

AZA Regional Studbook
Hamerkop (*Scopus umbretta*)



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GEOGRAPHIC SCOPE OF REGIONAL STUDBOOK

The Hamerkop North American Regional Studbook documents all hamerkops that reside or once resided in institutions of The United States and Canada. This studbook is written at the species level (*Scopus umbretta*).

The Historical Studbook contains 559 specimens (192.204.163). The Living Studbook contains 80 confirmed specimens (45.36.0) currently living in 42 institutions. The data is current through 26 October 2012.

INTRODUCTORY NOTES

This studbook includes the following assumptions and estimates:

- Capture Info- UNKNOWN place of capture was changed to AFRICAN.
UNKNOWN date of capture was changed to 3 months (EST M) before the bird first appeared at a N. American institution.
- Transfer Info- UNKNOWN date to a Dealer was changed to 2 months
(est. M) before the bird first appeared at a N. American institution.
- Hatch Info- UNKNOWN date of hatch was changed to 1 January one year BEFORE the bird first appeared at a N. American institution.
- Sire/Dam Info- UNKNOWN individuals were changed to MULTI and probable parent ID's are entered in Special Data quadrant of individuals record. These probable parent ID's are entered in order of probability and accompanied by supportive evidence.
- Linkage- Most birds that were linked were obvious. Those that were not include supportive evidence in the Special Data quadrant of the individuals' record.
- Temporary #'s- Each bird's original temporary number, assigned by ISIS, was placed in the birds file under Special Data. Birds that represent linked records will have more than one temporary studbook number in its file.
- Gestation Length- Gestation of 35 days was placed in studbook data for SPARKS to detect errors in parentage, hatch locations, etc... 35 days represents an incubation period of 30 days 12 hours, and a 4 day period between laying and setting.

THE NATURAL HISTORY OF THE HAMERKOP

DESCRIPTION

The hamerkop is the only representative of the Suborder Scopi and Family Scopidae. It is unique both physically and behaviorally, and its origins are largely unknown. The family has generally been regarded as nearest to the Balaenicipitidae, and the bill resembles that of the Shoebill and Boat Bill herons. The hamerkop has a pectinated middle toe like the herons, a free hind toe similar to the flamingos, and its parasites are otherwise found only on plovers. Egg white protein electrophoresis suggests hamerkops are closest to the storks, and work on their DNA places them between the storks and flamingos. The majority of systematists agree that the hamerkop deserves to remain in its own Suborder.

The hamerkop is the Afrikaans word for hammerhead (Reference, 1990). The bird is so named due to its head and crest, which together are anvil-like in shape. This is a brown, long-legged bird with brown eyes, a black bill and black legs. Sexes are alike with the male being slightly larger. It is unmistakable in the field. Its wings are broad and rounded, and its flight is owl-like. This species holds its neck outstretched while soaring or gliding, similar to the storks. Field measurements of the nominate race, *Scopus u. umbretta* are 50-56 cm in length and 415-430 g in weight.

There are 2 subspecies in the literature: *Scopus u. umbretta*, and *Scopus u. minor*. *Scopus u. minor* is smaller, darker, and limited to the coastal range between Sierra Leone to southeast Nigeria. Wing measurements of *Scopus u. minor* are 246-286 mm compared to 297-316 mm of the nominate race. The hamerkops from the island of Madagascar are sometimes considered a separate race and referred to as *Scopus u. bannermani*. However, generally *Scopus u. bannermani* is not an accepted subspecies by systematists. No physical difference between the Madagascar Hamerkop and *Scopus u. umbretta* is available in the referenced literature.

RANGE AND HABITAT

The hamerkop is found throughout Africa from Senegal east to Somalia and south to Cape Province. They are also found widespread throughout Madagascar and in southwest Arabia.

This species is found in all habitats from forest to semi-desert, wherever water is available. They are most common in well-watered savanna or woodland, less common in forests, and in semi arid areas they are often only seasonal residents (Brown et al, 1982). Hamerkops require a source of shallow water for feeding. The other main requirement of hamerkops is a place to build its enormous nests. Trees are preferred but cliffs and rocky hillsides are also used. Trees are preferred for roosting as well.

HABITS AND BEHAVIORS

In early accounts, hamerkops were recorded to be largely nocturnal (Grzimeks 1972). However, more recent studies show the bird to be mostly diurnal and partly crepuscular. Peak activity occurs at early morning, mid-morning and dusk. Hamerkops are usually found alone or in pairs, although sometimes they may come together in groups of up to 10 individuals. Rarely a group of 50 (+/-) has been sighted together (Brown et al, 1982).

When hamerkops come together there is often a social greeting display including a peculiar behavior known as "False-mounting". This involves one bird climbing on the back of another. However, there is no cloacal contact. Birds can be of the same or opposite sex, and they are not necessarily even facing the same direction. The purpose of this behavior is unknown, but it would appear to be some sort of social display. False-mounting can preclude true copulation. However, it can also occur during other social encounters, totally irrelevant to breeding.

DIET

The hamerkop diet consists of a high percentage of amphibians in most of its range, although they are not essential. The frogs and tadpoles of the African Clawed Frog (*Xenopus*) are particularly favored. Another significant part of the diet is small fish (*Tilapia*, *Clarias*, *Barbus*). Other prey includes crustaceans, insects, worms and occasionally small mammals (Brown et al, 1982).

Hamerkops capture prey while wading in shallow waters or on the wing. In shallow waterways they shuffle their feet and flash open their wings, both attempts to startle potential prey. When their quarry is in view, they pluck it up quickly with precision. Hamerkops will also fly low over water and scoop up schools of small fish and tadpoles with its beak. Their foraging success also benefits from the presence of large herbivores. They often follow Cape buffalo and domestic cattle, catching the prey disturbed by them. These birds have also been seen hunting frogs while riding on the backs of hippopotami.

REPRODUCTION

Hamerkops are territorial, but they are not actively aggressive towards intruders, and territories overlap. A casual observer of their nests might mistakenly conclude that they are even colonial nesters as several nests will be found together. However, this clumping of nest sites is due to the fact that a single pair may build several nests in close proximity--sometimes even in the same tree! These birds are monogamous and pairs remain together for many years. An average pair builds 3-5 nests every year. Nest building does not necessarily correlate to breeding and one theory suggests that the objective of nest building is actually to strengthen the pair bond (Wilson and Wilson, 1988). When breeding is eminent, hamerkops have quite an elaborate courtship display. The male bobs his wings and crest up and down at his mate, which is often followed by dancing around one another and jumping in the air. Sometimes a courtship flight accompanied by croaking follows this. False mounting may also occur at this time. Finally, true copulation takes place. Copulation is quite frequent and can occur on or near the nest, or it can take place on the ground up to 100 m from the nest.

THE NEST

The spectacular nest of the hamerkop has been a remarkable sight to travelers of Africa for many years. The nest averages 1.5 m in height and width (Bannerman, 1930), is estimated to weigh over 200 lbs (Priest, 1933), and may be built with more than 8000 pieces. The nest is usually placed about 9 m up in a fork of a large tree but nests have also been sighted on cliffs or rocky hillsides.

The nest is constructed by both sexes and takes 3-6 weeks to complete (Cowles, 1930). Nesting material is collected in an area less than 100 m from the nest. Building materials include sticks, dead reeds, grasses, mud and dung. Construction proceeds as follows: first a cup-shape structure is formed; then the sides are built up;

next the roof is put on (starting at one corner); finally, the interior is lined with mud and dung. There is some discrepancy in the literature concerning the number of chambers the nest contains. There are records of 1-3 interior chambers, and some nests have built-in ledges as well.

The entrance hole to the nest is very narrow and usually faces downward from one side. Entering and exiting the nest is quite an acrobatic feat. To leave the nest, the bird must fold his wings, drop out of the hole, then immediately open them and fly upwards. Getting into the nest, the bird flies low, then swoops up pulling his wings in at the last second to enter in an "upward dive" (Kahl, 1967).

After the structure of the nest is complete --and sometimes even after the eggs hatch (Cowles, 1930) -- the male begins decorating the nest with oddities. Some of the items include rags, bones, plastic, paper, crockery, cloth, tin, matchboxes, snake-sheds, tortoise shell, dead birds, dead frogs, and dead monitor lizards (Liversidge, 1963).

EGG-LAYING AND INCUBATION

In East Africa laying occurs all year round. Elsewhere it peaks at different times. Laying tends to be less frequent during the rains and peaks slightly right after the rains and during the dry season. This is surprising for a bird that has a diet consisting primarily of aquatic prey. Therefore, it would seem that breeding and rearing of chicks is not entirely dependent on an abundant food source (Brown et al, 1982).

Hamerkops typically lay 3-6 chalk white eggs with a 24-48 hour interval between laying. Field studies found average egg size to be 45.03 cm X 34.32 cm and an average weight of 27.6 g (Wilson, and Wilson, 1988). Both sexes incubate, although the female spends far more time on the nest. Incubation lasts 28-32 days and usually begins before the clutch is complete. Chicks hatch asynchronously. Eggs may be left unattended for fairly long periods of the day while the parents are foraging, and surface egg temperatures are surprisingly low during incubation (Kahl, 1967). Eggs and chicks can become vulnerable to invading monitor lizards while adults are away.

CHICK DEVELOPMENT

Newly hatched chicks are covered with smoky-grey down. Their legs are flesh colored and their bills are brown. The eyes are open upon hatching and are a light grey in color. On day 5 the bill has grown as broad as it is long and resembles the bills of adult boat-bill herons or shoebill storks. The bill grows longer and thinner after this stage until it resembles an adult hamerkop (Kahl, 1967). At six days the crest is apparent (Cowles, 1930) and at 17 days the head is fully feathered and resembles one of an adult. Chicks acquire full adult plumage between the 21st (Kahl, 1967) and 30th day (Cowles, 1930). Chicks weigh about 20g at hatch and weight increases steadily to a maximum of 600g at 35 days, then decreases to an average of 500 g at first flight (Liversidge, 1963).

Both parents feed the young. Tadpoles of the clawed frog (*Xenopus*) and small fish are popular food items offered chicks. The nest is unattended for long periods during the day while the parents are foraging. Internal temperature of the nest varies little and is generally cooler than environmental temperatures (Brown et al, 1982). One or both parents roost in the nest with the young at night.

Hamerkops fledge 47-50 days after the first egg hatches. All of the young leave the nest at same time, even though there may be some difference in size due to asynchronous hatching (Kahl, 1967). There is

conflicting data on whether chicks return to the nest after fledging (Cowles, 1930, and Kahl, 1967). A recent study (Wilson and Wilson, 1988) states that fledged young can immediately fly back into the nest hole without difficulty and return daily for 14 days. The breeding pair and fledglings may roost together up to one month after the chicks have taken their first flight.

Studies of hamerkops suggest that this species has a low average breeding success. Available data indicate the following potential causes of this low breeding success: nests are constructed but not used (up to 78%); frequent egg losses (up to 50%); losses of young in nest (up to 30-40%). This equals .13 young reared per adult. This low reproductive rate would imply that the Hamerkop probably has a mean adult life span of 20 years (Brown et al, 1982). Longevity of wild hamerkops has not been studied.

RELATIONSHIPS TO OTHER ANIMALS

There is no reference to a predator of adult hamerkops. However, little long-term research has been done on this species. Hamerkop chicks and eggs often fall prey to monitor lizards invading the nest. Several other animals will drive hamerkops from their nest to use as a nesting site: The Verreaux's Eagle Owl will take over the nest at its beginning nest-bowl stage. Completed nests are often usurped by Barn Owls and Grey Kestrels. Abandoned hamerkop nests are used by the Egyptian goose, Knob-billed Duck, African Pygmy Goose, and Spectacled Pigeon. The nest is also used as a daytime resting area by genets, monitor lizards and large snakes (Brown et al, 1982).

As noted earlier, hamerkops often take advantage of large herbivores to stir up prey for them. Prey includes amphibians, fish, invertebrates, and occasionally small mammals (see Natural History: Diet). The African Fish Eagle is known to frequently rob hamerkops of their freshly caught fish and cause them to spend more time foraging.

RELATIONSHIP TO MAN

The hamerkop is the origin of more legends and superstitions than any other African bird (Condry, 1967). This bird is regarded with respect and superstition among native Africans. It is thought to have supernatural powers and considered an evil omen. If a hamerkop flies over the hut of a villager and vocalizes, it is considered bad luck and the home is abandoned (Condry, 1967). Natives also believe that harming a hamerkop is a very serious offense and the persecutor can be punished in many ways: his cattle may suffer an epidemic; lightning may strike his house; and he can even die as a result (Reference, 1990).

The belief that hamerkops have supernatural powers may have stemmed, in part, from the mystery surrounding their nest. Hamerkops nests are often surrounded by other birds, and natives believe that other birds pay homage to the hamerkop by helping build their huge nests (Grant, 1957). (Actually these birds are probably stealing nesting material, or trying to usurp their nest.) The collection of strange articles, dead animals and human effects that adorn the nest also contributed to the superstition. Additionally, the wide range of animals that can emerge from a Hamerkop nest (i.e., birds of prey, small mammals, venomous snakes, etc.) must have initiated some of these legends.

Fortunately, the belief that the hamerkop holds supernatural powers has helped this species thrive in its range.

STATUS AND CONSERVATION

The status of this species is frequent to locally abundant throughout its range. The hamerkop has been given formal protection by various African government agencies since 1968 (Curry-Lindahl, 1981). However, the greatest protection afforded this bird comes from the ominous legends surrounding it in native African folklore.

There are no current estimates of the wild population in the literature. Hamerkop numbers are thought to be increasing, due to man-made additions of aquatic habitat (i.e., dams, fishing ponds, and irrigation ditches) (Brown et al, 1982). This close association with artificial waterways, however, may make this species highly susceptible to the poor water quality resulting from heavy pesticide use.

HAMERKOPS IN CAPTIVITY: BACKGROUND AND ANIMAL MANAGEMENT

BACKGROUND

The hamerkop is a popular species in captivity due to its "charismatic" personality; it's striking (pterodactyl-like!) appearance and its spectacular nest. It has a long history and a bright future in captive collections.

Hamerkops have been held in European zoos for many years, In fact, the first successful captive hatch occurred in the London Zoo in 1901. Hamerkops in North American Zoological collections are a relatively recent occurrence

The first hamerkop brought to North America occurred in 1958, when Philadelphia Zoo imported one from L. Ruhe. Several other institutions began importing hamerkops in the early 1960's. These were all wild caught individuals brought in by dealers.

Only three N. American hamerkops have a lineage that can be traced back to the European captive collection. These were siblings that hatched at the Frankfurt zoo and transferred to Los Angeles in 1976. Los Angeles has no further record of these birds and they are presumed dead. Since Los Angeles has not had success breeding this species it is assumed that these birds passed on no genetic material to the current captive population. Therefore, it would appear that the N. American captive collection is unrelated to hamerkops in Europe.

A total number of 73 wild individuals has been introduced to the N. American population by animal dealers from 1959-1992. Northland, J. Fouts, Worldwide Primates and Nakuru were responsible for the majority of these imports. The largest importation of hamerkops to N. America occurred from 1985 to 1987, when 43 wild caught individuals were added to the captive collection. Recently in 1999 and 2000 five wild caught hamerkops were imported by the San Diego Wild Animal Park.

HOUSING

The hamerkop makes an interesting, active exhibit animal. Their huge nest with odd adornments is a notable attraction to zoo visitors. Since they co-exist well with a variety of other species, the special requirement for this species is small. The minimum required space for a pair is reported to be 200 square feet X 10 feet high. In addition to being excellent exhibit animals, hamerkops are also used at 2 institutions as education animals (Kansas City, Busch Gardens).

In most North American zoos' hamerkops are kept in indoor, temperature controlled aviaries. The second most popular type of exhibit is an enclosed outdoor seasonal aviary. In this second type of exhibit, birds are brought into a separate exhibit or holding facility in cooler weather. In warm climates, hamerkops are even left outside year 'round without access to a heated shelter (Dallas), but this is more the exception than the rule. These birds thrive when the exhibit is well lit, have several perching areas, and have a source of shallow water and a secure site to build its huge nest. Hamerkops endure high temperatures and humidity well. However, one institution states that their pair is more likely to abandon eggs when humidity is very high. (Lowry). Hamerkops are most often exhibited with a variety of other species. They have been exhibited successfully with other ciconiiformes, small soft bills, large soft-bills, cranes, gallinaceous birds, waterfowl and hoof stock. At

one institution, they are even known to frequent the gorilla exhibit and steal straw for nesting material. One institution has reported an isolated incident when adult hamerkops preyed on unprotected ducklings in a mixed species exhibit.

PROPAGATION

Historically, the breeding of captive hamerkops has been sporadic and inconsistent. The first successful hatch occurred at Franklin Park in 1979 (SB#11, SB#18). That pair continued to reproduce and has contributed significantly to the gene pool of the N. American collection.

Other hamerkop pairs have been less reliable breeders. Some pairs nest build but do not lay eggs. Other pairs may produce offspring one year, then do not produce another. At the other end of the spectrum, some pairs produce several clutches a year and need to be controlled in their breeding. More captive studies are needed to determine what triggers consistent breeding of this species in captivity.

Sexual maturity of both males and females was thought to be at around 18- 24 months, according to the literature. Most hamerkops are at least this age before producing their first clutch. However, there are exceptions. A female at Franklin Park (SB#38) produced viable young at 6 months, and a male at Orlando (SB#284) was 11 months when he bred successfully. It should be noted that although both these birds produced young, neither clutch was raised successfully by these young parent birds.

Hamerkops are not truly seasonal breeders. They have laid eggs in every month of the year in N. American collections as is true for their wild counterparts in East Africa. Hamerkops are monogamous, territorial birds. They are usually kept together as pairs, or same sex individuals. There are several accounts of aggressive behavior exhibited from the breeding pair to juvenile chicks or additional hamerkops in the same exhibit area. Many of these aggressive encounters have led to severe trauma and even death to the recipient.

Juveniles should be removed when parent birds start showing signs of re-nesting. The behaviors of false mounting and true copulation have been documented in a few specimen records of individuals, and are similar to the accounts of wild hamerkops (see Natural History section). Nest building is accomplished by both sexes and takes 2-6 weeks to complete. Some pairs will use a nest where they raised a former clutch, others build a new nest every year, and still others will build 3-4 nests per year and never copulate or lay an egg.

The main components of nests in captivity include sticks (12" and larger), pampas grass, Sudan hay, Bermuda hay, straw, palm fronds, bamboo, cattails, other aquatic vegetation and mud. Hamerkops have been observed taking dry nesting materials and wetting them in shallow water before adding them to their nest. Nests in captivity are usually in a fork of a tree (13-20' above ground). The next most popular nest sites include ledges, and berms, but they will even build on the ground if elevated sites are not available. Nests are often near (<15') or overhanging water. Hamerkops require little to no cover surrounding their nest site.

Hamerkops often decorate their nest with unusual materials similar to wild hamerkops in the literature. However, there is no indication if this venture in "exterior decorating" is an activity reserved only for the male, as is indicated in some accounts of this species in nature. Nor do records indicate the time frame this activity occurs (i.e., prior to laying, during incubation, following hatching, etc). More detailed observations and records are needed in this area. Decorations on nests of captive birds include: zoo maps, sunglasses, coke cups, wind breakers, aluminum foil, thongs, children's toys, feathers of other birds, dead birds, and dead geckos.

Records of egg laying intervals are limited but 24-48 hours seems to be the most common spacing between eggs. Clutches consist of 1-8 eggs with 3-5 being the most common range reported. If eggs are pulled or broken, at early stages of incubation, a replacement clutch is usually laid. Problems causing egg failure include infertility, predation, and abandonment. Abandonment has been due to disturbance near their nest, high humidity, or for no apparent reason.

Incubation lasts 28-30 days (30 days most common). Both parents take turns incubating although the female spends a great deal more time on the nest. Incubation usually begins before all eggs are laid and there are several reports of asynchronous hatching in captivity. Siblings usually hatch 0-4 days apart. The longest period of time between the hatching of siblings is 17 days! (Atlanta)

Both parents feed and care for the young. There is little documentation on parental behavior with chicks or time spent with young. Several zoos report supplementing the adults diets prior to egg-laying and during the rearing period (see Diet subsection). Chicks usually fledge 30-52 days after hatching (40-50 most common). Some fledglings begin self-feeding immediately; others are dependent on their parents for food up to 14 days after their first flight.

