.05.87	24.06.88		SDWAP USA	22.05.87		687308		217	294	13 M
							SDWAP USA NA	22.05.87	MANZILI					
9028	M	420	155	05.01.88	. .		SDWAP USA	05.01.88		688003	SSP	224	301	
							VALLEJO USA NA	01.03.88						
9031	F	420	277	26.01.88	. .		SDWAP USA	26.01.88				225	302	
							GELSENKIRCHE BRD EU	04.11.88						
9032	M	420	147	15.02.88	. .		SDWAP USA	15.02.88				226	302	
							GELSENKIRCHE BRD EU	04.11.88						
9034	F	420	157	05.07.88	. .		SDWAP USA	05.07.88		688448	SSP	230	307	
							SDWAP USA NA	05.07.88						
9035	F	420	159	04.08.88	. .		SDWAP USA	04.08.88		688500	SSP	231	308	
							SDWAP USA NA	04.08.88						
9036	F	420	154	13.10.88	. .		SDWAP USA	13.10.88		688600	SSP	233	310	
							SDWAP USA NA	13.10.88	MWIVI					

Males - 6 Females - 6 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 453

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
772	F	618	453	03.03.83	.	.	KNOXVILLE USA	03.03.83	IAE 44	100906	SSP	190	243	
							LOUISVILLE USA NA	23.05.85	LULU					
793	F	618	453	01.06.79	01.06.79		KNOXVILLE USA	01.06.79	KNO 12			145	198	0 D
							KNOXVILLE USA NA	01.06.79						

Males - 0 Females - 2 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 558

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
858	M	558	566	13.12.86	.	.	WPALM BEACH USA WPALM BEACH USA NA	13.12.86 13.12.86	WPB 28 BAM-BAM	57	SSP	211	228	

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 562

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
610	M	562	570	29.09.79	. .		WPALM BEACH USA	29.09.79	WPB 14	24	SSP	137	141	
							WPALM BEACH USA NA	29.09.79	GEORGE					
612	F	562	566	06.05.79	. .		WPALM BEACH USA	06.05.79	WPB 16	10	SSP	132	137	
							WPALM BEACH USA NA	06.05.79	MOILI					
624	F	562	565	11.12.80	. .		WPALM BEACH USA	11.12.80	WPB 18	27	SSP	151	156	
							WPALM BEACH USA NA	11.12.80						
625	M	562	568	25.02.81	. .		WPALM BEACH USA	25.02.81	WPB 19	28	SSP	154	159	
							WPALM BEACH USA NA	25.02.81						
685	M	562	563	26.04.82	. .		WPALM BEACH USA	26.04.82	WPB 21	30	SSP	168	197	
							WPALM BEACH USA NA	26.04.82						

Males - 3 Females - 2 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 563

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
685	M	562	563	26.04.82	. .		WPALM BEACH USA WPALM BEACH USA NA	26.04.82 26.04.82	WPB 21	30	SSP	168	197	

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 565

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
624	F	562	565	11.12.80	.	.	WPALM BEACH USA WPALM BEACH USA NA	11.12.80 11.12.80	WPB 18	27	SSP	151	156	

Males - 0 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 566

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
612	F	562	566	06.05.79	. .		WPALM BEACH USA	06.05.79	WPB 16	10	SSP	132	137	
							WPALM BEACH USA NA	06.05.79	MOILI					
858	M	558	566	13.12.86	. .		WPALM BEACH USA	13.12.86	WPB 28	57	SSP	211	228	
							WPALM BEACH USA NA	13.12.86	BAM-BAM					

Males - 1 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 568

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
625	M	562	568	25.02.81	.	.	WPALM BEACH USA WPALM BEACH USA NA	25.02.81 25.02.81	WPB 19	28	SSP	154	159	

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 570

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
610	M	562	570	29.09.79	.	.	WPALM BEACH USA	29.09.79	WPB 14	24	SSP	137	141	
							WPALM BEACH USA NA	29.09.79	GEORGE					

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 573

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
575	F	573	574	19.08.77	. .		ASHEBORO USA KNOXVILLE USA NA	19.08.77 09.11.88	NCL 3		SSP	76	93	

Males - 0 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 574

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
575	F	573	574	19.08.77	.	.	ASHEBORO USA KNOXVILLE USA NA	19.08.77 09.11.88	NCL 3		SSP	76	93	