At least 11 individuals have been successfully hand-reared by 5 institutions. San Diego Zoo, Lowry Park, and Sea World of Florida have the most experience hand-rearing chicks. (See Hand-Rearing Protocol). Birth control in Hamerkops is usually accomplished by separating individuals or pulling eggs and replacing with dummies. One male has been vasectomized (Bronx).

DIET

The captive diets for the hamerkops usually include fish, bird of prey, "pinkie" or "fuzzy" mice, and invertebrates. Dog food is also offered by some zoos. Vitamin E and Thiamine are usually supplemented when fish is fed. Some zoos offer Calcium supplements (ie., OsCal, DiCal) on a regular basis. Other zoos report that they supplement calcium exclusively during, egg-laying and chick-rearing. (Dallas reports nutritional problems with a product called "Calcium-Care".) At several zoos a multivitamin (Vionate) is offered birds on a regular basis. If hamerkops are kept outdoors, diet is increased in colder temperatures. Increasing the diet just prior to egg-laying, and when chicks hatch is also recommended.

Several zoos warn that these birds will pick out favorite items and exclude other needed dietary components. Nutrition related problems in hamerkops include metabolic bone disease in parent-reared chicks and renal gout in adult birds. More studies are needed in the area of captive hamerkop nutrition.

IDENTIFICATION

Traditionally these birds have been banded on the lower leg with permanent metal bands. A second colored plastic band, with or without numbers, has been used on the upper leg to discriminate individuals at a distance. Transponders have been used in 8 birds to date, and are placed in the pectoral muscle. Some institutions have reported that transponders migrate and are difficult to locate in similar species, so two transponders are sometimes used.

SEXING

In the past, hamerkops have been sexed by laparoscopy. Recently these birds have been sexed by genetic analysis of blood samples. Zoogen and Avian Biotech have data bases to reliably sex these birds, and is a less invasive procedure. Overall measurements and weights of wild Hamerkops indicate that the male is usually larger than the female, but there is overlap between the sexes and overall size is not a reliable method in captive birds. No studies of bill length or leg length correlating to sexual dimorphism can be found in the literature.

HEALTH

Some reported common medical problems include parasites, bumble foot , bacterial pneumonia and aspergillosis. There are several reports of injuries due to trauma. These injuries result from aggression by other hamerkops or are self-inflicted (flying into glass-fronted or wire exhibits). Reported non-fatal injuries due to trauma include: broken mandible, leg and wing fractures and eye injuries. The causes for traumatic injuries inflicted by exhibit mates are reported as: aggression during introductions, aggression during breeding period (from breeding pair towards juvenile or adult hamerkops); or no apparent reason for aggression.

Necropsy results of dead individuals in the historical studbook include: unknown; trauma (exhibit mate); trauma (self-inflicted); metabolic bone disease; stress; renal and visceral gout; infectious disease; bacterial pneumonia; egg bound; drowning (usually 2' to trauma);and myopathy.

The longevity record in the N. American collection is a male from Franklin Park (SB#11) who lived 25 years and produced viable young until age 18.

Living Population

45.36.0 (81) at 42 Institutions

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
ATLANTA - Zoo Atlanta, Atlanta, GA, USA											
520	7/15/2007	Day	407	486	Female	Not Contracepted	Hatch	NZP-WASH	215693	7/15/2007	Day
							Transfer	ATLANTA	A80013	4/24/2008	None
Totals: 0.1.0 (1)											
BALTIMORE - Maryland Zoo in Baltimore, Baltimore, MD, USA											
376	1/7/1999	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	990101	1/7/1999	Day
							Transfer	LAKEBUENA	300301	3/28/2000	None
							Transfer	BALTIMORE	441	4/25/2000	None
Totals: 1.0.0 (1)											
BATONROUG - BREC's Baton Rouge Zoo, Baker, LA, USA											
352	4/26/1997	None	247	210	Female	Not Contracepted	Hatch	HOUSTON	16795	4/26/1997	None
							Transfer	BATONROUG	8237	8/12/1997	None
495	2/19/2006	None	299	456	Male	Not Contracepted	Hatch	HONOLULU	206031	2/19/2006	None
							Transfer	DENVER	A07338	8/2/2007	None
							Transfer	BATONROUG	10579	4/11/2011	None
Totals: 1.1.0 (2)											
BUSCH TAM - Busch Gardens Tampa Bay, Tampa, FL, USA											
333	4/21/1996	None	217	190	Male	Not Contracepted	Hatch	FRESNO	960030	4/21/1996	None
							Transfer	SEAWLD TX	HI5002	12/12/1996	None
							Transfer	BUSCH TAM	61676	12/3/2001	None
355	7/19/1997	None	333	307	Female	Not Contracepted	Hatch	SEAWLD TX	HI5004	7/19/1997	None
							Transfer	BUSCH TAM	60020	10/29/1997	None
373	5/6/1998	None	247	210	Female	Not Contracepted	Hatch	HOUSTON	17377	5/6/1998	None
							Transfer	SEAWLD TX	HI5010	1/12/1999	None
							Transfer	BUSCH TAM	61677	12/3/2001	None
380	2/5/1999	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	8532	2/5/1999	None
							Transfer	BUSCH TAM	61441	6/4/2001	None
Totals: 2.2.0 (4)											
CALDWELL - Caldwell Zoo, Tyler, TX, USA											
507	3/23/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809128	3/23/2009	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	CALDWELL	106566	11/11/2009	None
556	12/9/2011	None	427	435	Male	Not Contracepted	Hatch	DENVER	A11338	12/9/2011	None
							Transfer	CALDWELL	107062	6/13/2012	None

Totals: 1.1.0 (2)

CALGARY - Calgary Zoo, Garden & Prehistoric Park, Calgary, Alberta, Canada

412	3/23/2001	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	801171	3/23/2001	None
							Transfer	CALGARY	105807	9/27/2001	None

Totals: 1.0.0 (1)

CAMDEN

433	9/4/2002	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	020404	9/4/2002	Day
							Transfer	GULF BREZ	A3317	5/12/2003	None
							Transfer	CAMDEN	2665	11/29/2005	None
467	4/17/2004	None	394	455	Female	Not Contracepted	Hatch	SANDIEGOZ	304096	4/17/2004	None
							Transfer	CAMDEN	2169	11/16/2004	None

Totals: 1.1.0 (2)

CHICAGOLP - Lincoln Park Zoological Gardens, Chicago, IL, USA

506	3/23/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809120	3/23/2009	None
							Transfer	CHICAGOLP	22489	5/6/2010	None
513	1/21/2008	None	495	435	Male	Not Contracepted	Hatch	DENVER	A08013	1/21/2008	None
							Transfer	CHICAGOLP	22485	4/28/2010	None

Totals: 1.1.0 (2)

CINCINNAT - Cincinnati Zoo & Botanical Garden, Cincinnati, OH, USA

512	1/21/2008	None	495	435	Male	Not Contracepted	Hatch	DENVER	A08012	1/21/2008	None
							Transfer	CINCINNAT	210059	5/5/2010	None

Totals: 1.0.0 (1)

DALLAS - Dallas Zoo, Dallas, TX, USA

491	9/22/2008	None	376	413	Male	Not Contracepted	Hatch	BALTIMORE	5645	9/22/2008	None
							Transfer	DALLAS	10K317	5/11/2010	None
499	1/19/2007	None	299	456	Female	Not Contracepted	Hatch	HONOLULU	207009	1/19/2007	None
							Transfer	DALLAS	07H356	6/28/2007	None
562	8/11/2011	None	491	499	Female	Not Contracepted	Hatch	DALLAS	11L336	8/11/2011	None

Totals: 1.2.0 (3)

DENVER - Denver Zoological Gardens, Denver, CO, USA

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
427	4/9/2002	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	9360	4/9/2002	None
							Transfer	DENVER	A11204	8/11/2011	None
435	9/6/2002	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	802281	9/6/2002	None
							Transfer	DENVER	A03332	9/25/2003	None
560	4/8/2012	None	427	435	Male	Not Contracepted	Hatch	DENVER	A12071	4/8/2012	None
Totals: 2.1.0 (3)											
DETROIT - Detroit Zoological Society, Royal Oak, MI, USA											
502	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809037	3/23/2009	None
							Transfer	DETROIT	12748	4/26/2011	None
Totals: 1.0.0 (1)											
DISNEY AK - Disney's Animal Kingdom, Bay Lake, FL, USA											
504	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809039	3/23/2009	None
							Transfer	DISNEY AK	110320	5/10/2011	None
555	12/7/2011	None	427	435	Female	Not Contracepted	Hatch	DENVER	A11322	12/7/2011	None
							Transfer	DISNEY AK	120486	6/21/2012	None
Totals: 1.1.0 (2)											
DUISBURG - Zoo Duisburg AG, Duisburg, N Rhine-Westph, Germany											
13	1/1/1969	Unknown	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	2/1/1970	Month
							Transfer	M.DAVIS		3/1/1970	Month
							Transfer	FRANKFURT	21993	5/26/1970	None
							Transfer	DUISBURG		1/29/1981	None
Totals: 0.1.0 (1)											
FORTWORTH - Fort Worth Zoological Park, Ft Worth, TX, USA											
469	4/17/2004	None	394	455	Male	Not Contracepted	Hatch	SANDIEGOZ	304098	4/17/2004	None
							Transfer	FORTWORTH	204413	3/23/2006	None
554	12/9/2011	None	427	435	Female	Not Contracepted	Hatch	DENVER	A11321	12/9/2011	None
							Transfer	FORTWORTH	207512	6/7/2012	None
Totals: 1.1.0 (2)											
FRANKLINP - Zoo New England, Franklin Park Zoo, Boston, MA, USA											
521	3/18/2007	Day	217	439	Female	Not Contracepted	Hatch	FRESNO	270128	3/18/2007	Day
							Transfer	FRANKLINP	A07453	11/8/2007	None
Totals: 0.1.0 (1)											
FRESNO - Fresno Chaffee Zoo, Fresno, CA, USA											

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
439	9/6/2002	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	802293	9/6/2002	None
							Transfer	FRESNO	230087	7/21/2003	None
Totals: 0.1.0 (1)											
GARDENCTY - Lee Richardson Zoo, Garden City, KS, USA											
476	7/15/2003	Day	327	408	Male	Not Contracepted	Hatch	ORLANDO	HAM263	7/15/2003	Day
							Transfer	GARDENCTY	207034	11/13/2007	None
Totals: 1.0.0 (1)											
HONOLULU - Honolulu Zoo, Honolulu, HI, USA											
299	11/1/1993	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	394034	11/1/1993	None
							Transfer	HONOLULU	940302	8/3/1994	None
456	6/4/2003	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	803165	6/4/2003	None
							Transfer	HONOLULU	204016	3/25/2004	None
497	1/19/2007	None	299	456	Male	Not Contracepted	Hatch	HONOLULU	207007	1/19/2007	None
Totals: 2.1.0 (3)											
HOUSTON - Houston Zoo, Inc., Houston, TX, USA											
410	3/23/2001	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	801158	3/23/2001	None
							Transfer	HOUSTON	19579	9/28/2001	None
496	2/19/2006	None	299	456	Male	Not Contracepted	Hatch	HONOLULU	206033	2/19/2006	None
							Transfer	HOUSTON	25301	4/14/2010	None
Totals: 1.1.0 (2)											
JACKSONVL - Jacksonville Zoo and Gardens, Jacksonville, FL, USA											
485	6/20/2006	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	060195	6/20/2006	Day
							Transfer	JACKSONVL	607310	4/23/2007	None
524	2/8/2007	Day	426	388	Female	Not Contracepted	Hatch	PHILADELP	205542	2/8/2007	Day
							Transfer	WORLDBIRD	M07017	3/6/2007	None
							Transfer	JACKSONVL	609326	3/10/2009	None
Totals: 1.1.0 (2)											
LINCOLN C - Lincoln Children's Zoo (former Folsom), Lincoln, NE, USA											
437	9/6/2002	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	802290	9/6/2002	None
							Transfer	LINCOLN C	1434	4/4/2006	None
Totals: 1.0.0 (1)											
LOWRY - Tampa's Lowry Park Zoo, Tampa, FL, USA											
474	3/12/2005	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	805034	3/12/2005	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	LOWRY	205446	3/30/2006	None
509	7/8/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809187	7/8/2009	None
							Transfer	LOWRY	206287	3/9/2011	None
Totals: 1.1.0 (2)											
MARYLAND - MARYLAND, , North America, USA											
552	8/15/2011	Day	376	413	Female	Not Contracepted	Hatch	MARYLAND	6161	8/15/2011	Day
Totals: 0.1.0 (1)											
MONTGOMRY - Montgomery Zoo, Montgomery, AL, USA											
400	6/29/1999	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	8650	6/29/1999	None
							Transfer	MONTGOMRY	2945	9/17/2001	None
Totals: 1.0.0 (1)											
NY BRONX - Bronx Zoo/Wildlife Conservat'n Society, Bronx, NY, USA											
242	2/28/1991	None	193	189	Male	Neutered/Sterile	Hatch	KANSASCTY	202705	2/28/1991	None
							Transfer	NY BRONX	912153	9/19/1991	None
515	4/1/2007	Day	353	354	Female	Not Contracepted	Hatch	DISNEY AK	070133	4/1/2007	Day
							Transfer	NY BRONX	B08027	3/13/2008	None
Totals: 1.1.0 (2)											
NZIP-WASH - Smithsonian National Zoological Park, Washington, DC, USA											
407	3/30/2000	None	367	375	Male	Not Contracepted	Hatch	TOLEDO	1216	3/30/2000	None
							Transfer	NZIP-WASH	214656	9/14/2000	None
Totals: 1.0.0 (1)											
OAKLAND - Oakland Zoo, Oakland, CA, USA											
505	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809040	3/23/2009	None
							Transfer	OAKLAND	2576	3/9/2010	None
551	8/15/2011	Day	376	413	Female	Not Contracepted	Hatch	MARYLAND	6160	8/15/2011	Day
							Transfer	OAKLAND	2965	6/4/2012	None
Totals: 1.1.0 (2)											
OMAHA - Omaha's Henry Doorly Zoo, Omaha, NE, USA											
364	3/10/1998	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	8361	3/10/1998	None
							Transfer	OMAHA	10661	9/9/1998	None
446	7/15/2002	Month	252	397	Male	Not Contracepted	Hatch	OMAHA	13064	7/15/2002	Month
Totals: 2.0.0 (2)											
ORLANDO - Sea World Orlando, Orlando, FL, USA											

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
327	9/30/1995	None	247	210	Male	Not Contracepted	Hatch	HOUSTON	15959	9/30/1995	None
							Transfer	SCOTTSSBLU	953	2/22/1996	None
							Transfer	ORLANDO	HAM261	9/24/2002	None
408	6/5/2000	None	331	189	Female	Not Contracepted	Hatch	KANSASCTY	A00057	6/5/2000	None
							Transfer	ORLANDO	HAM260	10/24/2000	None
Totals: 1.1.0 (2)											
PHILADELPH - The Philadelphia Zoo, Philadelphia, PA, USA											
388	10/12/1999	Day	353	378	Female	Not Contracepted	Hatch	DISNEY AK	990474	10/12/1999	Day
							Transfer	PHILADELPH	205304	10/8/2002	None
Totals: 0.1.0 (1)											
PITTS CA - National Aviary in Pittsburgh, Pittsburgh, PA, USA											
431	9/4/2002	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	020402	9/4/2002	Day
							Transfer	PITTS CA	6606	9/17/2003	None
518	7/15/2007	Day	407	486	Male	Not Contracepted	Hatch	NZP-WASH	215691	7/15/2007	Day
							Transfer	PITTS CA	7585	5/11/2008	None
519	7/15/2007	Day	407	486	Female	Not Contracepted	Hatch	NZP-WASH	215692	7/15/2007	Day
							Transfer	PITTS CA	7586	5/11/2008	None
Totals: 2.1.0 (3)											
PORTLAND - Oregon Zoo, Portland, OR, USA											
445	8/22/2002	Day	384	219	Male	Not Contracepted	Hatch	ATLANTA	A20024	8/22/2002	Day
							Transfer	PORTLAND	A30285	11/12/2002	None
Totals: 1.0.0 (1)											
RIO GRAND - Albuquerque Biological Park, Albuquerque, NM, USA											
444	10/1/2002	Day	384	219	Male	Not Contracepted	Hatch	ATLANTA	A20023	10/1/2002	Day
							Transfer	RIO GRAND	B04042	10/1/2004	None
522	3/18/2007	Day	217	439	Female	Not Contracepted	Hatch	FRESNO	270129	3/18/2007	Day
							Transfer	RIO GRAND	B07028	11/1/2007	None
Totals: 1.1.0 (2)											
SAFARI W - Safari West, Santa Rosa, CA, USA											
492	9/23/2008	None	376	413	Female	Not Contracepted	Hatch	BALTIMORE	5646	9/23/2008	None
							Transfer	SAFARI W	210023	4/22/2010	None
501	3/4/2009	None	394	455	Male	Not Contracepted	Hatch	SANDIEGOZ	309083	3/4/2009	None
							Transfer	SAFARI W	210003	1/13/2010	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
Totals: 1.1.0 (2)											
SAN ANTON - San Antonio Zoological Gardens & Aquarium, San Antonio, TX, USA											
367	3/21/1998	None	333	307	Male	Not Contracepted	Hatch	SEAWLD TX	HI5007	3/21/1998	None
							Transfer	TOLEDO	981640	11/19/1998	None
							Transfer	SAN ANTON	N09021	11/5/2009	None
498	1/19/2007	None	299	456	Female	Not Contracepted	Hatch	HONOLULU	207008	1/19/2007	None
							Transfer	TOLEDO	5091	6/27/2007	None
							Transfer	SAN ANTON	N09022	11/5/2009	None
Totals: 1.1.0 (2)											
SAN BARMU - Santa Barbara Museum of Natural History, Santa Barbara, CA, USA											
563	8/11/2011	None	491	499	Male	Not Contracepted	Hatch	DALLAS	11L335	8/11/2011	None
							Transfer	SAN BARMU	700606	5/17/2012	None
Totals: 1.0.0 (1)											
SAN FRAN - San Francisco Zoological Gardens, San Francisco, CA, USA											
472	9/23/2004	None	299	456	Female	Not Contracepted	Hatch	HONOLULU	204053	9/23/2004	None
							Transfer	OAKLAND	1726	4/14/2005	None
							Transfer	SAN FRAN		6/27/2012	None
508	7/8/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809186	7/8/2009	None
							Transfer	SAN FRAN	210003	3/4/2010	None
511	1/21/2008	None	495	435	Male	Not Contracepted	Hatch	DENVER	A08021	1/21/2008	None
							Transfer	SAN FRAN	208021	9/3/2008	None
Totals: 1.2.0 (3)											
SANDIEGOZ - San Diego Zoo, San Diego, CA, USA											
374	5/6/1998	None	247	210	Male	Not Contracepted	Hatch	HOUSTON	17376	5/6/1998	None
							Transfer	SD-WAP	399057	3/4/1999	None
							Transfer	SANDIEGOZ	399057	3/10/2011	None
455	6/4/2003	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	803164	6/4/2003	None
							Transfer	SANDIEGOZ	803164	2/19/2004	None
Totals: 1.1.0 (2)											
SD-WAP - San Diego Zoo's Safari Park, Escondido, CA, USA											
389	7/1/1996	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE	_____	2/1/1997	None
							Transfer	SD-WAP	899280	8/13/1999	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
390	7/1/1996	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE		2/1/1997	Month
							Transfer	SD-WAP	899281	8/13/1999	None
391	7/1/1996	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE		2/1/1997	Month
							Transfer	SD-WAP	899282	8/13/1999	None
392	7/1/1996	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE		2/1/1997	Month
							Transfer	SD-WAP	899283	8/13/1999	None
394	7/1/1998	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	1/1/1999	Month
							Transfer	TROPISCHE		2/1/1999	Month
							Transfer	SD-WAP	800236	7/14/2000	None
							Transfer	SANDIEGOZ	800236	2/11/2002	None
							Transfer	SD-WAP	800236	3/1/2011	None
503	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809038	3/23/2009	None
557	4/1/2012	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	812059	4/1/2012	None
559	4/6/2012	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	812092	4/6/2012	None
561	5/14/2012	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	812069	5/14/2012	None
Totals: 5.4.0 (9)											
TOPEKA - Topeka Zoological Park, Topeka, KS, USA											
251	1/24/1992	None	111	219	Female	Not Contracepted	Hatch	COLUMBIA	005629	1/24/1992	None
							Transfer	TOPEKA	017393	11/16/1993	None
Totals: 0.1.0 (1)											
TORONTO - Toronto Zoo, Scarborough, Ontario, Canada											
473	6/4/2003	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	803166	6/4/2003	None
							Transfer	QUEBEC	A54702	6/16/2005	None
							Transfer	TORONTO	41812	6/13/2007	None
538	9/24/2010	None	491	499	Male	Not Contracepted	Hatch	DALLAS	10K623	9/24/2010	None
							Transfer	TORONTO	45427	10/13/2011	None
Totals: 2.0.0 (2)											
TOTALS: 45.36.0 (81)											

Historical Population

192.204.163 (559) at 80 Institutions

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
1	1/1/1958	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1959	Month
							Transfer	MAMI RARE	_____	2/1/1959	Month
							Transfer	DETROIT	_____	4/16/1959	None
							Death	DETROIT	NHN	12/31/1959	Month
2	3/1/1958	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	3/1/1958	Month
							Transfer	L RUHE	_____	4/1/1958	Month
							Transfer	PHILADELP	20090	6/5/1958	None
							Death	PHILADELP	NHXX	6/20/1968	None
3	1/1/1959	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1959	Month
							Transfer	MAMI RARE	_____	2/1/1959	Month
							Transfer	DETROIT	_____	4/16/1959	None
							Death	DETROIT	NHN	1/13/1962	None
4	1/1/1963	Unknown	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	3/1/1963	Month
							Transfer	NAKURU	_____	4/1/1963	Month
							Transfer	FRANKFURT	21992	6/27/1963	None
							Death	FRANKFURT	FHKX	5/5/1978	None
5	1/1/1963	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	9/1/1964	Month
							Transfer	SOUTHWICK	_____	10/1/1964	Month
							Transfer	FRANKLINP	64A674	12/31/1964	None
							Death	FRANKLINP	NHN	5/21/1969	None
6	3/1/1963	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	3/1/1963	Month
							Transfer	NAKURU	_____	4/1/1963	Month
							Transfer	CLEVELAND	630602	6/28/1963	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	NY BRONX	_____	3/16/1966	None
							Go LTF	NY BRONX	_____	3/16/1966	None
7	3/1/1963	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	3/1/1963	Month
							Transfer	NAKURU	_____	4/1/1963	Month
							Transfer	CLEVELAND	630603	6/28/1963	None
							Death	CLEVELAND	NHAK	9/17/1963	None
8	1/1/1965	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1966	Year
							Transfer	NY BRONX	_____	1/1/1966	Year
							Transfer	CLEVELAND	660901	9/9/1966	None
							Death	CLEVELAND	HHAX	2/15/1970	None
9	9/3/1967	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	6/1/1968	Month
							Transfer	NAKURU	_____	7/1/1968	Month
							Transfer	NZP-WASH	33343	9/3/1968	None
							Death	NZP-WASH	NAN	8/27/1974	None
10	9/3/1967	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	6/1/1968	Month
							Transfer	NAKURU	_____	7/1/1968	Month
							Transfer	NZP-WASH	33344	9/3/1968	None
							Death	NZP-WASH	NAN	7/20/1974	None
11	12/12/1967	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	9/1/1968	Month
							Transfer	SOUTHWICK	_____	10/1/1968	Month
							Transfer	FRANKLINP	317	12/12/1968	None
							Death	FRANKLINP	HADK	6/23/1992	None
12	1/1/1968	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1968	Year
							Transfer	SOUTHWICK	_____	10/1/1968	Month
							Transfer	FRANKLINP	68A675	12/12/1968	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	FRANKLINP	NHN	12/26/1969	None
13	1/1/1969	Unknown	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	2/1/1970	Month
							Transfer	M.DAVIS	_____	3/1/1970	Month
							Transfer	FRANKFURT	21993	5/26/1970	None
							Transfer	DUISBURG	_____	1/29/1981	None
14	1/1/1970	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	12/1/1971	Month
							Transfer	NAKURU	_____	1/1/1972	Month
							Transfer	SD-WAP	002311	3/29/1972	None
							Death	SD-WAP	NHY	4/16/1972	None
15	1/1/1970	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	12/1/1971	Month
							Transfer	NAKURU	_____	1/1/1972	Month
							Transfer	SD-WAP	002312	3/29/1972	None
							Death	SD-WAP	NHY	4/16/1972	None
16	1/1/1971	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	6/1/1972	Month
							Transfer	SOUTHWICK	_____	7/1/1972	Month
							Transfer	FRANKLINP	72A677	9/1/1972	None
							Death	FRANKLINP	NAN	7/7/1974	None
17	1/1/1972	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	6/1/1972	Month
							Transfer	SOUTHWICK	_____	7/1/1972	Month
							Transfer	FRANKLINP	72A678	9/1/1972	None
							Death	FRANKLINP	FAN	7/1/1979	None
18	1/1/1972	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	E.KENYA	NONE	6/1/1972	Month
							Transfer	SOUTHWICK	_____	7/1/1972	Month
							Transfer	FRANKLINP	318	9/1/1972	None
							Death	FRANKLINP	FAN	5/9/1991	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
19	6/1/1972	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	6/1/1972	Month
							Transfer	SOUTHWICK	_____	7/1/1972	Month
							Transfer	FRANKLINP	72A676	9/1/1972	None
							Death	FRANKLINP	FAN	10/24/1972	None
20	1/1/1975	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	E.AFRICA	NONE	1/1/1975	Year
							Transfer	CHASE B	_____	10/25/1977	Unknown
							Transfer	DENVER	02832	10/25/1977	None
							Death	DENVER	HADK	9/24/1978	None
21	1/1/1975	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	E.AFRICA	NONE	1/1/1975	Year
							Transfer	CHASE B	_____	10/25/1977	Unknown
							Transfer	DENVER	02833	10/25/1977	None
							Death	DENVER	NAXX	8/31/1978	None
22	9/12/1975	None	4	13	Unknown	Not Contracepted	Hatch	FRANKFURT	26506	9/12/1975	None
							Transfer	LOSANGELE	_____	3/31/1976	None
							Go LTF	LOSANGELE	_____	3/31/1976	None
23	9/12/1975	None	4	13	Unknown	Not Contracepted	Hatch	FRANKFURT	26508	9/12/1975	None
							Transfer	LOSANGELE	_____	3/31/1976	None
							Go LTF	LOSANGELE	_____	3/31/1976	None
24	9/16/1975	None	4	13	Unknown	Not Contracepted	Hatch	FRANKFURT	26509	9/16/1975	None
							Transfer	LOSANGELE	_____	3/31/1976	None
							Go LTF	LOSANGELE	_____	3/31/1976	None
25	1/1/1976	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	KENYA	NONE	4/1/1977	Month
							Transfer	NAKURU	_____	5/1/1977	Month
							Transfer	CHICAGOBR	23687	7/13/1977	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	FRANKLINP	320	11/13/1979	None
							Death	FRANKLINP	FHN	2/23/1984	None
26	7/12/1976	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	KENYA	NONE	4/1/1977	Month
							Transfer	NAKURU	_____	5/1/1977	Month
							Transfer	CHICAGOBR	23686	7/13/1977	None
							Death	CHICAGOBR	NCY	8/7/1985	None
27	7/12/1976	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	KENYA	NONE	4/1/1977	Month
							Transfer	NAKURU	_____	5/1/1977	Month
							Transfer	CHICAGOBR	23688	7/13/1977	None
							Death	CHICAGOBR	EAKJ	7/10/1978	None
28	4/1/1977	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	KENYA	NONE	4/1/1977	Month
							Transfer	NAKURU	_____	5/1/1977	Month
							Transfer	CHICAGOBR	23689	7/13/1977	None
							Death	CHICAGOBR	EAKJ	7/28/1978	None
29	2/10/1979	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	319	2/10/1979	None
							Death	FRANKLINP	ABAX	7/29/2001	None
30	8/1/1979	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	79F683	8/1/1979	None
							Transfer	NZP-WASH	206100	3/15/1980	None
							Death	NZP-WASH	NCN	8/3/1981	None
31	8/1/1979	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	79F684	8/1/1979	None
							Transfer	NZP-WASH	206101	3/15/1980	None
							Death	NZP-WASH	NCY	2/11/1981	None
32	8/1/1979	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	79F685	8/1/1979	None
							Transfer	CHICAGOBR	24818	11/15/1979	None
							Death	CHICAGOBR	BCCK	8/8/1986	None
33	1/1/1980	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	80F687	1/1/1980	None
							Transfer	MILWAUKEE	B1163	7/21/1981	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	MILWAUKEE	NCFX	4/17/1986	None
34	1/1/1980	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	80F688	1/1/1980	None
							Transfer	LOSANGELE	_____	11/4/1980	None
							Go LTF	LOSANGELE	_____	11/4/1980	None
35	1/1/1980	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	80F689	1/1/1980	None
							Transfer	NY BRONX	812211	4/16/1981	None
							Death	NY BRONX	BAAK	6/3/1981	None
36	1/1/1980	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	80F690	1/1/1980	None
							Transfer	PHILADELP	201973	6/10/1981	None
							Death	FRANKLINP	NHAK	3/1/1982	None
37	5/30/1980	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	80P010	5/30/1980	None
							Death	FRANKLINP	NHN	8/11/1980	None
38	7/1/1980	None	25	29	Female	Not Contracepted	Hatch	FRANKLINP	80P679	7/1/1980	None
							Transfer	NZP-WASH	206463	2/26/1981	None
							Death	NZP-WASH	NAKN	9/19/1983	None
39	8/1/1980	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	529	8/1/1980	None
							Transfer	PHILADELP	201972	6/10/1981	None
							Transfer	FRANKLINP	529	8/12/1986	None
							Death	FRANKLINP	NAN	8/30/1989	None
40	8/1/1980	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	80F691	8/1/1980	None
							Transfer	NY BRONX	812292	6/26/1981	None
							Death	NY BRONX	CAY	6/22/1982	None
41	8/1/1980	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	80F692	8/1/1980	None
							Transfer	MILWAUKEE	B1164	7/21/1981	None
							Death	MILWAUKEE	NHXX	12/31/1982	Day
42	1/1/1981	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	81F693	1/1/1981	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	LOSANGELE	_____	6/25/1981	None
							Go LTF	LOSANGELE	_____	6/25/1981	None
43	1/1/1981	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	81F694	1/1/1981	None
							Transfer	LOSANGELE	_____	6/25/1981	None
							Go LTF	LOSANGELE	_____	6/25/1981	None
44	1/6/1981	None	25	29	Male	Not Contracepted	Hatch	FRANKLINP	81P680	1/6/1981	None
							Transfer	NZP-WASH	207656	4/16/1981	None
							Death	NZP-WASH	NCAX	8/18/2001	None
45	1/12/1981	None	25	38	Unknown	Not Contracepted	Hatch	FRANKLINP	81P681	1/12/1981	None
							Death	FRANKLINP	CAN	1/20/1981	None
46	1/12/1981	None	25	38	Unknown	Not Contracepted	Hatch	FRANKLINP	81P682	1/12/1981	None
							Death	FRANKLINP	CAN	1/20/1981	None
47	3/15/1981	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	81P011	3/15/1981	None
							Death	FRANKLINP	NHN	3/30/1981	None
48	3/15/1981	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	81P012	3/15/1981	None
							Death	FRANKLINP	NHN	3/31/1981	None
49	3/15/1981	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	81P013	3/15/1981	None
							Death	FRANKLINP	NHN	4/3/1981	None
50	5/1/1981	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	81F695	5/1/1981	None
							Death	FRANKLINP	NAN	11/4/1981	None
51	5/1/1981	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	81F696	5/1/1981	None
							Death	FRANKLINP	NAN	11/3/1981	None
52	5/1/1981	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	81F697	5/1/1981	None
							Transfer	PHILADELP	202204	5/14/1982	None
							Death	PHILADELP	NHN	12/13/1982	None
53	5/1/1981	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	81F698	5/1/1981	None
							Death	FRANKLINP	NAAK	11/2/1981	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
54	5/26/1981	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	81P699	5/26/1981	None
							Death	FRANKLINP	NAN	6/2/1981	None
55	5/26/1981	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	81P670	5/26/1981	None
							Death	FRANKLINP	NAN	6/2/1981	None
56	8/17/1981	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	81P014	8/17/1981	None
							Death	FRANKLINP	NHN	8/17/1981	None
57	8/22/1981	None	25	29	Unknown	Not Contracepted	Hatch	FRANKLINP	81P015	8/22/1981	None
							Death	FRANKLINP	NHN	9/24/1981	None
58	9/1/1981	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	81F671	9/1/1981	None
							Transfer	GRND PRAI	_____	1/23/1983	None
							Go LTF	GRND PRAI	_____	1/23/1983	None
59	9/1/1981	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	81F672	9/1/1981	None
							Transfer	GRND PRAI	_____	1/28/1983	None
							Go LTF	GRND PRAI	_____	1/28/1983	None
60	9/1/1981	None	11	18	Unknown	Not Contracepted	Hatch	FRANKLINP	81F673	9/1/1981	None
							Death	FRANKLINP	NAAK	12/2/1981	None
61	9/1/1981	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	402	9/1/1981	None
							Transfer	NY BRONX	832023	2/16/1983	None
							Transfer	PORTLAND	89053	4/18/1989	None
							Death	PORTLAND	HAXX	4/25/1989	None
62	1/1/1982	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	400	1/1/1982	None
							Transfer	NY BRONX	832021	2/16/1983	None
							Transfer	SAN ANTON	831138	11/8/1983	None
							Death	SAN ANTON	NHN	6/11/1988	None
63	1/1/1982	None	11	18	Unknown	Not Contracepted	Hatch	FRANKLINP	82F993	1/1/1982	None
							Transfer	GRND PRAI	_____	1/28/1983	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Go LTF	GRND PRAI	_____	1/28/1983	None
64	1/1/1982	None	11	18	Unknown	Not Contracepted	Hatch	FRANKLINP	82F994	1/1/1982	None
							Transfer	GRND PRAI	_____	1/28/1983	None
							Go LTF	GRND PRAI	_____	1/28/1983	None
65	2/13/1982	None	26	32	Unknown	Not Contracepted	Hatch	CHICAGOBR	25498	2/13/1982	None
							Death	CHICAGOBR	NHN	2/18/1982	None
66	2/13/1982	None	26	32	Unknown	Not Contracepted	Hatch	CHICAGOBR	_____	2/13/1982	None
							Death	CHICAGOBR	NCN	2/17/1982	None
67	6/1/1982	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	401	6/1/1982	None
							Transfer	NY BRONX	832022	2/16/1983	None
							Death	NY BRONX	NHN	6/18/1988	None
68	9/1/1982	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	82F995	9/1/1982	None
							Transfer	SAN ANTON	830352	3/25/1983	None
							Death	SAN ANTON	FHDB	8/12/1987	None
69	9/1/1982	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	82F996	9/1/1982	None
							Transfer	SAN ANTON	830353	3/25/1983	None
							Death	SAN ANTON	NHN	10/13/1985	None
70	1/1/1983	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	10/1/1984	Month
							Transfer	NORTHLAND	_____	11/1/1984	Month
							Transfer	SD-WAP	027108	1/15/1985	None
							Transfer	SANDIEGOZ	027108	3/20/1991	None
							Death	SANDIEGOZ	NHN	5/2/2001	None
71	2/1/1983	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	83F997	2/1/1983	None
							Transfer	DETROIT	1104	2/23/1984	None
							Death	DETROIT	FEDB	5/23/1986	None
72	2/1/1983	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	559	2/1/1983	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	DETROIT	1103	2/24/1984	None
							Transfer	FRANKLINP	559	8/29/1984	None
							Transfer	CHICAGOBR	850267	12/11/1985	None
							Death	CHICAGOBR	FEDX	5/23/1987	None
73	2/1/1983	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	558	2/1/1983	None
							Transfer	ST LOUIS	187120	5/7/1987	None
							Death	ST LOUIS	NHN	8/23/1993	None
74	4/17/1983	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month
							Transfer	NORTHLAND	_____	11/1/1986	Month
							Transfer	CLEVELAND	870127	1/16/1987	None
							Transfer	LOWRY	200055	4/9/1987	None
							Transfer	JACKSONVL	689014	4/13/1989	None
							Death	JACKSONVL	NHCO	7/9/1990	None
75	6/1/1983	None	11	18	Unknown	Not Contracepted	Hatch	FRANKLINP	83F998	6/1/1983	None
							Transfer	PITTS CA	1220	4/3/1984	None
							Death	PITTS CA	CCY	2/27/1987	None
76	6/1/1983	None	11	18	Unknown	Not Contracepted	Hatch	FRANKLINP	83F999	6/1/1983	None
							Transfer	PITTS CA	1221	4/3/1984	None
							Death	PITTS CA	CCN	2/12/1989	None
77	1/1/1984	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1985	Month
							Transfer	NORTHLAND	_____	3/1/1985	Month
							Transfer	SANDIEGOZ	027622	5/9/1985	None
							Transfer	TRACY AV	_____	5/4/1989	None
							Death	TRACY AV	CCAX	10/24/1989	None
78	1/1/1984	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1985	Month

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	NORTHLAND	_____	3/1/1985	Month
							Transfer	MILWAUKEE	B1766	5/9/1985	None
							Death	MILWAUKEE	NHXX	11/12/1985	None
79	1/1/1984	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	2/1/1985	Month
							Transfer	NORTHLAND	_____	3/1/1985	Month
							Transfer	SAN ANTON	852541	5/11/1985	None
							Death	SAN ANTON	NHN	9/17/1985	None
80	1/1/1984	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	3/1/1985	Month
							Transfer	NORTHLAND	_____	4/1/1985	Month
							Transfer	PITTS CA	1882	6/1/1985	None
							Transfer	ST LOUIS	911412	4/26/1991	None
							Death	ST LOUIS	NHXX	6/6/2002	None
81	1/16/1984	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month
							Transfer	NORTHLAND	_____	11/1/1986	Month
							Transfer	CLEVELAND	870123	1/16/1987	None
							Death	CLEVELAND	FAAR	4/1/1988	None
82	1/16/1984	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month
							Transfer	NORTHLAND	_____	11/1/1986	Month
							Transfer	CLEVELAND	870124	1/16/1987	None
							Death	CLEVELAND	NAAK	2/11/1988	None
83	1/16/1984	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month
							Transfer	NORTHLAND	_____	10/1/1986	Month
							Transfer	CLEVELAND	870125	1/16/1987	None
							Death	CLEVELAND	BAAK	3/14/1988	None
84	2/11/1984	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	84F001	2/11/1984	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	NZP-WASH	208643	8/22/1984	None
							Death	NZP-WASH	ACXX	7/2/1999	None
85	2/11/1984	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	84F002	2/11/1984	None
							Transfer	DETROIT	1226	8/9/1984	None
							Death	DETROIT	NAXX	8/2/1995	None
86	2/11/1984	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	84527	2/11/1984	None
							Transfer	AUDUBON	724	3/14/1985	None
							Death	AUDUBON	FBAB	1/18/1987	None
87	4/8/1984	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month
							Transfer	NORTHLAND	_____	11/1/1986	Month
							Transfer	CLEVELAND	870126	1/16/1987	None
							Transfer	LOWRY	200054	4/9/1987	None
							Death	LOWRY	CAN	11/15/1987	None
88	6/1/1984	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	84528	6/1/1984	None
							Transfer	AUDUBON	725	3/14/1985	None
							Death	AUDUBON	FBAB	1/14/1987	None
89	6/1/1984	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	84550	6/1/1984	None
							Transfer	DALLAS	854227	3/14/1985	None
							Transfer	LAKEBUENA	220104	1/23/1992	None
							Death	LAKEBUENA	NAYX	11/8/1999	None
90	6/1/1984	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	84560	6/1/1984	None
							Transfer	CALDWELL	825	4/23/1986	None
							Death	CALDWELL	CBEK	2/16/1990	None
91	8/3/1984	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	5/1/1988	Month
							Transfer	BELLBIRD	_____	6/1/1988	Month
							Transfer	LOWRY	200378	8/3/1988	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	LOWRY	HBXX	9/6/1988	None
92	9/1/1984	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	84551	9/1/1984	None
							Transfer	DALLAS	854228	3/14/1985	None
							Death	DALLAS	NHN	1/23/1999	None
93	9/1/1984	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	84557	9/1/1984	None
							Transfer	PHILADELP	202964	4/3/1985	None
							Death	PHILADELP	NIN	12/7/1985	None
94	9/1/1984	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	84561	9/1/1984	None
							Transfer	PITTS CA	2215	12/5/1985	None
							Death	PITTS CA	CCAK	2/9/1987	None
95	9/1/1984	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	84562	9/1/1984	None
							Death	FRANKLINP	CACK	5/4/1985	None
96	10/1/1984	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	10/1/1984	Month
							Transfer	NORTHLAND	_____	11/1/1984	Month
							Transfer	SANDIEGOZ	027111	1/15/1985	None
							Transfer	SD-WAP	027111	10/4/1989	None
							Transfer	NY BRONX	992236	12/28/1999	None
							Death	NY BRONX	992236	11/25/2007	None
97	10/1/1984	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	10/1/1984	Month
							Transfer	NORTHLAND	_____	11/1/1984	Month
							Transfer	SD-WAP	027112	1/15/1985	None
							Transfer	SANDIEGOZ	027112	3/20/1991	None
							Death	SANDIEGOZ	FCKB	3/10/1995	None
98	12/1/1984	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	F84567	12/1/1984	None
							Transfer	SD-WAP	029529	2/21/1986	None
							Transfer	SANDIEGOZ	029529	4/3/1986	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	SD-WAP	029529	10/4/1989	None
							Death	SD-WAP	NHXX	12/2/1998	None
99	12/1/1984	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	F84568	12/1/1984	None
							Transfer	SD-WAP	029530	2/21/1986	None
							Transfer	SANDIEGOZ	029530	3/1/1986	Month
							Death	SANDIEGOZ	CCJK	4/5/1987	None
100	1/1/1985	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	DALLAS	876017	7/10/1987	None
							Death	DALLAS	NHN	4/16/1989	None
101	1/1/1985	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	DALLAS	870N81	7/10/1987	None
							Death	DALLAS	HHN	12/24/1989	None
102	1/1/1985	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1987	Month
							Transfer	WORLDWIDE	_____	3/1/1987	Month
							Transfer	TOLEDO	871518	5/19/1987	None
							Transfer	SANTA ANA	B90045	11/7/1990	None
							Death	SANTA ANA	NHYX	3/20/1991	None
103	1/1/1985	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	4/26/1986	Day
							Transfer	NORTHLAND	_____	5/26/1986	Day
							Transfer	OMAHA	4939	6/14/1986	None
							Death	OMAHA	NBXX	7/24/1986	None
104	1/1/1985	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	4/26/1986	Day
							Transfer	NORTHLAND	_____	5/26/1986	Day