Males - 0 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 618

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # Housename	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
772	F	618	453	03.03.83	. .		KNOXVILLE USA LOUISVILLE USA NA	03.03.83 23.05.85	IAE 44 LULU	100906	SSP	190	243	
790	M	618	452	03.01.84	. .		KNOXVILLE USA CLEVELAND USA NA	03.01.84 23.05.85	KNO 10 KYLE	850503	SSP	200	193	
791	F	618	620	11.01.84	. .		KNOXVILLE USA LOUISVILLE USA NA	11.01.84 23.05.85	KNO 11 SINDI	100905	SSP	200	217	
793	F	618	453	01.06.79	01.06.79		KNOXVILLE USA KNOXVILLE USA NA	01.06.79 01.06.79	KNO 12			145	198	0 D
9020	M	618	620	20.02.87	21.02.87		KNOXVILLE USA KNOXVILLE USA NA	20.02.87 20.02.87				238	255	1 D

Males - 2 Females - 3 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 620

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
791	F	618	620	11.01.84	. .		KNOXVILLE USA	11.01.84	KNO 11	100905	SSP	200	217	
							LOUISVILLE USA NA	23.05.85	SINDI					
9020	M	618	620	20.02.87	21.02.87		KNOXVILLE USA	20.02.87				238	255	1 D
							KNOXVILLE USA NA	20.02.87						

Males - 1 Females - 1 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 752

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
755	M	754	752	10.06.79	. .		DOSWELL USA DOSWELL USA NA	10.06.79 10.06.79	DOS 6 MILTON	750	SSP	109	126	

Males - 1 Females - 0 Unknown - 0

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from sire 754

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
755	M	754	752	10.06.79	. .		DOSWELL USA	10.06.79	DOS 6	750	SSP	109	126	
							DOSWELL USA NA	10.06.79	MILTON					
756	F	754	751	28.08.79	24.03.83		DOSWELL USA	28.08.79	DOS 7			112	129	43 M
							DOSWELL USA NA	28.08.79	STORMY					

Males - 1	Females - 1	Unknown - 0
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DEVELOPMENT OF AN SSP MASTERPLAN

1. DATA COMPILATION

The first step in development of an SSP Masterplan is to compile the basic data required for population analysis.

This compilation will often be in the form of a Studbook. However, ISIS should be involved in the compilation process: initially as a source of data for studbook development; ultimately as a repository of the assembled data. An important part of the compilation process is a "clean up" of the ISIS data.

The basic data required on each animal for population analysis and management are:

- (A) Individual identification - a simple numeric lifetime identity.

To achieve this identification, it may be necessary to link a series of different ID numbers the animals has had as it moved from one institution to another in its captive history, e.g. the local ISIS specimen ID numbers.

- (B) Sex
- (C) Birthdate
- (D) Deathdate
- (E) Parentage - if captive born
- (F) Place of capture - if wild caught
- (G) Institutions/facilities where it has been, with dates
- (H) Available information on circumstances of death

With these data, genetic and demographic analyses can be performed.

2. GENETIC ANALYSES

- (A) Construct the pedigree for each animal in the population.

This process may be literally the construction of a pedigree chart or more often will be an inherent part of various algorithms and computer programs, e.g. the additive relationship matrix or various "gene drop" computations.

(B) Identify all the founders of the population.

A founder is an animal:

- (a) which is from outside the population (usually the wild)
 - (b) which has no known relationship to any other individual at its time of entry into the population.
 - (c) which has descendants in the living population.
- (C) Compute the representation of founders ("bloodlines"), or better the probable distribution of founder alleles, in living individuals and the present population as a whole.
- (D) Hence, determine the relative representation of founders (bloodlines) or probable distribution of founder alleles in the population.
- (E) Locate any extreme bottlenecks in the history of particular founder lineages or bloodlines.

This step may be an inherent part of more sophisticated algorithms that calculate probable distributions of founder alleles rather than just crude founder representation.

- (F) Calculate the founder representation or founder allele distribution in offspring of the possible matings of living members of the population.
- (G) Determine of the number and sex ratio of animals that actually reproduce in the population.
- (H) Calculate the number of offspring of each living individual in the population and hence the mean and variance of lifetime family sizes.
- (I) Estimate the genetically effective population size (N_e) of the population and then the N_e/N ratio, where N is the total number of animals in the population.
- (J) Calculate the inbreeding coefficients of existing individuals in the population and of the potential offspring of possible matings between these animals.
- (K) Conduct various biochemical analyses that measure genetic variability (e.g. electrophoretic, DNA, and karyotypic studies).

3. DEMOGRAPHIC ANALYSES

- (A) Determine the size of the current population and the number of institutions over which it is distributed.

It will also usually be necessary to know this information roughly for other taxa with similar "captive ecologies", i.e. space and resource requirements, e.g. the Siberian Tiger SSP needs to be cognizant of the other tiger and large felid populations.

- (B) Determine the age and sex structure of the population.
- (C) Compute the age-specific survivorships and fertilities of the population, i.e. construct a life table consisting of demographic parameters.
- (D) Establish a carrying capacity that is a compromise between a minimum viable population (MVP) for genetic and demographic viability and a maximum number that will not preclude other taxa from the zoo ark.

This carrying capacity should specify the number not only of animals but of the facilities over which they should optimally be distributed.

The lower limit of the carrying capacity, the MVP, will be determined primarily by reference to the long-term genetic objectives of the program and the biological characteristics of the population.

The genetic objectives of relevance are:

- (a) The kind of genetic diversity that is to be preserved, e.g. average heterozygosity or allelic diversity.
- (b) The amount of the original genetic diversity that is to be preserved.
- (c) The period of time this level of genetic diversity is to be preserved.

The biological characteristics of the population of relevance are:

- (a) The generation time of the population (under probable patterns of mortality and various actual or managed schedules of reproduction) and hence the number of generations that will occur during the absolute period of time (e.g. 200 years) over which the propagation program is to operate.

Generation times should actually be computed from demographic parameters. It is presumed the schedule of reproduction in the SSP population will be regulated to extend generation time for genetic reasons.

In any case, dividing the absolute number of years over which the propagation program is intended to operate by this generation time for the population will indicate the number of generations over which diversity is to be preserved.

- (b) The effective number of founders that have established the population.

Bottlenecks in lineages of some founders may reduce them to only fractional effectiveness in the living population.

- (c) The N_e/N ratio in the population.
- (d) The growth rate of the population from founder number to carrying capacity.

In the absence of more refined or species-specific recommendations on the long-term genetic objectives, the guideline of 90% of average heterozygosity for 200 years may be used as a crude starting point. Reference to the graphs or algorithms that have been generated, considering effective number of founders, will prescribe an MVP for these genetic objectives.

This MVP will be in terms of effective population number N_e . Realities of managing the species (e.g., the need for or problem of uneven sex ratios for gregarious species, especially with difficult to manage males) should be considered to estimate likely N_e/N ratios, i.e. effective number to total number. Dividing the MVP by this N_e/N ratio will indicate the actual number of animals that must be maintained to produce the desired MVP.

A secondary consideration for determination of the MVP is demographic stochasticity and is significant if the MVP prescribed by genetic considerations is fewer than 50-100. Populations (N 's) smaller than 50 and possibly even 100 may be particularly vulnerable to "crashes" or extinctions due to random demographic causes, e.g. epidemic diseases, natural disasters, or sex-ratio distortions.

The upper limit on carrying capacity should be derived by an analysis of:

- (1) The amount of captive habitat (space and resources) that seems to be available for this and other taxa (esu's ?) with similar "zoo ecologies" (i.e. enclosure requirements, exhibit value, etc.)
- (2) The number of taxa (esu's) that are in need of assistance from captive propagation and may be competing for this captive habitat.

The size of current populations and information on expansion plans can be used to estimate the captive habitat available. Information on status and trends of wild populations as well as considerations of taxonomic uniqueness can be used to decide the number of taxa that are in need of captive propagation.

Simple division of available habitat by the number of taxa will suggest the upper limit on carrying capacity.

If this number is less than the MVP, then prioritization and selectivity of the competing taxa will be necessary.

- (E) Using the data on these demographic parameters, analyze
 - (a) The rate of change, i.e. the growth or decline, of the population.
 - (b) Hence, the capacity of the population for self-sustainment.
 - (c) Whether the population is at, or when it will be at, the carrying capacity.
 - (d) How the fertilities and survivorships can be managed by "removals" of animals and regulation of reproduction (birth control) to stabilize the population at the desired carrying capacity.