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	OMAHA	4938	6/14/1986	None
							Death	OMAHA	NHN	10/1/1992	None
105	1/1/1985	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	DENVER	10673	7/9/1987	None
							Death	DENVER	AAAB	5/14/1988	None
106	2/1/1985	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1985	Month
							Transfer	NORTHLAND	_____	3/1/1985	Month
							Transfer	SD-WAP	027621	5/9/1985	None
							Death	SD-WAP	NHN	8/1/1985	None
107	2/1/1985	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1985	Month
							Transfer	NORTHLAND	_____	3/1/1985	Month
							Transfer	SD-WAP	027623	5/9/1985	None
							Death	SD-WAP	NFDX	8/2/1985	None
108	2/1/1985	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	F85569	2/1/1985	None
							Transfer	CHICAGOBR	850268	12/11/1985	None
							Death	CHICAGOBR	FEGX	5/23/1987	None
109	2/1/1985	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	F85570	2/1/1985	None
							Transfer	CALDWELL	000826	4/23/1986	None
							Transfer	BATONROUG	6623	9/11/1990	None
							Death	BATONROUG	NAY	3/22/1997	None
110	2/1/1985	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	F85571	2/1/1985	None
							Transfer	PHILADELP	203507	9/17/1987	None
							Transfer	PHILADELP	203507	1/21/1993	None
							Death	PHILADELP	AACN	1/20/1998	None
111	2/1/1985	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	F85572	2/1/1985	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	COLUMBIA	SJ3647	7/10/1985	None
							Transfer	COLUMBIA	SJ3647	11/14/1988	None
							Death	COLUMBIA	EHXX	3/25/2003	None
112	2/1/1985	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	F85573	2/1/1985	None
							Transfer	COLUMBIA	SJ3648	7/11/1985	None
							Death	COLUMBIA	NHN	9/11/1988	None
113	5/1/1985	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	85F623	5/1/1985	None
							Transfer	LITTLEROC	2832	12/4/1986	None
							Death	LITTLEROC	BADK	3/1/1987	None
114	5/1/1985	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	85F624	5/1/1985	None
							Transfer	LITTLEROC	2833	12/4/1986	None
							Death	LITTLEROC	NAXX	1/23/1990	None
115	11/30/1985	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	_____	11/30/1985	None
							Transfer	SANDIEGOZ	34609	1/9/1987	Unknown
							Transfer	SAN ANTON	870101	1/9/1987	None
							Death	SAN ANTON	NHN	10/29/1987	None
116	1/1/1986	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	BATONROUG	5999	7/10/1987	None
							Transfer	CALDWELL	001234	5/11/1988	None
							Transfer	HOUSTON	20451	5/2/2003	None
							Death	HOUSTON	20451	10/11/2009	None
117	1/1/1986	None	UNK	UNK	Male	Not Contracepted	Hatch	SD-WAP	_____	1/1/1986	None
							Transfer	BOX B	_____	11/13/1986	Unknown
							Transfer	SAN ANTON	861113	11/13/1986	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	SAN ANTON	FHGB	11/14/1987	None
118	1/1/1986	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1987	Month
							Transfer	WORLDWIDE	_____	3/1/1987	Month
							Transfer	TOLEDO	871515	5/19/1987	None
							Transfer	SANTA ANA	B90044	11/7/1990	None
							Death	SANTA ANA	NHN	3/12/1991	None
119	1/1/1986	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	DENVER	10672	7/9/1987	None
							Transfer	COLUMBIA	004794	10/26/1988	None
							Death	COLUMBIA	NHN	11/16/1989	None
120	1/1/1986	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	DENVER	10674	7/9/1987	None
							Death	DENVER	EAIO	5/30/2006	None
121	1/1/1986	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	1/1/1987	Month
							Transfer	WORLDWIDE	_____	2/1/1987	Month
							Transfer	OMAHA	5041	4/20/1987	None
							Death	OMAHA	NHN	12/19/1995	None
122	1/1/1986	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	KENYA	NONE	9/1/1987	Month
							Transfer	WORLDWIDE	_____	10/1/1987	Month
							Transfer	ATLANTA	870119	12/10/1987	None
							Death	ATLANTA	AAYX	2/23/1990	None
123	1/1/1986	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	KENYA	NONE	9/1/1987	Month
							Transfer	WORLDWIDE	_____	10/1/1987	Month

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	ATLANTA	870120	12/10/1987	None
							Death	ATLANTA	NAY	12/14/1989	None
124	1/1/1986	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	12/1/1987	Month
							Transfer	BELLBIRD	_____	1/1/1988	Month
							Transfer	SAN ANTON	880372	3/30/1988	None
							Death	SAN ANTON	NHN	6/21/1988	None
125	2/15/1986	None	61	67	Unknown	Not Contracepted	Hatch	NY BRONX	862041	2/15/1986	None
							Death	NY BRONX	NAY	3/24/1986	None
126	2/15/1986	None	61	67	Female	Not Contracepted	Hatch	NY BRONX	862042	2/15/1986	None
							Death	NY BRONX	NAY	4/2/1986	None
127	2/24/1986	None	61	67	Unknown	Not Contracepted	Hatch	NY BRONX	862048	2/24/1986	None
							Transfer	LOSANGELE	95168	8/29/1986	None
							Death	LOSANGELE	NHN	10/2/1986	None
128	2/24/1986	None	61	67	Unknown	Not Contracepted	Hatch	NY BRONX	862049	2/24/1986	None
							Death	NY BRONX	NHN	2/28/1986	None
129	3/1/1986	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	86F687	3/1/1986	None
							Transfer	LITTLEROC	2830	12/4/1986	None
							Death	LITTLEROC	BADK	3/4/1987	None
130	3/1/1986	None	11	18	Male	Not Contracepted	Hatch	FRANKLINP	86F688	3/1/1986	None
							Transfer	LITTLEROC	2831	12/4/1986	None
							Death	LITTLEROC	FADC	4/21/1995	None
131	3/1/1986	None	11	18	Female	Not Contracepted	Hatch	FRANKLINP	86F622	3/1/1986	None
							Death	FRANKLINP	NAN	8/5/1986	None
132	3/1/1986	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	3/1/1986	Month
							Transfer	NORTHLAND	_____	4/1/1986	Month
							Transfer	DETROIT	1857	6/13/1986	None
							Death	DETROIT	1857	2/14/2010	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
133	5/2/1986	None	62	68	Unknown	Not Contracepted	Hatch	SAN ANTON	860526	5/2/1986	None
							Death	SAN ANTON	NHN	7/6/1986	None
134	5/11/1986	None	62	68	Unknown	Not Contracepted	Hatch	SAN ANTON	860562	5/11/1986	None
							Death	SAN ANTON	NHN	6/11/1986	None
135	5/17/1986	None	61	67	Male	Not Contracepted	Hatch	NY BRONX	862155	5/17/1986	None
							Death	NY BRONX	AACK	7/1/1986	None
136	5/17/1986	None	61	67	Male	Not Contracepted	Hatch	NY BRONX	862261	5/17/1986	None
							Death	NY BRONX	FADC	7/4/1986	None
137	7/8/1986	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	DENVER	10671	7/9/1987	None
							Death	DENVER	NAN	11/19/1992	None
138	7/24/1986	None	86	88	Female	Not Contracepted	Hatch	AUDUBON	1769	7/24/1986	None
							Death	AUDUBON	FHAB	8/12/1986	None
139	8/27/1986	None	62	68	Unknown	Not Contracepted	Hatch	SAN ANTON	861810	8/27/1986	None
							Death	SAN ANTON	NHN	11/21/1986	None
140	8/27/1986	None	62	68	Unknown	Not Contracepted	Hatch	SAN ANTON	861811	8/27/1986	None
							Death	SAN ANTON	NHN	11/21/1986	None
141	8/27/1986	None	62	68	Unknown	Not Contracepted	Hatch	SAN ANTON	861809	8/27/1986	None
							Death	SAN ANTON	NHN	12/2/1986	None
142	9/1/1986	None	70	97	Male	Not Contracepted	Hatch	SD-WAP	035064	9/1/1986	None
							Death	SD-WAP	NCXX	2/26/1987	None
143	9/1/1986	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	035065	9/1/1986	None
							Transfer	SANDIEGOZ	035065	2/5/1987	None
							Transfer	TRACY AV	_____	3/13/1987	None
							Death	TRACY AV	CCAX	3/31/1988	None
144	10/1/1986	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	NORTHLAND	_____	11/1/1986	Month
							Transfer	CLEVELAND	870117	1/16/1987	None
							Death	CLEVELAND	NHN	12/31/1988	Month
145	10/1/1986	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month
							Transfer	NORTHLAND	_____	11/1/1986	Month
							Transfer	CLEVELAND	870118	1/16/1987	None
							Death	CLEVELAND	NHAK	3/28/1988	None
146	10/1/1986	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	E.AFRICA	NONE	10/1/1986	Month
							Transfer	NORTHLAND	_____	11/1/1986	Month
							Transfer	CLEVELAND	870119	1/16/1987	None
							Death	CLEVELAND	NHAK	3/25/1988	None
147	11/1/1986	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	8/1/1987	Month
							Transfer	FOUTS J	_____	9/1/1987	Month
							Transfer	CALDWELL	001200	11/2/1987	None
							Death	CALDWELL	CBN	9/27/1992	None
148	1/1/1987	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	7/1/1988	Month
							Transfer	BELLBIRD	_____	8/1/1988	Month
							Transfer	KANSASCTY	202324	10/19/1988	None
							Transfer	HOUSTON	OO	10/10/1990	None
							Transfer	KANSASCTY	202324	10/11/1990	Unknown
							Transfer	HOUSTON	12537	10/11/1990	None
							Death	HOUSTON	HCKP	4/18/1994	None
149	1/1/1987	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	7/1/1987	Month
							Transfer	WORLDWIDE	_____	8/1/1987	Month
							Transfer	SAN ANTON	871051	10/16/1987	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	SAN ANTON	NHN	1/18/1988	None
150	2/1/1987	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1987	Month
							Transfer	WORLDWIDE	_____	3/1/1987	Month
							Transfer	TOLEDO	871516	5/19/1987	None
							Transfer	LOWRY	200460	11/10/1988	None
							Death	LOWRY	NHN	5/10/1993	None
151	2/1/1987	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1987	Month
							Transfer	WORLDWIDE	_____	3/1/1987	Month
							Transfer	TOLEDO	871519	5/19/1987	None
							Transfer	LOWRY	200461	11/11/1988	None
							Transfer	PORTLAND	89027	3/28/1989	None
							Death	PORTLAND	NHXX	10/16/1989	None
152	2/1/1987	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1987	Month
							Transfer	WORLDWIDE	_____	3/1/1987	Month
							Transfer	TOLEDO	871517	5/19/1987	None
							Transfer	DALLAS	906826	7/18/1990	None
							Transfer	LAKEBUENA	220105	1/23/1992	None
							Death	LAKEBUENA	ABCK	10/31/1993	None
153	2/1/1987	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	2/1/1987	Month
							Transfer	WORLDWIDE	_____	3/1/1987	Month
							Transfer	TOLEDO	871514	5/19/1987	None
							Transfer	DALLAS	906827	7/18/1990	None
							Death	DALLAS	906827	3/19/2008	None
154	3/1/1987	None	111	112	Unknown	Not Contracepted	Hatch	COLUMBIA	SJ4123	3/1/1987	None
							Death	COLUMBIA	NAXX	3/20/1987	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
155	3/1/1987	None	111	112	Unknown	Not Contracepted	Hatch	COLUMBIA	SJ4127	3/1/1987	None
							Death	COLUMBIA	CAXX	4/2/1987	None
156	3/5/1987	None	98	MULT1	Female	Not Contracepted	Hatch	SANDIEGOZ	387133	3/5/1987	None
							Transfer	ST LOUIS	187209	6/4/1987	None
							Death	ST LOUIS	FADB	2/8/1990	None
157	3/5/1987	None	98	MULT1	Male	Not Contracepted	Hatch	SANDIEGOZ	387134	3/5/1987	None
							Transfer	TRACY AV	880001	6/4/1987	None
							Transfer	PORTLAND	90019	2/14/1990	None
							Death	PORTLAND	NHXX	12/14/1990	None
158	3/5/1987	None	98	MULT1	Unknown	Not Contracepted	Hatch	SANDIEGOZ	387135	3/5/1987	None
							Death	SANDIEGOZ	NHN	4/2/1987	None
159	4/1/1987	Month	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	BATONROUG	6000	7/10/1987	None
							Death	BATONROUG	6000	12/26/2005	None
160	4/1/1987	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	BATONROUG	6001	7/10/1987	None
							Death	BATONROUG	NAY	7/23/1990	None
161	4/1/1987	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	TANZANIA	NONE	4/1/1987	Month
							Transfer	FOUTS J	_____	5/1/1987	Month
							Transfer	BATONROUG	6002	7/10/1987	None
							Death	BATONROUG	FHAB	4/16/1988	None
162	4/25/1987	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	887126	4/25/1987	None
							Death	SD-WAP	BHEL	9/9/1987	None
163	4/25/1987	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	887137	4/25/1987	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	SAN ANTON	880464	4/14/1988	None
							Death	SAN ANTON	NHN	11/23/1988	None
164	4/25/1987	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	887138	4/25/1987	None
							Transfer	PHILADELP	203506	9/16/1987	None
							Transfer	JACKSONVL	690144	10/5/1990	None
							Transfer	PHILADELP	203506	11/9/1990	None
							Transfer	SD-WAP	887138	12/13/1990	None
							Transfer	BARTH R	_____	1/15/1991	None
							Go LTF	BARTH R	_____	1/15/1991	None
165	6/16/1987	None	98	96	Male	Not Contracepted	Hatch	SANDIEGOZ	387614	6/16/1987	None
							Transfer	CYPRESS	_____	4/14/1988	None
							Transfer	BUSCH TAM	54970	5/30/1991	None
							Death	BUSCH TAM	HHDO	3/19/2000	None
166	6/16/1987	None	98	96	Male	Not Contracepted	Hatch	SANDIEGOZ	387615	6/16/1987	None
							Transfer	LOSANGELE	003006	4/27/1988	None
							Death	LOSANGELE	NHN	2/28/1989	None
167	6/16/1987	None	98	96	Female	Not Contracepted	Hatch	SANDIEGOZ	387616	6/16/1987	None
							Transfer	JURONG	_____	4/27/1988	None
							Go LTF	JURONG	_____	4/27/1988	None
168	6/16/1987	None	98	96	Female	Not Contracepted	Hatch	SANDIEGOZ	387830	6/16/1987	None
							Transfer	LOWRY	200273	3/10/1988	None
							Death	LOWRY	NHXX	11/10/2005	None
169	8/22/1987	None	111	112	Female	Not Contracepted	Hatch	COLUMBIA	004382	8/22/1987	None
							Transfer	COLUMBIA	004382	8/22/1987	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	CYPRESS	_____	7/21/1988	None
							Go LTF	CYPRESS	_____	7/21/1988	None
170	8/30/1987	None	104	121	Male	Not Contracepted	Hatch	OMAHA	5117	8/30/1987	None
							Death	OMAHA	BBN	10/23/1988	None
171	8/30/1987	None	104	121	Unknown	Not Contracepted	Hatch	OMAHA	5118	8/30/1987	None
							Death	OMAHA	NBN	10/19/1987	None
172	9/1/1987	None	70	97	Male	Not Contracepted	Hatch	SD-WAP	887265	9/1/1987	None
							Transfer	SAN ANTON	880463	4/14/1988	None
							Death	SAN ANTON	NHN	2/27/1989	None
173	9/1/1987	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	887266	9/1/1987	None
							Transfer	SANDIEGOZ	887266	3/19/1988	None
							Transfer	LOSANGELE	003007	4/27/1988	None
							Death	LOSANGELE	NHN	11/21/1988	None
174	9/1/1987	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	887269	9/1/1987	None
							Transfer	AUDUBON	1038	6/17/1988	None
							Death	AUDUBON	NBCK	3/25/1989	None
175	9/1/1987	None	70	97	Male	Not Contracepted	Hatch	SD-WAP	887271	9/1/1987	None
							Transfer	SANDIEGOZ	887271	3/19/1988	None
							Transfer	JURONG	_____	4/27/1988	None
							Go LTF	JURONG	_____	4/27/1988	None
176	9/1/1987	None	70	97	Male	Not Contracepted	Hatch	SD-WAP	887272	9/1/1987	None
							Transfer	SANDIEGOZ	887272	3/19/1988	None
							Transfer	CYPRESS	8802	3/31/1988	None
							Transfer	BUSCH TAM	54969	5/30/1991	None
							Death	BUSCH TAM	NHN	1/15/1996	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
177	10/1/1987	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	10/1/1987	Month
							Transfer	ROCKTON	_____	11/1/1987	Month
							Transfer	OMAHA	5153	1/29/1988	None
							Death	OMAHA	NHN	10/24/1988	None
178	12/1/1987	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	12/1/1987	Month
							Transfer	BELLBIRD	_____	1/1/1988	Month
							Transfer	SAN ANTON	880373	3/30/1988	None
							Death	SAN ANTON	NHN	8/13/1988	None
179	12/16/1987	None	61	67	Female	Not Contracepted	Hatch	NY BRONX	872253	12/16/1987	None
							Transfer	NY BRONX	_____	12/26/1987	None
							Death	NY BRONX	AAYX	12/1/1999	None
180	12/26/1987	None	61	67	Female	Not Contracepted	Hatch	NY BRONX	872254	12/26/1987	None
							Death	NY BRONX	NHN	12/13/1990	None
181	1/24/1988	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	888010	1/24/1988	None
							Death	SD-WAP	HHCP	3/1/1988	None
182	1/24/1988	None	70	97	Male	Not Contracepted	Hatch	SD-WAP	888014	1/24/1988	None
							Death	SD-WAP	HHEK	3/5/1988	None
183	1/24/1988	None	70	97	Female	Not Contracepted	Hatch	SD-WAP	888017	1/24/1988	None
							Death	SD-WAP	HHCK	3/14/1988	None
184	1/24/1988	None	70	97	Male	Not Contracepted	Hatch	SD-WAP	888018	1/24/1988	None
							Death	SD-WAP	NHXX	3/16/1988	None
185	2/25/1988	None	98	MULT 1	Female	Not Contracepted	Hatch	SANDIEGOZ	388183	2/25/1988	None
							Death	SANDIEGOZ	CCAK	9/11/1988	None
186	2/25/1988	None	98	MULT 1	Male	Not Contracepted	Hatch	SANDIEGOZ	388184	2/25/1988	None
							Transfer	FRESNO	5702	9/12/1988	None
							Death	FRESNO	NHN	12/21/1989	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
187	2/25/1988	None	98	MULT 1	Unknown	Not Contracepted	Hatch	SANDIEGOZ	388187	2/25/1988	None
							Death	SANDIEGOZ	NHN	4/14/1988	None
188	4/7/1988	None	153	152	Male	Not Contracepted	Hatch	TOLEDO	881518	4/7/1988	None
							Transfer	AUDUBON	1066	8/31/1988	None
							Transfer	LITTLEROC	4566	4/27/1994	None
							Death	LITTLEROC	NAN	7/24/1994	None
189	4/7/1988	None	153	152	Female	Not Contracepted	Hatch	TOLEDO	881519	4/7/1988	None
							Transfer	KANSASCTY	202305	8/23/1988	None
							Death	KANSASCTY	202305	3/27/2008	None
190	4/7/1988	None	153	152	Female	Not Contracepted	Hatch	TOLEDO	881520	4/7/1988	None
							Transfer	KANSASCTY	202306	8/23/1988	None
							Transfer	HOUSTON	12536	10/11/1990	None
							Transfer	FRESNO	6227	10/29/1992	None
							Death	FRESNO	AHXX	1/17/2002	None
191	4/7/1988	None	153	152	Female	Not Contracepted	Hatch	TOLEDO	881521	4/7/1988	None
							Transfer	SAN ANTON	881004	10/7/1988	None
							Death	SAN ANTON	HHEP	5/3/1989	None
192	5/22/1988	None	111	112	Female	Not Contracepted	Hatch	COLUMBIA	4646	5/22/1988	None
							Transfer	FRESNO	5693	10/20/1988	None
							Transfer	ATLANTA	900120	5/30/1990	None
							Death	ATLANTA	NAEX	10/19/1990	None
193	5/22/1988	None	111	112	Male	Not Contracepted	Hatch	COLUMBIA	004616	5/22/1988	None
							Transfer	KANSASCTY	202331	10/20/1988	None
							Death	KANSASCTY	HAAP	5/20/1995	None
194	5/22/1988	None	111	112	Unknown	Not Contracepted	Hatch	COLUMBIA	004647	5/22/1988	None
							Death	COLUMBIA	BHJK	7/11/1988	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
195	6/6/1988	None	98	MULT 1	Male	Not Contracepted	Hatch	SANDIEGOZ	388933	6/6/1988	None
							Transfer	PITTS CA	3289	3/28/1989	None
							Death	PITTS CA	NCN	6/22/1989	None
196	6/6/1988	None	98	MULT 1	Female	Not Contracepted	Hatch	SANDIEGOZ	388934	6/6/1988	None
							Transfer	FRESNO	5701	9/12/1988	None
							Death	FRESNO	NHN	12/24/1990	None
197	6/6/1988	None	98	MULT 1	Female	Not Contracepted	Hatch	SANDIEGOZ	388935	6/6/1988	None
							Transfer	AUDUBON	1166	5/11/1989	None
							Transfer	LITTLEROC	4567	4/27/1994	None
							Death	LITTLEROC	NAYX	2/23/2000	None
198	6/27/1988	None	120	137	Unknown	Not Contracepted	Hatch	DENVER	11206	6/27/1988	None
							Death	DENVER	AACO	8/16/1988	None
199	6/27/1988	None	120	137	Female	Not Contracepted	Hatch	DENVER	11207	6/27/1988	None
							Death	DENVER	FAGO	2/13/1989	None
200	6/28/1988	None	120	137	Female	Not Contracepted	Hatch	DENVER	11209	6/28/1988	None
							Death	DENVER	FAKN	10/11/1996	None
201	12/30/1988	None	122	123	Male	Not Contracepted	Hatch	ATLANTA	880269	12/30/1988	None
							Transfer	JACKSONVL	689069	6/14/1989	None
							Death	JACKSONVL	NHXX	11/16/2006	None
202	12/30/1988	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	880266	12/30/1988	None
							Transfer	LAX AIR	_____	6/9/1989	None
							Go LTF	LAX AIR	_____	6/9/1989	None
203	12/30/1988	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	880267	12/30/1988	None
							Transfer	LAX AIR	_____	6/9/1989	None
							Go LTF	LAX AIR	_____	6/9/1989	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
204	12/30/1988	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	880268	12/30/1988	None
							Transfer	LAX AIR	_____	6/9/1989	None
							Go LTF	LAX AIR	_____	6/9/1989	None
205	2/25/1989	None	188	174	Unknown	Not Contracepted	Hatch	AUDUBON	1153	2/25/1989	None
							Death	AUDUBON	HBAX	4/22/1989	None
206	4/1/1989	None	98	96	Male	Not Contracepted	Hatch	SANDIEGOZ	389555	4/1/1989	None
							Death	SANDIEGOZ	HCCP	5/7/1989	None
207	4/13/1989	None	98	96	Female	Not Contracepted	Hatch	SANDIEGOZ	389604	4/13/1989	None
							Transfer	SD-WAP	389604	10/4/1989	None
							Transfer	PORTLAND	90001	1/3/1990	None
							Death	PORTLAND	NAXX	3/13/1990	None
208	4/13/1989	None	98	96	Female	Not Contracepted	Hatch	SANDIEGOZ	389590	4/13/1989	None
							Death	SANDIEGOZ	BCCK	5/13/1989	None
209	4/13/1989	None	98	96	Male	Not Contracepted	Hatch	SANDIEGOZ	389591	4/13/1989	None
							Death	SANDIEGOZ	HBCP	6/9/1989	None
210	6/29/1989	None	122	123	Female	Not Contracepted	Hatch	ATLANTA	_____	6/29/1989	None
							Transfer	FRANKLINP	89A014	9/21/1989	None
							Transfer	HOUSTON	15527	12/6/1994	None
							Death	HOUSTON	NHXX	5/15/2001	None
211	6/29/1989	None	122	123	Male	Not Contracepted	Hatch	ATLANTA	890143	6/29/1989	None
							Transfer	FRANKLINP	89A015	9/21/1989	None
							Death	FRANKLINP	89A015	1/4/2008	None
212	6/29/1989	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	890144	6/29/1989	None
							Death	ATLANTA	AACN	8/14/1989	None
213	6/29/1989	None	122	123	Male	Not Contracepted	Hatch	ATLANTA	890145	6/29/1989	None
							Transfer	FRANKLINP	89A016	9/21/1989	None
							Transfer	ATLANTA	890145	12/13/1990	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	ATLANTA	NHXX	10/12/2001	None
214	7/18/1989	None	111	119	Unknown	Not Contracepted	Hatch	COLUMBIA	005186	7/18/1989	None
							Death	COLUMBIA	AHCP	10/9/1989	None
215	8/10/1989	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	200727	8/10/1989	None
							Death	LOWRY	NBY	10/17/1989	None
216	8/10/1989	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	200728	8/10/1989	None
							Death	LOWRY	NHN	10/17/1989	None
217	8/28/1989	None	39	29	Male	Not Contracepted	Hatch	FRANKLINP	89F009	8/28/1989	None
							Transfer	FRESNO	5817	12/4/1990	None
							Death	FRESNO	5817	1/29/2011	None
218	10/2/1989	None	188	197	Female	Not Contracepted	Hatch	AUDUBON	1294	10/2/1989	None
							Transfer	SANTA ANA	B90022	6/21/1990	None
							Transfer	ATLANTA	910100	1/9/1991	None
							Death	ATLANTA	FHN	2/23/1991	None
219	10/2/1989	None	188	197	Female	Not Contracepted	Hatch	AUDUBON	1293	10/2/1989	None
							Transfer	COLUMBIA	005253	4/5/1990	None
							Transfer	ATLANTA	A10047	11/29/2001	None
							Death	ATLANTA	NAY	8/26/2003	None
220	10/2/1989	None	188	197	Male	Not Contracepted	Hatch	AUDUBON	1295	10/2/1989	None
							Transfer	PHILADELP	204424	4/3/1991	None
							Death	PHILADELP	NIXX	10/24/1994	None
221	11/6/1989	None	111	119	Unknown	Not Contracepted	Hatch	COLUMBIA	005202	11/6/1989	None
							Death	COLUMBIA	HHCP	11/10/1989	None
222	11/23/1989	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	890215	11/23/1989	None
							Death	ATLANTA	NAXX	12/23/1989	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
223	11/27/1989	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	890216	11/27/1989	None
							Death	ATLANTA	NAY	12/20/1989	None
224	11/27/1989	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	890217	11/27/1989	None
							Death	ATLANTA	NAY	12/14/1989	None
225	11/27/1989	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	890218	11/27/1989	None
							Death	ATLANTA	NAY	12/14/1989	None
226	12/12/1989	None	122	123	Unknown	Not Contracepted	Hatch	ATLANTA	890219	12/12/1989	None
							Death	ATLANTA	NAY	12/14/1989	None
227	12/31/1989	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	200806	12/31/1989	None
							Death	LOWRY	NHY	2/2/1990	None
228	12/31/1989	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	200807	12/31/1989	None
							Death	LOWRY	NBYX	2/28/1990	None
229	12/31/1989	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	200808	12/31/1989	None
							Transfer	SCHROEDER	_____	4/2/1990	None
							Go LTF	SCHROEDER	_____	4/2/1990	None
230	12/31/1989	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	200809	12/31/1989	None
							Transfer	SCHROEDER	_____	4/2/1990	None
							Go LTF	SCHROEDER	_____	4/2/1990	None
231	12/31/1989	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	200810	12/31/1989	None
							Death	LOWRY	NHYX	2/1/1990	None
232	4/4/1990	None	120	137	Unknown	Not Contracepted	Hatch	DENVER	12075	4/4/1990	None
							Death	DENVER	NAN	5/23/1990	None
233	9/19/1990	None	104	121	Male	Not Contracepted	Hatch	OMAHA	5780	9/19/1990	None
							Death	OMAHA	NHN	9/1/1992	None
234	11/6/1990	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	201188	11/6/1990	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	LOWRY	NBY	11/17/1990	None
235	11/6/1990	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	201189	11/6/1990	None
							Death	LOWRY	NBY	11/18/1990	None
236	11/6/1990	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	201190	11/6/1990	None
							Death	LOWRY	NBY	11/13/1990	None
237	1/10/1991	None	111	219	Unknown	Not Contracepted	Hatch	COLUMBIA	005442	1/10/1991	None
							Death	COLUMBIA	FHAB	7/28/1991	None
238	1/10/1991	None	111	219	Female	Not Contracepted	Hatch	COLUMBIA	005443	1/10/1991	None
							Death	COLUMBIA	HHHJ	7/25/1991	None
239	2/28/1991	None	193	189	Female	Not Contracepted	Hatch	KANSASCTY	202699	2/28/1991	None
							Transfer	JACKSONVL	691100	11/13/1991	None
							Death	JACKSONVL	691100	8/26/2008	None
240	2/28/1991	None	193	189	Unknown	Not Contracepted	Hatch	KANSASCTY	202697	2/28/1991	None
							Death	KANSASCTY	NHN	4/2/1991	None
241	2/28/1991	None	193	189	Unknown	Not Contracepted	Hatch	KANSASCTY	202698	2/28/1991	None
							Death	KANSASCTY	NHN	4/19/1991	None
242	2/28/1991	None	193	189	Male	Neutered/Sterile	Hatch	KANSASCTY	202705	2/28/1991	None
							Transfer	NY BRONX	912153	9/19/1991	None
243	2/28/1991	None	193	189	Male	Not Contracepted	Hatch	KANSASCTY	202707	2/28/1991	None
							Transfer	HONOLULU	920093	4/8/1992	None
							Death	HONOLULU	NBN	6/21/1992	None
244	8/10/1991	None	153	92	Unknown	Not Contracepted	Hatch	DALLAS	917227	8/10/1991	None
							Death	DALLAS	HHAK	9/15/1991	None
245	8/10/1991	None	153	92	Male	Not Contracepted	Hatch	DALLAS	917257	8/10/1991	None
							Death	DALLAS	HHAK	9/22/1991	None
246	9/23/1991	None	11	29	Female	Not Contracepted	Hatch	FRANKLINP	91F471	9/23/1991	None
							Transfer	PITTS CA	4185	4/5/1994	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	PITTS CA	FCGX	7/9/2003	None
247	10/25/1991	None	111	219	Male	Not Contracepted	Hatch	COLUMBIA	005585	10/25/1991	None
							Transfer	HOUSTON	13867	7/9/1992	None
							Transfer	CALDWELL	104953	5/2/2003	None
							Death	CALDWELL	104953	3/15/2006	None
248	10/25/1991	None	111	219	Female	Not Contracepted	Hatch	COLUMBIA	005586	10/25/1991	None
							Transfer	PANAMACT	308	8/7/1992	None
							Death	PANAMACT	NBN	11/9/2002	None
249	1/1/1992	Month	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	4/1/1992	Month
							Transfer	SOEST	_____	5/1/1992	Month
							Transfer	HONOLULU	920201	7/17/1992	None
							Death	HONOLULU	NCXX	8/15/1992	None
250	1/24/1992	None	111	219	Unknown	Not Contracepted	Hatch	COLUMBIA	005627	1/24/1992	None
							Transfer	PANAMACT	309	8/7/1992	None
							Death	PANAMACT	09	10/15/2007	None
251	1/24/1992	None	111	219	Female	Not Contracepted	Hatch	COLUMBIA	005629	1/24/1992	None
							Transfer	TOPEKA	017393	11/16/1993	None
252	1/24/1992	None	111	219	Male	Not Contracepted	Hatch	COLUMBIA	005628	1/24/1992	None
							Transfer	TUCSON	933512	9/16/1993	None
							Transfer	OMAHA	10917	2/3/1999	None
							Death	OMAHA	10917	1/1/2010	None
253	2/17/1992	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	201772	2/17/1992	None
							Death	LOWRY	NHXX	7/12/1992	None
254	2/17/1992	None	150	168	Male	Not Contracepted	Hatch	LOWRY	201773	2/17/1992	None
							Transfer	PITTS CA	4164	11/11/1993	None
							Death	PITTS CA	FCDB	6/24/2003	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
255	3/24/1992	None	193	189	Female	Not Contracepted	Hatch	KANSASCTY	202816	3/24/1992	None
							Transfer	CALDWELL	002812	2/23/1993	None
							Death	CALDWELL	NHHJ	9/1/1998	None
256	3/24/1992	None	193	189	Unknown	Not Contracepted	Hatch	KANSASCTY	202815	3/24/1992	None
							Death	KANSASCTY	FADC	9/24/1992	None
257	3/28/1992	None	193	189	Female	Not Contracepted	Hatch	KANSASCTY	202819	3/28/1992	None
							Transfer	ATLANTA	920061	12/22/1992	None
							Death	ATLANTA	BHAK	3/1/1993	None
258	4/1/1992	Month	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	4/1/1992	Month
							Transfer	SOEST	_____	5/1/1992	Month
							Transfer	HONOLULU	920199	7/17/1992	None
							Death	HONOLULU	NCXX	8/8/1992	None
259	4/1/1992	Month	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	4/1/1992	Month
							Transfer	SOEST	_____	5/1/1992	Month
							Transfer	HONOLULU	920200	7/17/1992	None
							Death	HONOLULU	NHXX	4/5/2000	None
260	7/1/1992	None	111	219	Female	Not Contracepted	Hatch	COLUMBIA	005755	7/1/1992	None
							Death	COLUMBIA	NHN	8/27/1993	None
261	7/1/1992	None	111	219	Unknown	Not Contracepted	Hatch	COLUMBIA	005758	7/1/1992	None
							Death	COLUMBIA	HHHJ	7/25/1992	None
262	7/1/1992	None	111	219	Unknown	Not Contracepted	Hatch	COLUMBIA	005759	7/1/1992	None
							Death	COLUMBIA	HHHJ	7/29/1992	None
263	7/1/1992	None	111	219	Male	Not Contracepted	Hatch	COLUMBIA	005760	7/1/1992	None
							Death	COLUMBIA	NHCN	6/1/1993	None
264	7/13/1992	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	392291	7/13/1992	None
							Death	SANDIEGOZ	FAAB	7/15/1992	None
265	7/14/1992	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	392293	7/14/1992	None
							Transfer	TUCSON	933397	4/8/1993	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	TUCSON	FCY	11/15/1993	None
266	7/14/1992	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	392295	7/14/1992	None
							Death	SANDIEGOZ	CCCK	5/3/1993	None
267	7/19/1992	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	392670	7/19/1992	None
							Transfer	DENVER	930384	7/7/1993	None
							Death	DENVER	NAXX	6/14/2001	None
268	7/21/1992	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	392671	7/21/1992	None
							Transfer	THOMPSOND	_____	3/11/1994	None
							Go LTF	THOMPSOND	_____	3/11/1994	None
269	7/25/1992	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	392571	7/25/1992	None
							Death	SANDIEGOZ	BCCK	1/25/1993	None
270	7/26/1992	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	392572	7/26/1992	None
							Transfer	ATLANTA	930002	5/6/1993	None
							Death	ATLANTA	CHAK	6/28/1993	None
271	7/30/1992	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	392610	7/30/1992	None
							Death	SANDIEGOZ	CCCK	4/27/1993	None
272	7/31/1992	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	392693	7/31/1992	None
							Death	SANDIEGOZ	AACK	12/22/1993	None
273	8/3/1992	None	220	110	Unknown	Not Contracepted	Hatch	PHILADELP	204633	8/3/1992	None
							Death	PHILADELP	NIN	8/3/1992	None
274	8/3/1992	None	220	110	Unknown	Not Contracepted	Hatch	PHILADELP	204634	8/3/1992	None
							Death	PHILADELP	NIN	8/3/1992	None
275	8/3/1992	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	392578	8/3/1992	None
							Death	SANDIEGOZ	AAAP	9/10/1992	None
276	9/6/1992	None	220	110	Male	Not Contracepted	Hatch	PHILADELP	204637	9/6/1992	None
							Death	PHILADELP	NICK	9/6/1992	None
277	10/23/1992	None	220	110	Male	Not Contracepted	Hatch	PHILADELP	204643	10/23/1992	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	LOWRY	202320	6/14/1993	None
							Death	LOWRY	202320	3/24/2007	None
278	11/12/1992	None	150	168	Unknown	Not Contracepted	Hatch	LOWRY	202146	11/12/1992	None
							Death	LOWRY	NHN	12/24/1992	None
279	1/5/1993	None	150	168	Female	Not Contracepted	Hatch	LOWRY	202149	1/5/1993	None
							Transfer	GULF BREZ	1625	3/20/1993	None
							Death	GULF BREZ	NHAX	9/1/2004	None
280	2/25/1993	None	MULT	168	Unknown	Not Contracepted	Hatch	LOWRY	202183	2/25/1993	None
							Death	LOWRY	NHEK	3/8/1993	None
281	4/17/1993	None	159	109	Unknown	Not Contracepted	Hatch	BATONROUG	7144	4/17/1993	None
							Death	BATONROUG	NAY	5/12/1993	None
282	4/17/1993	None	159	109	Unknown	Not Contracepted	Hatch	BATONROUG	7145	4/17/1993	None
							Death	BATONROUG	AAY	5/26/1993	None
283	4/18/1993	None	201	239	Male	Not Contracepted	Hatch	JACKSONVL	693018	4/18/1993	None
							Transfer	WHEELER	_____	3/30/1999	None
							Go LTF	WHEELER	_____	3/30/1999	None
284	4/19/1993	None	201	239	Male	Not Contracepted	Hatch	JACKSONVL	693019	4/19/1993	None
							Transfer	ORLANDO	HAM251	4/7/1994	None
							Death	ORLANDO	NHXX	11/15/2001	None
285	4/20/1993	None	201	239	Male	Not Contracepted	Hatch	JACKSONVL	693021	4/20/1993	None
							Transfer	OMAHA	7700	3/31/1994	None
							Death	OMAHA	NHJX	4/15/1995	None
286	4/29/1993	None	220	110	Unknown	Not Contracepted	Hatch	PHILADELP	204681	4/29/1993	None
							Death	PHILADELP	NIXX	4/29/1993	None
287	6/28/1993	None	193	189	Unknown	Not Contracepted	Hatch	KANSASCTY	203057	6/28/1993	None
							Death	KANSASCTY	CAAX	6/22/1995	None
288	6/29/1993	None	193	189	Unknown	Not Contracepted	Hatch	KANSASCTY	203058	6/29/1993	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	SAFARI W	296108	5/9/1996	None
							Death	SAFARI W	GHN	5/3/1997	None
289	9/20/1993	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	393490	9/20/1993	None
							Death	SANDIEGOZ	GAAK	9/27/1993	None
290	11/1/1993	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	393510	11/1/1993	None
							Transfer	ATLANTA	940018	4/21/1994	None
							Death	ATLANTA	HHDN	6/6/1994	None
291	11/1/1993	None	70	97	Female	Not Contracepted	Hatch	SANDIEGOZ	393511	11/1/1993	None
							Death	SANDIEGOZ	CHFK	1/8/1994	None
292	11/1/1993	None	277	168	Male	Not Contracepted	Hatch	LOWRY	202440	11/1/1993	None
							Transfer	LEWIS D	_____	9/6/1994	None
							Go LTF	LEWIS D	_____	9/6/1994	None
293	11/1/1993	None	277	168	Female	Not Contracepted	Hatch	LOWRY	202442	11/1/1993	None
							Transfer	ORLANDO	HAM250	3/30/1994	None
							Death	ORLANDO	NHXX	5/28/1996	None
294	11/1/1993	None	277	168	Male	Not Contracepted	Hatch	LOWRY	202443	11/1/1993	None
							Transfer	LEWIS D	_____	9/6/1994	None
							Go LTF	LEWIS D	_____	9/6/1994	None
295	11/1/1993	None	277	168	Female	Not Contracepted	Hatch	LOWRY	202444	11/1/1993	None
							Transfer	GULF BREZ	A1720	3/15/1994	None
							Transfer	CLEVE R	_____	6/26/2001	None
							Transfer	MONTGOMR Y	2954	9/17/2001	None
							Death	MONTGOMR Y	2954	5/15/2009	None
296	11/1/1993	None	277	168	Female	Not Contracepted	Hatch	LOWRY	202439	11/1/1993	None
							Transfer	TUCSON	943539	3/24/1994	None
							Death	TUCSON	CCAK	3/25/1998	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
297	11/1/1993	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	394032	11/1/1993	None
							Transfer	LISBON	_____	5/23/1994	None
							Go LTF	LISBON	_____	5/23/1994	None
298	11/1/1993	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	394033	11/1/1993	None
							Transfer	LISBON	_____	5/23/1994	None
							Go LTF	LISBON	_____	5/23/1994	None
299	11/1/1993	None	70	97	Male	Not Contracepted	Hatch	SANDIEGOZ	394034	11/1/1993	None
							Transfer	HONOLULU	940302	8/3/1994	None
300	6/4/1994	None	277	168	Female	Not Contracepted	Hatch	LOWRY	202531	6/4/1994	None
							Death	LOWRY	NHKX	6/20/1994	None
301	6/4/1994	None	277	168	Male	Not Contracepted	Hatch	LOWRY	202532	6/4/1994	None
							Death	LOWRY	NHYX	6/30/1994	None
302	6/4/1994	None	277	168	Male	Not Contracepted	Hatch	LOWRY	202534	6/4/1994	None
							Transfer	LEWIS D	_____	9/6/1994	None
							Go LTF	LEWIS D	_____	9/6/1994	None
303	6/4/1994	None	277	168	Female	Not Contracepted	Hatch	LOWRY	202535	6/4/1994	None
							Transfer	LAKEBUENA	241101	11/7/1994	None
							Transfer	DALLAS	00D122	3/28/2000	None
							Death	DALLAS	AHXX	9/11/2005	None
304	6/4/1994	None	277	168	Female	Not Contracepted	Hatch	LOWRY	202533	6/4/1994	None
							Transfer	ST LOUIS	940855	8/25/1994	None
							Death	ST LOUIS	NHN	1/30/1995	None
305	9/1/1994	None	285	121	Unknown	Not Contracepted	Hatch	OMAHA	8078	9/1/1994	None
							Death	OMAHA	NHN	5/16/1997	None
306	11/14/1994	None	284	293	Unknown	Not Contracepted	Hatch	ORLANDO	HAM252	11/14/1994	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	SEAWLD TX	HI5000	9/27/1995	None
							Transfer	CL SPR AV	_____	8/1/1997	None
							Go LTF	CL SPR AV	_____	8/1/1997	None
307	11/15/1994	None	284	293	Female	Not Contracepted	Hatch	ORLANDO	HAM253	11/15/1994	None
							Transfer	SEAWLD TX	HI5001	9/27/1995	None
							Death	SEAWLD TX	NHXX	9/27/1998	None
308	12/21/1994	None	284	293	Male	Not Contracepted	Hatch	ORLANDO	HAM254	12/21/1994	None
							Transfer	DENVER	950397	9/12/1995	None
							Transfer	LITTLEROC	5167	12/6/1996	None
							Death	LITTLEROC	5167	5/20/2007	None
309	3/8/1995	None	89	303	Female	Not Contracepted	Hatch	LAKEBUENA	250319	3/8/1995	None
							Transfer	CL SPR AV	_____	6/17/1996	None
							Go LTF	CL SPR AV	_____	6/17/1996	None
310	3/8/1995	None	89	303	Unknown	Not Contracepted	Hatch	LAKEBUENA	250303	3/8/1995	None
							Death	LAKEBUENA	NHN	3/15/1995	None
311	3/8/1995	None	89	303	Female	Not Contracepted	Hatch	LAKEBUENA	250318	3/8/1995	None
							Transfer	OMAHA	8879	3/14/1996	None
							Death	OMAHA	NHXX	12/10/1996	None
312	3/8/1995	None	89	303	Male	Not Contracepted	Hatch	LAKEBUENA	250321	3/8/1995	None
							Transfer	LAKEBUENA	250321	3/8/1995	None
							Transfer	CL SPR AV	_____	6/17/1996	None
							Go LTF	CL SPR AV	_____	6/17/1996	None
313	3/8/1995	None	89	303	Female	Not Contracepted	Hatch	LAKEBUENA	250320	3/8/1995	None
							Transfer	OMAHA	8880	3/14/1996	None
							Death	OMAHA	AHN	4/27/1997	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
314	4/4/1995	None	159	109	Female	Not Contracepted	Hatch	BATONROUG	7466	4/4/1995	None
							Transfer	ST LOUIS	951012	10/18/1995	None
							Death	ST LOUIS	NHXX	1/13/1998	None
315	4/4/1995	None	159	109	Unknown	Not Contracepted	Hatch	BATONROUG	7467	4/4/1995	None
							Death	BATONROUG	CAN	7/5/1995	None
316	4/4/1995	None	159	109	Unknown	Not Contracepted	Hatch	BATONROUG	7468	4/4/1995	None
							Transfer	SCOTTSBLU	937	10/18/1995	None
							Death	SCOTTSBLU	KBDN	5/10/1996	None
317	4/5/1995	None	254	246	Unknown	Not Contracepted	Hatch	PITTS CA	4408	4/5/1995	None
							Death	PITTS CA	HCAK	5/1/1995	None
318	4/8/1995	None	284	293	Female	Not Contracepted	Hatch	ORLANDO	HAM255	4/8/1995	None
							Transfer	ST LOUIS	950832	8/23/1995	None
							Death	ST LOUIS	NHN	9/25/1995	None
319	4/11/1995	None	284	293	Male	Not Contracepted	Hatch	ORLANDO	HAM256	4/11/1995	None
							Transfer	DETROIT	5042	4/4/1996	None
							Death	DETROIT	AHXX	3/5/2005	None
320	6/30/1995	None	247	210	Female	Not Contracepted	Hatch	HOUSTON	15812	6/30/1995	None
							Death	HOUSTON	NCAB	1/19/1996	None
321	7/5/1995	None	247	210	Unknown	Not Contracepted	Hatch	HOUSTON	15816	7/5/1995	None
							Death	HOUSTON	NHY	7/5/1999	None
322	7/8/1995	None	116	255	Female	Not Contracepted	Hatch	CALDWELL	3631	7/8/1995	None
							Death	CALDWELL	GBAX	12/19/1996	None
323	7/19/1995	None	116	255	Male	Not Contracepted	Hatch	CALDWELL	3632	7/19/1995	None
							Transfer	CHICAGOLP	B9757	6/11/1997	None
							Death	CHICAGOLP	B9757	6/26/2005	None
324	9/2/1995	None	217	190	Female	Not Contracepted	Hatch	FRESNO	950182	9/2/1995	None
							Transfer	FRANKLINP	95A412	2/20/1997	None
							Death	FRANKLINP	NHXX	5/27/1997	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
325	9/28/1995	None	247	210	Female	Not Contracepted	Hatch	HOUSTON	15954	9/28/1995	None
							Transfer	SANDIEGOZ	396018	2/8/1996	None
							Death	SANDIEGOZ	FAXX	6/7/2002	None
326	9/29/1995	None	247	210	Unknown	Not Contracepted	Hatch	HOUSTON	15958	9/29/1995	None
							Death	HOUSTON	HBCK	12/24/1995	None
327	9/30/1995	None	247	210	Male	Not Contracepted	Hatch	HOUSTON	15959	9/30/1995	None
							Transfer	SCOTTSBLU	953	2/22/1996	None
							Transfer	ORLANDO	HAM261	9/24/2002	None
328	10/1/1995	None	247	210	Male	Not Contracepted	Hatch	HOUSTON	15960	10/1/1995	None
							Transfer	KANSASCTY	203485	3/5/1996	None
							Death	KANSASCTY	NACP	7/20/1996	None
329	10/4/1995	None	247	210	Unknown	Not Contracepted	Hatch	HOUSTON	15961	10/4/1995	None
							Death	HOUSTON	NCAO	11/8/1995	None
330	2/18/1996	None	299	259	Male	Not Contracepted	Hatch	HONOLULU	960059	2/18/1996	None
							Transfer	ORLANDO	HAM257	11/6/1996	None
							Transfer	CROFT L	_____	8/28/1997	None
							Go LTF	CROFT L	_____	8/28/1997	None
331	2/18/1996	None	299	259	Male	Not Contracepted	Hatch	HONOLULU	960058	2/18/1996	None
							Transfer	KANSASCTY	203663	11/6/1996	None
							Death	KANSASCTY	203663	6/14/2010	None
332	3/7/1996	None	159	109	Male	Not Contracepted	Hatch	BATONROUG	7658	3/7/1996	None
							Transfer	SAN ANTON	960728	7/11/1996	None
							Death	SAN ANTON	960728	6/23/2007	None
333	4/21/1996	None	217	190	Male	Not Contracepted	Hatch	FRESNO	960030	4/21/1996	None
							Transfer	SEAWLD TX	HI5002	12/12/1996	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	BUSCH TAM	61676	12/3/2001	None
334	4/21/1996	None	217	190	Male	Not Contracepted	Hatch	FRESNO	960031	4/21/1996	None
							Transfer	FRESNO	960031	9/15/1996	Month
							Transfer	CHICAGOLP	B971	2/20/1997	None
							Death	CHICAGOLP	B971	8/11/2009	None
336	5/1/1996	None	254	246	Male	Not Contracepted	Hatch	PITTS CA	4551	5/1/1996	None
							Transfer	OMAHA	9401	12/5/1996	None
							Death	OMAHA	AHJK	12/23/1996	None
337	5/1/1996	None	254	246	Unknown	Not Contracepted	Hatch	PITTS CA	4556	5/1/1996	None
							Transfer	MARTIN P	_____	12/11/1996	None
							Go LTF	MARTIN P	_____	12/11/1996	None
338	5/4/1996	None	254	246	Unknown	Not Contracepted	Hatch	PITTS CA	4557	5/4/1996	None
							Transfer	MARTIN P	_____	12/11/1996	None
							Go LTF	MARTIN P	_____	12/11/1996	None
339	5/5/1996	None	254	246	Unknown	Not Contracepted	Hatch	PITTS CA	4558	5/5/1996	None
							Death	PITTS CA	NHAK	5/14/1996	None
340	6/11/1996	None	299	259	Female	Not Contracepted	Hatch	HONOLULU	960240	6/11/1996	None
							Transfer	PANAWEA	_____	2/6/1997	None
							Death	PANAWEA	NHXP	10/15/1998	Day
341	7/12/1996	None	299	259	Female	Not Contracepted	Hatch	HONOLULU	960241	7/12/1996	None
							Transfer	SCOTTSBLU	1062	11/6/1996	None
							Death	SCOTTSBLU	NHXX	12/23/2001	None
342	7/16/1996	None	299	259	Female	Not Contracepted	Hatch	HONOLULU	960243	7/16/1996	None
							Transfer	CL SPR AV	_____	12/3/1996	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Go LTF	CL SPR AV	_____	12/3/1996	None
343	7/19/1996	None	299	259	Female	Not Contracepted	Hatch	HONOLULU	960254	7/19/1996	None
							Transfer	CL SPR AV	_____	12/3/1996	None
							Transfer	SAN ANTON	970318	3/12/1997	None
							Death	SAN ANTON	FDAB	8/16/2005	None
345	9/8/1996	None	247	210	Unknown	Not Contracepted	Hatch	HOUSTON	16556	9/8/1996	None
							Death	HOUSTON	NHXX	9/10/1996	None
346	3/18/1997	None	89	303	Unknown	Not Contracepted	Hatch	LAKEBUENA	270315	3/18/1997	None
							Death	LAKEBUENA	NHYX	3/22/1997	None
347	3/19/1997	None	89	303	Male	Not Contracepted	Hatch	LAKEBUENA	270316	3/19/1997	None
							Transfer	UMGENI PK	_____	5/7/2000	None
							Go LTF	UMGENI PK	_____	5/7/2000	None
348	3/20/1997	None	89	303	Female	Not Contracepted	Hatch	LAKEBUENA	270317	3/20/1997	None
							Death	LAKEBUENA	NBYX	3/22/1997	None
349	4/25/1997	None	217	190	Female	Not Contracepted	Hatch	FRESNO	970070	4/25/1997	None
							Transfer	PORTLAND	97052	12/4/1997	None
							Death	PORTLAND	NHXX	3/21/2005	None
350	4/25/1997	None	217	190	Male	Not Contracepted	Hatch	FRESNO	970072	4/25/1997	None
							Transfer	OAKLAND	1111	9/18/1997	None
							Death	OAKLAND	FHJX	11/29/2001	None
351	4/25/1997	None	217	190	Female	Not Contracepted	Hatch	FRESNO	970071	4/25/1997	None
							Transfer	OAKLAND	1112	9/18/1997	None
							Death	OAKLAND	NHAX	1/27/2005	None
352	4/26/1997	None	247	210	Female	Not Contracepted	Hatch	HOUSTON	16795	4/26/1997	None
							Transfer	BATONROUG	8237	8/12/1997	None
353	4/27/1997	None	217	190	Male	Not Contracepted	Hatch	FRESNO	970112	4/27/1997	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	DISNEY AK	970388	12/4/1997	None
							Death	DISNEY AK	970388	1/30/2010	None
354	4/28/1997	None	247	210	Female	Not Contracepted	Hatch	HOUSTON	16797	4/28/1997	None
							Transfer	DISNEY AK	970394	12/10/1997	None
							Death	DISNEY AK	970394	6/14/2011	None
355	7/19/1997	None	333	307	Female	Not Contracepted	Hatch	SEAWLD TX	HI5004	7/19/1997	None
							Transfer	BUSCH TAM	60020	10/29/1997	None
356	7/19/1997	None	333	307	Male	Not Contracepted	Hatch	SEAWLD TX	HI5006	7/19/1997	None
							Transfer	SAFARI W	298001	3/5/1998	None
							Death	SAFARI W	HHN	2/20/1999	None
357	7/19/1997	None	333	307	Male	Not Contracepted	Hatch	SEAWLD TX	HI5005	7/19/1997	None
							Transfer	LINCOLN C	1225	3/19/1998	None
							Death	LINCOLN C	FHHO	4/26/2002	None
358	7/19/1997	None	333	307	Male	Not Contracepted	Hatch	SEAWLD TX	HI5003	7/19/1997	None
							Transfer	SAFARI W	289002	3/5/1998	None
							Death	SAFARI W	HHN	2/19/1999	None
359	8/2/1997	None	247	210	Unknown	Not Contracepted	Hatch	HOUSTON	17021	8/2/1997	None
							Death	HOUSTON	NHYX	8/30/1997	None
360	8/2/1997	None	247	210	Male	Not Contracepted	Hatch	HOUSTON	17022	8/2/1997	None
							Transfer	PORTLAND	97051	12/3/1997	None
							Death	PORTLAND	NHXX	5/13/2003	None
361	10/22/1997	None	116	255	Unknown	Not Contracepted	Hatch	CALDWELL	104149	10/22/1997	None
							Death	CALDWELL	NBAK	10/28/1997	None
362	3/1/1998	None	89	303	Male	Not Contracepted	Hatch	LAKEBUENA	280310	3/1/1998	None
							Transfer	DISNEY AK	000112	3/28/2000	None
							Transfer	GULF BREZ	A2856	9/29/2000	None
							Death	GULF BREZ	NHXX	4/8/2002	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
363	3/1/1998	None	89	303	Unknown	Not Contracepted	Hatch	LAKEBUENA	280309	3/1/1998	None
							Transfer	BALTIMORE	442	4/25/2000	None
							Death	BALTIMORE	NHXX	6/5/2000	None
364	3/10/1998	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	8361	3/10/1998	None
							Transfer	OMAHA	10661	9/9/1998	None
365	3/10/1998	None	159	352	Female	Not Contracepted	Hatch	BATONROUG	8362	3/10/1998	None
							Transfer	ST LOUIS	980906	9/8/1998	None
							Transfer	RIO GRAND	B02069	11/13/2002	None
							Death	RIO GRAND	NAEX	10/24/2004	None
366	3/12/1998	None	159	352	Unknown	Not Contracepted	Hatch	BATONROUG	8363	3/12/1998	None
							Death	BATONROUG	CBAK	6/1/1998	None
367	3/21/1998	None	333	307	Male	Not Contracepted	Hatch	SEAWLD TX	HI5007	3/21/1998	None
							Transfer	TOLEDO	981640	11/19/1998	None
							Transfer	SAN ANTON	N09021	11/5/2009	None
368	3/21/1998	None	333	307	Male	Not Contracepted	Hatch	SEAWLD TX	HI5008	3/21/1998	None
							Transfer	CL SPR AV	_____	7/22/1999	None
							Go LTF	CL SPR AV	_____	7/22/1999	None
369	3/22/1998	None	333	307	Male	Not Contracepted	Hatch	SEAWLD TX	HI3009	3/22/1998	None
							Transfer	CL SPR AV	_____	7/20/1999	None
							Go LTF	CL SPR AV	_____	7/20/1999	None
370	4/8/1998	None	111	219	Unknown	Not Contracepted	Hatch	COLUMBIA	6595	4/8/1998	None
							Death	COLUMBIA	NHN	4/28/1998	None
371	4/8/1998	None	217	190	Female	Not Contracepted	Hatch	FRESNO	980040	4/8/1998	None
							Transfer	SAFARI W	_____	10/19/1998	None
							Death	SAFARI W	HHXX	10/20/1998	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
372	4/8/1998	None	217	190	Male	Not Contracepted	Hatch	FRESNO	980041	4/8/1998	None
							Transfer	SAFARI W	_____	10/19/1998	None
							Death	SAFARI W	HHXX	10/20/1998	None
373	5/6/1998	None	247	210	Female	Not Contracepted	Hatch	HOUSTON	17377	5/6/1998	None
							Transfer	SEAWLD TX	HI5010	1/12/1999	None
							Transfer	BUSCH TAM	61677	12/3/2001	None
374	5/6/1998	None	247	210	Male	Not Contracepted	Hatch	HOUSTON	17376	5/6/1998	None
							Transfer	SD-WAP	399057	3/4/1999	None
							Transfer	SANDIEGOZ	399057	3/10/2011	None
375	6/16/1998	None	331	189	Female	Not Contracepted	Hatch	KANSASCTY	98A077	6/16/1998	None
							Transfer	TOLEDO	981624	11/17/1998	None
							Transfer	CHEHAW	B05023	10/13/2005	None
							Death	CHEHAW	B05023	10/4/2008	None
376	1/7/1999	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	990101	1/7/1999	Day
							Transfer	LAKEBUENA	300301	3/28/2000	None
							Transfer	BALTIMORE	441	4/25/2000	None
377	1/7/1999	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	990116	1/7/1999	Day
							Transfer	CROFT L	200035	6/15/2000	None
							Go LTF	CROFT L	200035	6/15/2000	None
378	1/7/1999	Day	353	354	Female	Not Contracepted	Hatch	DISNEY AK	990102	1/7/1999	Day
							Transfer	HONOLULU	202172	10/8/2002	None
							Death	HONOLULU	BHXX	3/30/2003	None
379	2/4/1999	None	165	355	Unknown	Not Contracepted	Hatch	BUSCH TAM	60412	2/4/1999	None
							Death	BUSCH TAM	NHN	2/12/1999	None
380	2/5/1999	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	8532	2/5/1999	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	BUSCH TAM	61441	6/4/2001	None
381	4/5/1999	None	165	355	Male	Not Contracepted	Hatch	BUSCH TAM	60464	4/5/1999	None
							Transfer	ORLANDO	HAM259	5/19/1999	None
							Transfer	SAFARI W	200022	9/14/2000	None
							Death	SAFARI W	NHXX	8/11/2001	None
382	4/5/1999	None	165	355	Male	Not Contracepted	Hatch	BUSCH TAM	60465	4/5/1999	None
							Transfer	ORLANDO	HAM258	5/19/1999	None
							Transfer	SAFARI W	200023	9/14/2000	None
							Death	SAFARI W	NCGP	7/3/2005	None
383	4/5/1999	None	165	355	Male	Not Contracepted	Hatch	BUSCH TAM	60466	4/5/1999	None
							Transfer	OAKLAND	1436	2/26/2002	None
							Death	OAKLAND	1436	12/8/2009	None
384	4/5/1999	None	165	355	Male	Not Contracepted	Hatch	BUSCH TAM	60589	4/5/1999	None
							Transfer	ATLANTA	A20001	3/27/2002	None
							Death	ATLANTA	A20001	6/18/2012	None
385	5/1/1999	None	201	239	Female	Not Contracepted	Hatch	JACKSONVL	699024	5/1/1999	None
							Transfer	COLUMBUS	100039	7/13/2001	None
							Death	COLUMBUS	100039	2/1/2012	None
386	6/30/1999	None	159	352	Female	Not Contracepted	Hatch	BATONROUG	8652	6/30/1999	None
							Transfer	CALDWELL	104450	10/1/1999	None
							Death	CALDWELL	NHXX	9/29/2004	None
387	10/11/1999	Day	353	378	Male	Not Contracepted	Hatch	DISNEY AK	990473	10/11/1999	Day
							Transfer	CROFT L	200036	6/15/2000	None
							Go LTF	CROFT L	200036	6/15/2000	None
388	10/12/1999	Day	353	378	Female	Not Contracepted	Hatch	DISNEY AK	990474	10/12/1999	Day
							Transfer	PHILADELP	205304	10/8/2002	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
389	7/1/1996	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE	_____	2/1/1997	None
							Transfer	SD-WAP	899280	8/13/1999	None
390	7/1/1996	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE	_____	2/1/1997	Month
							Transfer	SD-WAP	899281	8/13/1999	None
391	7/1/1996	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE	_____	2/1/1997	Month
							Transfer	SD-WAP	899282	8/13/1999	None
392	7/1/1996	Year	WILD	WILD	Female	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE	_____	2/1/1997	Month
							Transfer	SD-WAP	899283	8/13/1999	None
393	7/1/1996	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1997	Month
							Transfer	TROPISCHE	_____	2/1/1997	Month
							Transfer	SD-WAP	899284	8/13/1999	None
							Death	SD-WAP	899284	7/6/2011	None
394	7/1/1998	Year	WILD	WILD	Male	Not Contracepted	Wild Capture	TANZANIA	NONE	1/1/1999	Month
							Transfer	TROPISCHE	_____	2/1/1999	Month
							Transfer	SD-WAP	800236	7/14/2000	None
							Transfer	SANDIEGOZ	800236	2/11/2002	None
							Transfer	SD-WAP	800236	3/1/2011	None
395	5/7/1999	Day	254	246	Female	Not Contracepted	Hatch	PITTS CA	5333	5/7/1999	Day
							Transfer	OMAHA	11462	3/2/2000	None
							Death	OMAHA	BHAK	4/15/2002	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
396	5/9/1999	Day	254	246	Unknown	Not Contracepted	Hatch	PITTS CA	5335	5/9/1999	Day
							Death	PITTS CA	NHXX	5/10/1999	None
397	6/23/1999	None	374	96	Female	Not Contracepted	Hatch	SD-WAP	899295	6/23/1999	None
							Transfer	OMAHA	11407	12/15/1999	None
							Death	OMAHA	NHXX	4/10/2003	None
398	6/23/1999	None	374	96	Male	Not Contracepted	Hatch	SD-WAP	899297	6/23/1999	None
							Transfer	CROFT L	_____	12/16/1999	None
							Death	CROFT L	NHXX	12/29/1999	None
399	6/23/1999	None	374	96	Female	Not Contracepted	Hatch	SD-WAP	899294	6/23/1999	None
							Transfer	OMAHA	11406	12/15/1999	None
							Death	OMAHA	NHXX	12/29/1999	None
400	6/29/1999	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	8650	6/29/1999	None
							Transfer	MONTGOMRY	2945	9/17/2001	None
401	6/29/1999	None	159	352	Unknown	Not Contracepted	Hatch	BATONROUG	8651	6/29/1999	None
							Death	BATONROUG	CAN	7/13/2000	None
402	7/15/2000	Day	153	303	Female	Not Contracepted	Hatch	DALLAS	00D471	7/15/2000	Day
							Transfer	GARDENCTY	B02040	1/6/2002	None
							Death	GARDENCTY	B02040	6/21/2012	None
403	3/22/2000	None	252	397	Unknown	Not Contracepted	Hatch	OMAHA	11591	3/22/2000	None
							Death	OMAHA	HHAK	5/30/2000	None
404	3/22/2000	None	252	397	Unknown	Not Contracepted	Hatch	OMAHA	11592	3/22/2000	None
							Death	OMAHA	BHCK	8/18/2000	None
405	3/22/2000	None	252	397	Unknown	Not Contracepted	Hatch	OMAHA	11839	3/22/2000	None
							Death	OMAHA	NHXX	6/18/2003	None
406	3/30/2000	None	367	375	Unknown	Not Contracepted	Hatch	TOLEDO	1143	3/30/2000	None
							Death	TOLEDO	NBJK	7/17/2000	None
407	3/30/2000	None	367	375	Male	Not Contracepted	Hatch	TOLEDO	1216	3/30/2000	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	NZP-WASH	214656	9/14/2000	None
408	6/5/2000	None	331	189	Female	Not Contracepted	Hatch	KANSASCTY	A00057	6/5/2000	None
							Transfer	ORLANDO	HAM260	10/24/2000	None
409	3/23/2001	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	801072	3/23/2001	None
							Death	SD-WAP	NHXX	2/7/2002	None
410	3/23/2001	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	801158	3/23/2001	None
							Transfer	HOUSTON	19579	9/28/2001	None
411	3/23/2001	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	801170	3/23/2001	None
							Transfer	CALGARY	105806	9/27/2001	None
							Death	CALGARY	105806	5/11/2008	None
412	3/23/2001	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	801171	3/23/2001	None
							Transfer	CALGARY	105807	9/27/2001	None
413	4/23/2001	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	801131	4/23/2001	None
							Transfer	BALTIMORE	1698	10/25/2001	None
							Death	BALTIMORE	1698	8/11/2012	None
414	5/29/2001	Day	367	375	Unknown	Not Contracepted	Hatch	TOLEDO	1960	5/29/2001	Day
							Death	TOLEDO	BBCK	7/12/2001	None
415	6/1/2000	None	252	397	Unknown	Not Contracepted	Hatch	OMAHA	11880	6/1/2000	None
							Death	OMAHA	FHGB	3/16/2006	None
416	6/1/2000	None	252	397	Unknown	Not Contracepted	Hatch	OMAHA	11881	6/1/2000	None
							Death	OMAHA	11881	5/22/2010	None
417	7/31/2001	None	364	395	Female	Not Contracepted	Hatch	OMAHA	12513	7/31/2001	None
							Transfer	LINCOLN C	1364	3/3/2002	None
							Death	LINCOLN C	1364	4/8/2011	None
418	12/12/2001	None	UNK	UNK	Unknown	Not Contracepted	Hatch	OMAHA	12539	12/12/2001	None
							Death	OMAHA	BHAK	2/10/2002	None
419	12/12/2001	None	UNK	UNK	Unknown	Not Contracepted	Hatch	OMAHA	12540	12/12/2001	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	OMAHA	NHXX	5/14/2003	None
420	12/12/2001	None	UNK	UNK	Unknown	Not Contracepted	Hatch	OMAHA	12585	12/12/2001	None
							Death	OMAHA	BHJK	2/17/2002	None
421	12/12/2001	None	UNK	UNK	Female	Not Contracepted	Hatch	OMAHA	12586	12/12/2001	None
							Death	OMAHA	CHCK	12/5/2004	None
422	12/12/2001	None	UNK	UNK	Unknown	Not Contracepted	Hatch	OMAHA	12595	12/12/2001	None
							Death	OMAHA	BHAK	2/19/2002	None
423	12/12/2001	None	252	397	Male	Not Contracepted	Hatch	OMAHA	12596	12/12/2001	None
							Death	OMAHA	12596	6/29/2010	None
424	4/4/2002	None	367	375	Male	Not Contracepted	Hatch	TOLEDO	2339	4/4/2002	None
							Transfer	CAMDEN	1967	4/29/2004	None
							Death	CAMDEN	1967	5/20/2005	None
425	4/4/2002	None	367	375	Male	Not Contracepted	Hatch	TOLEDO	2340	4/4/2002	None
							Transfer	CAMDEN	1968	4/29/2004	None
							Death	CAMDEN	1968	5/4/2004	None
426	4/4/2002	None	367	375	Male	Not Contracepted	Hatch	TOLEDO	2341	4/4/2002	None
							Transfer	PHILADELP	205314	1/12/2003	None
							Death	PHILADELP	205314	5/1/2011	None
427	4/9/2002	None	159	352	Male	Not Contracepted	Hatch	BATONROUG	9360	4/9/2002	None
							Transfer	DENVER	A11204	8/11/2011	None
428	5/10/2002	None	UNK	UNK	Unknown	Not Contracepted	Hatch	OMAHA	12816	5/10/2002	None
							Death	OMAHA	NHXX	7/24/2003	None
429	5/10/2002	None	UNK	UNK	Female	Not Contracepted	Hatch	OMAHA	12817	5/10/2002	None
							Transfer	ATLANTA	A40020	9/21/2004	None
							Death	ATLANTA	NHXX	2/18/2006	None
430	5/10/2002	None	UNK	UNK	Female	Not Contracepted	Hatch	OMAHA	12818	5/10/2002	None
							Death	OMAHA	NHXX	6/25/2004	None
431	9/4/2002	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	020402	9/4/2002	Day