This process may entail much "what if" analysis to determine how managerial modifications to the patterns of survivorship and fertilities will affect population size, growth rate, age distribution, etc.

- (F) If the survivorships and fertilities are not adequate for the population to be self-sustaining, devise a program of research in reproductive, behavioral, other biology to resolve the problem.

4. POPULATION MANAGEMENT

Once these genetic and demographic analyses are performed, an SSP Masterplan for propagation and management of the population can be formulated.

The SSP Masterplan should provide recommendations, institution by institution and animal by animal, for every individual in the population maintained by SSP Participants

Specifically, the Masterplan should:

- (A) Designate which animals are surplus because they are
 - (a) from over-represented bloodlines or lineages
 - (b) too old to reproduce
 - (c) have already produced their share of offspring and have attained the oldest age class necessary or allowable for a stable age distribution in the SSP population.
- (B) State explicitly that surplus animals should not be reproduced again.

Further recommendations on disposal of surplus will vary from program to program, time to time, and institution to institution. The issue of euthanasia will have to be confronted in this regard.

- (C) Recommend which animals should reproduce.
 - (a) When.

A schedule over at least the next 1 to 5 years is needed.
 - (b) With whom.

These recommendations of course may entail relocation of animals between facilities.
- (D) Explain the genetic and demographic criteria or objectives on which the surplus and reproduction recommendations are based. There should also be an explanation of how the Masterplan arrived at the particular carrying capacity established.

Normally, these genetic and demographic guidelines will include:

- (a) An attempt to rapidly expand and stabilize the population at its established carrying capacity.
- (b) A strategy to maximize preservation of genetic diversity.

Currently, the best methods to achieve this objective seem to be:

- Adjust representation of founder lineages to be proportional to the probable distribution of alleles surviving from founders at initiation of the program.

As the capabilities for genetic analysis and management are sophisticated, the somewhat crude objective of equalizing founder representation may be replaced by methods (e.g., the "gene drop" models discussed at the Workshop) that more directly relate to the probable distribution of actual alleles from the founding animals in the living population. The objective then would be to "optimize" the relative representation of founder alleles.

However, even with the method of crude founder representation, a founder's representation may need to be adjusted below parity (equality) if it has passed through an extreme bottleneck.

Equalization of bloodlines may require considerably unequal reproduction by various individuals to rectify disparities that have developed in the past.

- Equalize lifetime family sizes.

This process will become fully operative only once the past inequalities in founder representation have been corrected.

- Manage inbreeding coefficients.

Observe that this is not the primary criteria for genetic management. Frequently, there should be an attempt to minimize inbreeding coefficients within the constraints of the previous criteria.

However, there may be cases when inbreeding is deliberately employed to achieve some objective or solve some problem, e.g. purge of deleterious alleles in the Speke's gazelle program.

- Perhaps subdivide the population into several parts or demes between which gene flow (i.e., usually exchange of animals but also increasing of gametes or embryos) is regulated.

5. HUSBANDRY STANDARDS

Husbandry standards for the taxon, ideally culminating in production of a Handbook which can be kept current as new advances occur.

6. REVIEW AND RATIFICATION

Once the SSP Masterplan is formulated, it should be reviewed, revised if appropriate, and ratified by the Propagation Group.

The Masterplan should then be submitted to the SSP Subcommittee for their evaluation and hopeful endorsement. The SSPSC may suggest some modifications to the Masterplan.

7. IMPLEMENTATION

Once approved, the Masterplan should be distributed to each of the Participating Institutions through its Institutional Representatives. The Species Coordinators and Propagation Group should provide follow-up to encourage and facilitate implementation.