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	PITTS CA	6606	9/17/2003	None
432	9/4/2002	Day	353	354	Unknown	Not Contracepted	Hatch	DISNEY AK	020403	9/4/2002	Day
							Death	DISNEY AK	NHY	1/16/2003	None
433	9/4/2002	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	020404	9/4/2002	Day
							Transfer	GULF BREZ	A3317	5/12/2003	None
							Transfer	CAMDEN	2665	11/29/2005	None
434	9/4/2002	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	020405	9/4/2002	Day
							Death	DISNEY AK	BACK	10/24/2005	None
435	9/6/2002	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	802281	9/6/2002	None
							Transfer	DENVER	A03332	9/25/2003	None
436	9/6/2002	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	802283	9/6/2002	None
							Transfer	SAN FRAN	204013	3/23/2004	None
							Death	SAN FRAN	204013	1/5/2008	None
437	9/6/2002	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	802290	9/6/2002	None
							Transfer	LINCOLN C	1434	4/4/2006	None
438	9/6/2002	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	802291	9/6/2002	None
							Death	SD-WAP	NHXX	3/13/2004	None
439	9/6/2002	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	802293	9/6/2002	None
							Transfer	FRESNO	230087	7/21/2003	None
440	9/6/2002	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	802296	9/6/2002	None
							Death	SD-WAP	NHXX	3/3/2003	None
441	8/23/2000	None	80	365	Female	Not Contracepted	Hatch	ST LOUIS	100492	8/23/2000	None
							Transfer	CALGARY	105973	5/16/2002	None
							Death	CALGARY	NHXX	3/4/2003	None
442	8/12/2001	None	80	365	Female	Not Contracepted	Hatch	ST LOUIS	101277	8/12/2001	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	CALGARY	105974	5/16/2002	None
							Death	CALGARY	NHXX	12/31/2002	None
443	7/27/1998	None	332	343	Female	Not Contracepted	Hatch	SAN ANTON	980768	7/27/1998	None
							Transfer	LITTLEROC	6223	4/1/2003	None
							Death	LITTLEROC	FAGB	8/23/2005	None
444	10/1/2002	Day	384	219	Male	Not Contracepted	Hatch	ATLANTA	A20023	10/1/2002	Day
							Transfer	RIO GRAND	B04042	10/1/2004	None
445	8/22/2002	Day	384	219	Male	Not Contracepted	Hatch	ATLANTA	A20024	8/22/2002	Day
							Transfer	PORTLAND	A30285	11/12/2002	None
446	7/15/2002	Month	252	397	Male	Not Contracepted	Hatch	OMAHA	13064	7/15/2002	Month
447	1/17/2003	None	UNK	UNK	Unknown	Not Contracepted	Hatch	OMAHA	13576	1/17/2003	None
							Death	OMAHA	FHDC	5/11/2003	None
448	4/15/2003	Day	252	397	Unknown	Not Contracepted	Hatch	OMAHA	13851	4/15/2003	Day
							Death	OMAHA	13851	12/13/2007	None
449	1/1/1992	Year	WILD	WILD	Unknown	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1992	Year
							Transfer	SOEST	_____	3/15/1992	Month
							Transfer	HONOLULU	920202	7/17/1992	None
							Death	HONOLULU	CCCK	4/21/1994	None
450	2/17/2002	None	391	389	Unknown	Not Contracepted	Hatch	SD-WAP	802068	2/17/2002	None
							Death	SD-WAP	NHXX	4/12/2002	None
451	8/8/2002	None	159	352	Unknown	Not Contracepted	Hatch	BATONROUG	9460	8/8/2002	None
							Death	BATONROUG	GAN	8/28/2002	None
452	10/5/2002	None	247	410	Male	Not Contracepted	Hatch	HOUSTON	20031	10/5/2002	None
							Transfer	UNKNOWN	_____	4/7/2003	None
							Go LTF	UNKNOWN	_____	4/7/2003	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
453	10/5/2002	None	247	410	Female	Not Contracepted	Hatch	HOUSTON	20032	10/5/2002	None
							Transfer	UNKNOWN	_____	4/7/2003	None
							Go LTF	UNKNOWN	_____	4/7/2003	None
454	3/1/2003	Day	327	408	Unknown	Not Contracepted	Hatch	ORLANDO	HAM262	3/1/2003	Day
							Death	ORLANDO	AIAX	4/1/2003	None
455	6/4/2003	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	803164	6/4/2003	None
							Transfer	SANDIEGOZ	803164	2/19/2004	None
456	6/4/2003	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	803165	6/4/2003	None
							Transfer	HONOLULU	204016	3/25/2004	None
457	6/5/2003	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	803268	6/5/2003	None
							Transfer	SAN FRAN	204014	3/23/2004	None
							Death	SAN FRAN	204014	11/15/2008	None
458	12/15/2003	Day	UNK	UNK	Unknown	Not Contracepted	Hatch	OMAHA	14757	12/15/2003	Day
							Death	OMAHA	NHAA	7/29/2004	None
459	3/6/2004	None	217	439	Female	Not Contracepted	Hatch	FRESNO	240018	3/6/2004	None
							Transfer	SAFARI W	204016	7/15/2004	None
							Death	SAFARI W	204016	3/29/2007	None
460	4/1/2004	None	217	439	Female	Not Contracepted	Hatch	FRESNO	240019	4/1/2004	None
							Transfer	SAFARI W	204017	7/15/2004	None
							Death	SAFARI W	NHXX	12/31/2005	None
461	4/1/2004	None	217	439	Female	Not Contracepted	Hatch	FRESNO	240020	4/1/2004	None
							Transfer	SAFARI W	204018	7/15/2004	None
							Death	SAFARI W	NHXX	1/24/2005	None
462	4/1/2004	None	217	439	Female	Not Contracepted	Hatch	FRESNO	240021	4/1/2004	None
							Transfer	SAFARI W	204019	7/15/2004	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	SHEFFLER	_____	12/8/2004	None
							Go LTF	SHEFFLER	_____	12/8/2004	None
463	4/1/2004	None	217	439	Male	Not Contracepted	Hatch	FRESNO	240022	4/1/2004	None
							Transfer	SAFARI W	204030	9/19/2004	None
							Death	SAFARI W	204030	11/25/2008	None
464	4/3/2004	Day	445	349	Male	Not Contracepted	Hatch	PORTLAND	A40057	4/3/2004	Day
							Transfer	SAFARI W	204054	11/27/2004	None
							Transfer	SHEFFLER	_____	12/8/2004	None
							Go LTF	SHEFFLER	_____	12/8/2004	None
465	4/3/2004	Day	445	349	Female	Not Contracepted	Hatch	PORTLAND	A40058	4/3/2004	Day
							Transfer	PITTS CA	7306	5/5/2005	None
							Death	PITTS CA	306	1/8/2007	None
466	4/17/2004	None	394	455	Male	Not Contracepted	Hatch	SANDIEGOZ	304095	4/17/2004	None
							Death	SANDIEGOZ	NHXX	9/20/2006	None
467	4/17/2004	None	394	455	Female	Not Contracepted	Hatch	SANDIEGOZ	304096	4/17/2004	None
							Transfer	CAMDEN	2169	11/16/2004	None
468	4/17/2004	None	394	455	Male	Not Contracepted	Hatch	SANDIEGOZ	304097	4/17/2004	None
							Death	SANDIEGOZ	NHXX	6/2/2005	None
469	4/17/2004	None	394	455	Male	Not Contracepted	Hatch	SANDIEGOZ	304098	4/17/2004	None
							Transfer	FORTWORTH	204413	3/23/2006	None
470	6/19/2004	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205404	6/19/2004	None
							Death	PHILADELP	AHN	6/19/2004	None
471	9/23/2004	None	299	456	Unknown	Not Contracepted	Hatch	HONOLULU	204052	9/23/2004	None
							Death	HONOLULU	AHXX	11/4/2004	None
472	9/23/2004	None	299	456	Female	Not Contracepted	Hatch	HONOLULU	204053	9/23/2004	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	OAKLAND	1726	4/14/2005	None
							Transfer	SAN FRAN		6/27/2012	None
473	6/4/2003	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	803166	6/4/2003	None
							Transfer	QUEBEC	A54702	6/16/2005	None
							Transfer	TORONTO	41812	6/13/2007	None
474	3/12/2005	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	805034	3/12/2005	None
							Transfer	LOWRY	205446	3/30/2006	None
475	1/1/1971	Unknown	WILD	WILD	Male	Not Contracepted	Wild Capture	AFRICAN	NONE	1/1/1971	Year
							Transfer	SD-WAP	002310	3/29/1972	None
							Death	SD-WAP	NHYX	4/9/1972	None
476	7/15/2003	Day	327	408	Male	Not Contracepted	Hatch	ORLANDO	HAM263	7/15/2003	Day
							Transfer	GARDENCTY	207034	11/13/2007	None
478	4/18/2005	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205456	4/18/2005	None
							Death	PHILADELP	OHN	4/18/2005	None
479	4/18/2005	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205457	4/18/2005	None
							Death	PHILADELP	OHN	4/18/2005	None
480	4/18/2005	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205458	4/18/2005	None
							Death	PHILADELP	OHN	4/18/2005	None
481	4/18/2005	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205459	4/18/2005	None
							Death	PHILADELP	OHN	4/18/2005	None
482	4/18/2005	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205460	4/18/2005	None
							Death	PHILADELP	OHXX	4/18/2005	None
483	2/5/2006	None	UNK	392	Unknown	Not Contracepted	Hatch	SD-WAP	806017	2/5/2006	None
							Death	SD-WAP	806017	2/6/2006	None
484	6/20/2006	Day	353	354	Female	Not Contracepted	Hatch	DISNEY AK	060194	6/20/2006	Day
							Transfer	LOWRY	205614	4/4/2007	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	LOWRY	205614	11/22/2008	None
485	6/20/2006	Day	353	354	Male	Not Contracepted	Hatch	DISNEY AK	060195	6/20/2006	Day
							Transfer	JACKSONVL	607310	4/23/2007	None
486	6/24/2005	None	299	456	Female	Not Contracepted	Hatch	HONOLULU	205092	6/24/2005	None
							Transfer	NZP-WASH	215513	3/9/2006	None
							Death	NZP-WASH	215513	1/2/2012	None
487	7/3/2008	Day	376	413	Unknown	Not Contracepted	Hatch	BALTIMORE	5628	7/3/2008	Day
							Death	BALTIMORE	5628	7/10/2008	None
488	7/3/2008	Day	376	413	Unknown	Not Contracepted	Hatch	BALTIMORE	5629	7/3/2008	Day
							Death	BALTIMORE	5629	7/10/2008	None
489	7/8/2008	Day	376	413	Unknown	Not Contracepted	Hatch	BALTIMORE	5630	7/8/2008	Day
							Death	BALTIMORE	5630	7/10/2008	None
490	7/8/2008	Day	376	413	Unknown	Not Contracepted	Hatch	BALTIMORE	5631	7/8/2008	Day
							Death	BALTIMORE	5631	7/10/2008	None
491	9/22/2008	None	376	413	Male	Not Contracepted	Hatch	BALTIMORE	5645	9/22/2008	None
							Transfer	DALLAS	10K317	5/11/2010	None
492	9/23/2008	None	376	413	Female	Not Contracepted	Hatch	BALTIMORE	5646	9/23/2008	None
							Transfer	SAFARI W	210023	4/22/2010	None
493	9/23/2008	None	376	413	Unknown	Not Contracepted	Hatch	BALTIMORE	5647	9/23/2008	None
							Death	BALTIMORE	5647	10/5/2008	None
494	9/23/2008	None	376	413	Unknown	Not Contracepted	Hatch	BALTIMORE	5648	9/23/2008	None
							Death	BALTIMORE	5648	10/5/2008	None
495	2/19/2006	None	299	456	Male	Not Contracepted	Hatch	HONOLULU	206031	2/19/2006	None
							Transfer	DENVER	A07338	8/2/2007	None
							Transfer	BATONROUG	10579	4/11/2011	None
496	2/19/2006	None	299	456	Male	Not Contracepted	Hatch	HONOLULU	206033	2/19/2006	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	HOUSTON	25301	4/14/2010	None
497	1/19/2007	None	299	456	Male	Not Contracepted	Hatch	HONOLULU	207007	1/19/2007	None
498	1/19/2007	None	299	456	Female	Not Contracepted	Hatch	HONOLULU	207008	1/19/2007	None
							Transfer	TOLEDO	5091	6/27/2007	None
							Transfer	SAN ANTON	N09022	11/5/2009	None
499	1/19/2007	None	299	456	Female	Not Contracepted	Hatch	HONOLULU	207009	1/19/2007	None
							Transfer	DALLAS	07H356	6/28/2007	None
500	3/4/2009	None	394	455	Female	Not Contracepted	Hatch	SANDIEGOZ	309082	3/4/2009	None
							Transfer	CINCINNAT	209079	10/14/2009	None
							Death	CINCINNAT	209079	10/25/2010	None
501	3/4/2009	None	394	455	Male	Not Contracepted	Hatch	SANDIEGOZ	309083	3/4/2009	None
							Transfer	SAFARI W	210003	1/13/2010	None
502	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809037	3/23/2009	None
							Transfer	DETROIT	12748	4/26/2011	None
503	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809038	3/23/2009	None
504	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809039	3/23/2009	None
							Transfer	DISNEY AK	110320	5/10/2011	None
505	3/23/2009	None	393	390	Male	Not Contracepted	Hatch	SD-WAP	809040	3/23/2009	None
							Transfer	OAKLAND	2576	3/9/2010	None
506	3/23/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809120	3/23/2009	None
							Transfer	CHICAGOLP	22489	5/6/2010	None
507	3/23/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809128	3/23/2009	None
							Transfer	CALDWELL	106566	11/11/2009	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
508	7/8/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809186	7/8/2009	None
							Transfer	SAN FRAN	210003	3/4/2010	None
509	7/8/2009	None	393	390	Female	Not Contracepted	Hatch	SD-WAP	809187	7/8/2009	None
							Transfer	LOWRY	206287	3/9/2011	None
510	1/21/2008	None	495	435	Female	Not Contracepted	Hatch	DENVER	A08020	1/21/2008	None
							Transfer	PORTLAND	80245	12/6/2008	None
							Death	PORTLAND	80245	7/19/2011	None
511	1/21/2008	None	495	435	Male	Not Contracepted	Hatch	DENVER	A08021	1/21/2008	None
							Transfer	SAN FRAN	208021	9/3/2008	None
512	1/21/2008	None	495	435	Male	Not Contracepted	Hatch	DENVER	A08012	1/21/2008	None
							Transfer	CINCINNAT	210059	5/5/2010	None
513	1/21/2008	None	495	435	Male	Not Contracepted	Hatch	DENVER	A08013	1/21/2008	None
							Transfer	CHICAGOLP	22485	4/28/2010	None
514	1/21/2008	None	495	435	Male	Not Contracepted	Hatch	DENVER	A08019	1/21/2008	None
							Transfer	OMAHA	20648	3/22/2011	None
							Death	OMAHA	20648	4/14/2011	None
515	4/1/2007	Day	353	354	Female	Not Contracepted	Hatch	DISNEY AK	070133	4/1/2007	Day
							Transfer	NY BRONX	B08027	3/13/2008	None
516	8/15/2007	Day	353	354	Unknown	Not Contracepted	Hatch	DISNEY AK	070453	8/15/2007	Day
							Death	DISNEY AK	070453	9/3/2007	None
517	6/23/2009	None	437	417	Male	Not Contracepted	Hatch	LINCOLN C	1544	6/23/2009	None
							Death	LINCOLN C	1544	2/23/2011	None
518	7/15/2007	Day	407	486	Male	Not Contracepted	Hatch	NZP-WASH	215691	7/15/2007	Day
							Transfer	PITTS CA	7585	5/11/2008	None
519	7/15/2007	Day	407	486	Female	Not Contracepted	Hatch	NZP-WASH	215692	7/15/2007	Day