FIGURE 1

DECLINE OF GENETIC DIVERSITY FOR VARIOUS
EFFECTIVE POPULATION SIZES (N_e)
POSSIBLE FOR A TOTAL POPULATION (N) OF 250

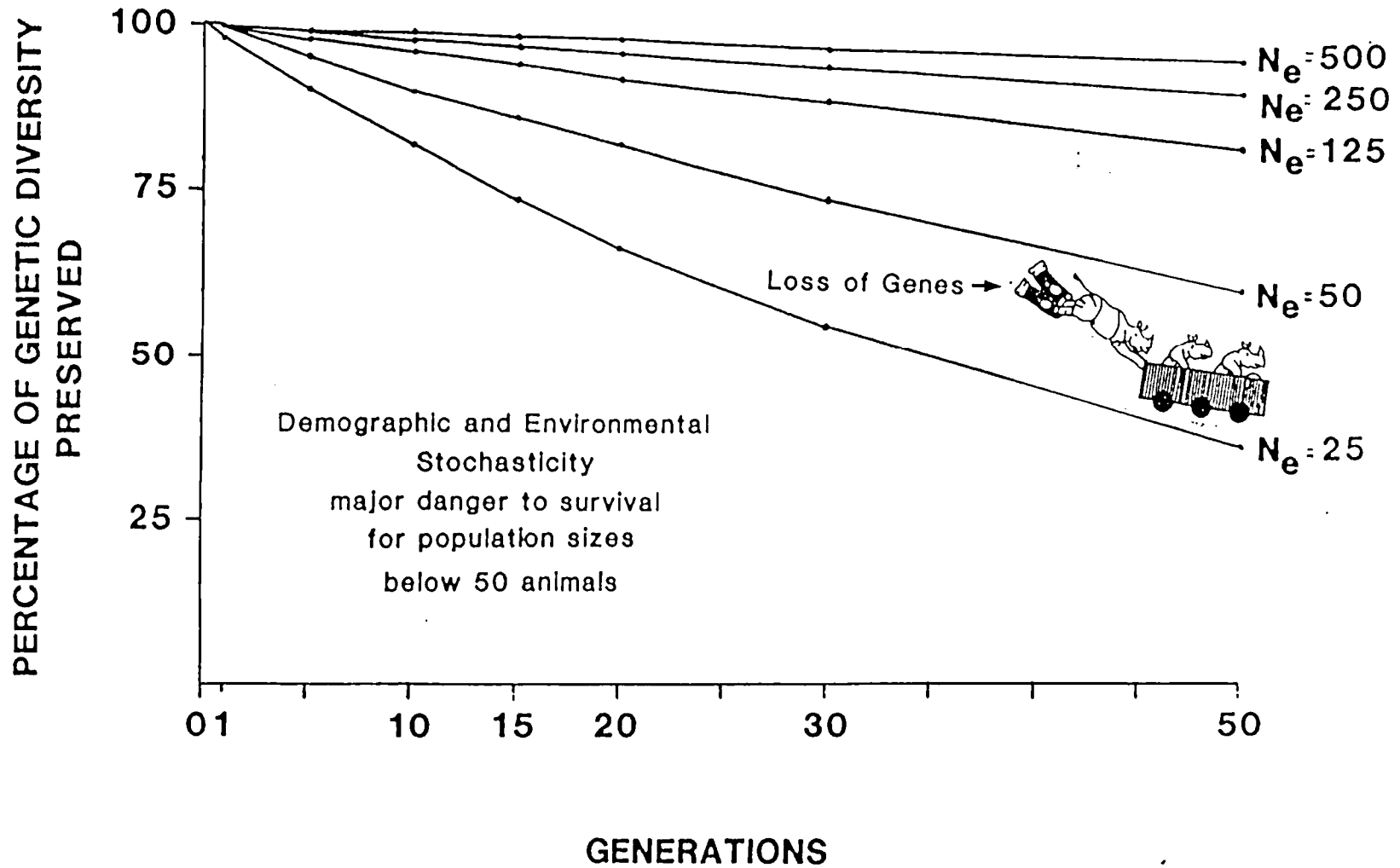


TABLE 1

D5: U 17

READY

	A	B	C	D	E	F	G	H
1	Ne and Carrying Capacity Necessary for Maintaining the Specified							
2	Amount of Genetic Diversity for a Specified Time Period.							
3								
4	-----ENTER-----				-----CALCULATED-----			
5	YEARS PER GENERATION:			17	# GEN DURING PERIOD:			11
6	YEARLY % GROWTH RATE:		1.020		GEN. GROWTH RATE:			1.40
7	EFFECTIVE # FOUNDERS:		25		GEN. EXPON. GROWTH:			0.34
8	ESTIMATED Ne/N RATIO:		0.5					
9	DESIRED % HET. RETAINED:		0.90					
10	LENGTH OF TIME PERIOD:		200 YEARS					
11								
12	***** TYPE ALT 'K' TO INITIATE THE CALCULATIONS *****							
13								
14	Effective Size required to maintain desired amount of							
15	original variation for the specified length of time:							
16								68
17	Carrying Capacity necessary to maintain desired							
18	amount of the original variation over this time:							
19								135
20	-----							
20	j.ballou June, 1986							
20-Aug-87	03:16 PM							
	CALC							