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Transfer	PITTS CA	7586	5/11/2008	None
520	7/15/2007	Day	407	486	Female	Not Contracepted	Hatch	NZP-WASH	215693	7/15/2007	Day
							Transfer	ATLANTA	A80013	4/24/2008	None
521	3/18/2007	Day	217	439	Female	Not Contracepted	Hatch	FRESNO	270128	3/18/2007	Day
							Transfer	FRANKLINP	A07453	11/8/2007	None
522	3/18/2007	Day	217	439	Female	Not Contracepted	Hatch	FRESNO	270129	3/18/2007	Day
							Transfer	RIO GRAND	B07028	11/1/2007	None
523	3/18/2007	Day	217	439	Male	Not Contracepted	Hatch	FRESNO	270130	3/18/2007	Day
							Death	FRESNO	70130	8/7/2007	None
524	2/8/2007	Day	426	388	Female	Not Contracepted	Hatch	PHILADELP	205542	2/8/2007	Day
							Transfer	WORLDBIRD	M07017	3/6/2007	None
							Transfer	JACKSONVL	609326	3/10/2009	None
525	2/8/2007	Day	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205544	2/8/2007	Day
							Death	PHILADELP	203544	2/15/2007	None
526	2/8/2007	Day	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205545	2/8/2007	Day
							Death	PHILADELP	205545	2/11/2007	None
529	3/18/2008	None	391	389	Unknown	Not Contracepted	Hatch	SD-WAP	808017	3/18/2008	None
							Death	SD-WAP	808017	3/31/2008	None
530	3/18/2010	None	444	522	Unknown	Not Contracepted	Hatch	RIO GRAND	B10010	3/18/2010	None
							Death	RIO GRAND	B10010	3/18/2010	None
531	3/18/2010	None	444	522	Unknown	Not Contracepted	Hatch	RIO GRAND	B10011	3/18/2010	None
							Death	RIO GRAND	B10011	3/18/2010	None
532	3/18/2010	None	444	522	Unknown	Not Contracepted	Hatch	RIO GRAND	B10015	3/18/2010	None
							Death	RIO GRAND	B10015	3/18/2010	None
533	9/2/2010	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205788	9/2/2010	None
							Death	PHILADELP	205788	9/2/2010	None
534	9/2/2010	None	426	388	Unknown	Not Contracepted	Hatch	PHILADELP	205789	9/2/2010	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
							Death	PHILADELPHIA	205789	9/2/2010	None
535	3/8/1995	None	89	303	Female	Not Contracepted	Hatch	DALLAS	959871	3/8/1995	None
							Transfer	CL SPR AV		6/17/1996	None
							Go LTF	CL SPR AV		6/17/1996	None
536	3/8/1995	None	89	303	Male	Not Contracepted	Hatch	DALLAS	959872	3/8/1995	None
							Transfer	CL SPR AV		6/17/1996	None
							Go LTF	CL SPR AV		6/17/1996	None
537	10/1/2010	None	491	499	Unknown	Not Contracepted	Hatch	DALLAS	10K618	10/1/2010	None
							Death	DALLAS	10K618	10/1/2010	None
538	9/24/2010	None	491	499	Male	Not Contracepted	Hatch	DALLAS	10K623	9/24/2010	None
							Transfer	TORONTO	45427	10/13/2011	None
539	9/29/2010	None	491	499	Female	Not Contracepted	Hatch	DALLAS	10K636	9/29/2010	None
							Transfer	FORTWORTH	206957	7/6/2011	None
							Death	FORTWORTH	206957	8/25/2011	None
540	1/1/1962	+/- 1 Month	WILD	WILD	Unknown	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1963	+/- 1 Month
							Transfer	SANDIEGOZ	320978	5/14/1964	None
							Death	SANDIEGOZ	320978	3/9/1967	None
541	1/1/1962	+/- 1 Month	WILD	WILD	Female	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1963	+/- 1 Month
							Transfer	SANDIEGOZ	320979	5/14/1964	+/- 1 Month
							Death	SANDIEGOZ	320979	5/14/1964	None
542	1/1/1962	+/- 1 Month	WILD	WILD	Unknown	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1963	+/- 1 Month
							Transfer	SANDIEGOZ	320980	5/28/1964	None
							Death	SANDIEGOZ	320980	5/28/1964	None
543	1/1/1962	+/- 1 Month	WILD	WILD	Male	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1963	+/- 1 Month
							Transfer	SANDIEGOZ	320981	5/28/1964	+/- 1 Month
							Death	SANDIEGOZ	320981	6/7/1964	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
544	1/1/1966	+/- 1 Month	WILD	WILD	Male	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1967	+/- 1 Month
							Transfer	SANDIEGOZ	320982	7/28/1968	+/- 1 Month
							Death	SANDIEGOZ	320982	8/20/1968	None
545	1/1/1966	+/- 1 Month	WILD	WILD	Male	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1967	+/- 1 Month
							Transfer	SANDIEGOZ	320983	7/27/1968	+/- 1 Month
							Death	SANDIEGOZ	320983	8/22/1968	None
546	1/1/1966	+/- 1 Month	WILD	WILD	Male	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1967	+/- 1 Month
							Transfer	SANDIEGOZ	320984	7/27/1968	+/- 1 Month
							Death	SANDIEGOZ	320984	8/23/1968	None
547	1/1/1966	+/- 1 Month	WILD	WILD	Unknown	Not Contracepted	Wild Capture	CAMEROON	NONE	1/1/1967	+/- 1 Month
							Transfer	SANDIEGOZ	320985	7/27/1968	+/- 1 Month
							Death	SANDIEGOZ	320985	12/6/1968	None
548	7/21/2011	None	476	402	Unknown	Not Contracepted	Hatch	GARDENCTY	211020	7/21/2011	None
							Death	GARDENCTY	211020	7/28/2011	None
549	7/21/2011	None	476	402	Unknown	Not Contracepted	Hatch	GARDENCTY	211021	7/21/2011	None
							Death	GARDENCTY	211021	8/2/2011	Day
550	8/1/2011	Day	476	402	Unknown	Not Contracepted	Hatch	GARDENCTY	211022	8/1/2011	Day
							Death	GARDENCTY	211022	8/2/2011	Day
551	8/15/2011	Day	376	413	Female	Not Contracepted	Hatch	MARYLAND	6160	8/15/2011	Day
							Transfer	OAKLAND	2965	6/4/2012	None
552	8/15/2011	Day	376	413	Female	Not Contracepted	Hatch	MARYLAND	6161	8/15/2011	Day
553	8/24/2011	None	496	410	Unknown	Not Contracepted	Hatch	HOUSTON	26623	8/24/2011	None
							Death	HOUSTON	26623	9/3/2011	None
554	12/9/2011	None	427	435	Female	Not Contracepted	Hatch	DENVER	A11321	12/9/2011	None
							Transfer	FORTWORTH	207512	6/7/2012	None
555	12/7/2011	None	427	435	Female	Not Contracepted	Hatch	DENVER	A11322	12/7/2011	None
							Transfer	DISNEY AK	120486	6/21/2012	None