TABLE 3

CARRYING CAPACITY REQUIRED TO ACHIEVE DESIRED OBJECTIVES GIVEN PARAMETERS

Objectives: 90% Heterozygosity 200 Years

Parameters: Generation Time = 17 Years
Growth Rate = 1.02

<u>Founders</u>	<u>Ne/N Ratio</u>			
	0.3	0.5	0.7	1.0
10	-	-	-	-
15	-	-	-	-
20	301	180	129	90
25	225	135	97	68
30	197	118	84	59
35	187	112	80	56

TABLE 4

CARRYING CAPACITY REQUIRED TO ACHIEVE DESIRED OBJECTIVES GIVEN PARAMETERS

Objectives: 90% Heterozygosity 170 Years

Parameters: Generation Time = 17 Years Growth Rate = 1.02

<u>Founders</u>	<u>Ne/N Ratio</u>			
	0.3	0.5	0.7	1.0
10	-	-	-	-
15	-	-	-	-
20	256	154	110	77
25	193	116	83	58
30	176	105	76	53
35	166	100	71	50

TABLE 5

CARRYING CAPACITY REQUIRED TO ACHIEVE DESIRED OBJECTIVES GIVEN PARAMETERS

Objectives: 90% Heterozygosity 200 Years

Parameters: Generation Time = 15 Years Growth Rate = 1.02

<u>Founders</u>	<u>Ne/N Ratio</u>			
	0.3	0.5	0.7	1.0
10	-	-	-	-
15	-	-	-	-
20	517	310	222	155
25	299	179	128	89
30	251	151	108	75
35	231	139	99	69

TABLE 6

CARRYING CAPACITY REQUIRED TO ACHIEVE DESIRED OBJECTIVES GIVEN PARAMETERS

Objectives: 90% Heterozygosity 150 Years

Parameters: Generation Time = 15 Years Growth Rate = 1.02

<u>Founders</u>	<u>Ne/N Ratio</u>			
	0.3	0.5	0.7	1.0
10	-	-	-	-
15	-	-	-	-
20	286	171	122	86
25	202	121	87	61
30	179	107	77	54
35	167	100	71	50

TABLE 7

CARRYING CAPACITY REQUIRED TO ACHIEVE DESIRED OBJECTIVES GIVEN PARAMETERS

Objectives: 90% Heterozygosity

200 Years

Parameters: Generation Time = 17 Years

Growth Rate = 1.04

<u>Founders</u>	<u>Ne/N Ratio</u>			
	0.3	0.5	0.7	1.0
10	3665	2199	1571	1099
15	300	180	129	90
20	231	139	99	69
25	202	121	86	61
30	195	117	83	58
35	186	112	80	56

TABLE 8

CARRYING CAPACITY REQUIRED TO ACHIEVE DESIRED OBJECTIVES GIVEN PARAMETERS

Objectives: 90% Heterozygosity

200 Years

Parameters: Generation Time = 15 Years

Growth Rate = 1.04

<u>Founders</u>	<u>Ne/N Ratio</u>			
	0.3	0.5	0.7	1.0
10	-	-	-	-
15	413	248	177	124
20	288	173	124	86
25	254	153	109	76
30	233	140	100	70
35	222	133	95	66

SOUTHERN WHITE RHINO-SPECIES SURVIVAL-PLAN NORTH AMERICA

Offspring from dam 452

Printed on: 22.Dec.1988

Stbk #	Sex	Sire #	Dam #	Date of Birth	Date of Death	Inbr. Coeff.	First location Location now	- arrived - since	Breeder # House name	Last ISIS	Mng Grp	Sire Age	Dam Age	Death Age
790	M	618	452	03.01.84	.	.	KNOXVILLE USA CLEVELAND USA NA	03.01.84 23.05.85	KNO 10 KYLE	850503	SSP	200	193	

Males - 1 Females - 0 Unknown - 0