Studbook ID	Hatch Date	Hatch Date Est.	Sire	Dam	Sex	Reproductive	Event	Location	Local ID	Date	Date Est.
556	12/9/2011	None	427	435	Male	Not Contracepted	Hatch	DENVER	A11338	12/9/2011	None
							Transfer	CALDWELL	107062	6/13/2012	None
557	4/1/2012	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	812059	4/1/2012	None
558	4/4/2012	None	391	389	Unknown	Not Contracepted	Hatch	SD-WAP	812096	4/4/2012	None
							Death	SD-WAP	812096	4/25/2012	None
559	4/6/2012	None	391	389	Female	Not Contracepted	Hatch	SD-WAP	812092	4/6/2012	None
560	4/8/2012	None	427	435	Male	Not Contracepted	Hatch	DENVER	A12071	4/8/2012	None
561	5/14/2012	None	391	389	Male	Not Contracepted	Hatch	SD-WAP	812069	5/14/2012	None
562	8/11/2011	None	491	499	Female	Not Contracepted	Hatch	DALLAS	11L336	8/11/2011	None
563	8/11/2011	None	491	499	Male	Not Contracepted	Hatch	DALLAS	11L335	8/11/2011	None
							Transfer	SAN BARMU	700606	5/17/2012	None
564	8/17/2011	None	491	499	Unknown	Not Contracepted	Hatch	DALLAS	11L355	8/17/2011	None
							Death	DALLAS	11L355	8/22/2011	None
TOTALS: 192.204.163 (559)											

LIST OF INSTITUTIONS

Current Institutions

Mnemonic	Name	Address	City	State	Country	Mail Code
ATLANTA	Zoo Atlanta	800 Cherokee Ave. SE	Atlanta	GA	USA	30315-1440
BALTIMORE	Maryland Zoo in Baltimore	1876 Mansion House Drive	Baltimore	MD	USA	21217
BATONROUG	BREC's Baton Rouge Zoo	P.O. Box 60	Baker	LA	USA	70704-0060
BUSCH TAM	Busch Gardens Tampa Bay	3605 Bougainvillea Ave.	Tampa	FL	USA	33612
CALDWELL	Caldwell Zoo	PO Box 4785	Tyler	TX	USA	75712-4785
CALGARY	Calgary Zoo, Garden & Prehistoric Park	1300 Zoo Road NE	Calgary	Alberta	Canada	T2E 7V6
CAMDEN						
CHICAGOLP	Lincoln Park Zoological Gardens	PO Box 14903	Chicago	IL	USA	60614-0903
CINCINNAT	Cincinnati Zoo & Botanical Garden	3400 Vine St.	Cincinnati	OH	USA	45220-1390
DALLAS	Dallas Zoo	650 South R.L. Thornton Freeway	Dallas	TX	USA	75203-3010
DENVER	Denver Zoological Gardens	City Park	Denver	CO	USA	80205
DETROIT	Detroit Zoological Society	8450 W 10 Mile Rd.	Royal Oak	MI	USA	48067-3000
DISNEY AK	Disney's Animal Kingdom	1200 N. Savannah Circle E.	Bay Lake	FL	USA	32830-1000
DUISBURG	Zoo Duisburg AG	Mâ•¸heimerstrasse 273	Duisburg	N Rhine-Westph	Germany	D-47057
FORTWORTH	Fort Worth Zoological Park	1989 Colonial Pkwy.	Ft Worth	TX	USA	76110-6640
FRANKLINP	Zoo New England, Franklin Park Zoo	1 Franklin Park Rd.	Boston	MA	USA	02121
FRESNO	Fresno Chaffee Zoo	894 W Belmont Ave.	Fresno	CA	USA	93728-2890
GARDENCTY	Lee Richardson Zoo	312 Finnup Drive	Garden City	KS	USA	67846-0400
HONOLULU	Honolulu Zoo	151 Kapahulu Ave.	Honolulu	HI	USA	96815-7170
HOUSTON	Houston Zoo, Inc.	1513 Cambridge St.	Houston	TX	USA	77030-1600
JACKSONVL	Jacksonville Zoo and Gardens	370 Zoo Parkway	Jacksonville	FL	USA	32218-5760
LINCOLN C	Lincoln Children's Zoo (former Folsom)	1222 S. 27th St.	Lincoln	NE	USA	68502
LOWRY	Tampa's Lowry Park Zoo	1101 W Sligh Ave	Tampa	FL	USA	33604-5950
MARYLAND	MARYLAND			North America	USA	
MONTGOMRY	Montgomery Zoo	P.O. Box 3313	Montgomery	AL	USA	36110-0313
NY BRONX	Bronx Zoo/Wildlife Conservat'n Society	2300 Southern Blvd.	Bronx	NY	USA	10460-1090
NZP-WASH	Smithsonian National Zoological Park	3001 Connecticut Avenue NW	Washington	DC	USA	20008-2550
OAKLAND	Oakland Zoo	P.O. Box 5238	Oakland	CA	USA	94605

Mnemonic	Name	Address	City	State	Country	Mail Code
OMAHA	Omaha's Henry Doorly Zoo	3701 South 10th St.	Omaha	NE	USA	68107-2200
ORLANDO	Sea World Orlando	7007 Sea World Dr.	Orlando	FL	USA	32821-8090
PHILADELP	The Philadelphia Zoo	3400 W Girard Ave.	Philadelphia	PA	USA	19104
PITTS CA	National Aviary in Pittsburgh	Allegheny Commons West	Pittsburgh	PA	USA	15212
PORTLAND	Oregon Zoo	4001 SW Canyon Rd.	Portland	OR	USA	97221-2790
RIO GRAND	Albuquerque Biological Park	903 Tenth St. SW	Albuquerque	NM	USA	87102-4090
SAFARI W	Safari West	3115 Porter Creek Rd.	Santa Rosa	CA	USA	95404
SAN ANTON	San Antonio Zoological Gardens & Aquarium	3903 N. St. Mary's Street	San Antonio	TX	USA	78212-3190
SAN BARMU	Santa Barbara Museum of Natural History	2559 Pustra Del Sol	Santa Barbara	CA	USA	93105
SAN FRAN	San Francisco Zoological Gardens	1 Zoo Rd.	San Francisco	CA	USA	94132-1090
SANDIEGOZ	San Diego Zoo	PO Box 120551	San Diego	CA	USA	92112-0551
SD-WAP	San Diego Zoo's Safari Park	15500 San Pasqual Valley Rd	Escondido	CA	USA	92027
TOPEKA	Topeka Zoological Park	635 SW Gage Blvd.	Topeka	KS	USA	66606-2060
TORONTO	Toronto Zoo	361A Old Finch Ave.	Scarborough	Ontario	Canada	M1B 5K7

Historical Institutions

Mnemonic	Name	Address	City	State	Country	Mail Code
AFRICAN	AFRICAN REGION					
AUDUBON	Audubon Zoo	6500 Magazine St.	New Orleans	LA	USA	70178-4300
Baltimore						
BARTH R	Rod Barth	17645 Camino Martinez	Perris	CA	USA	92370
BELLBIRD	Bellbird		Laguna Hills	CA	USA	
BOX B	Bradley Box	P. O. Box 4311	San Clemente	CA	USA	92672
CAMEROOM						
CAMEROON	CAMEROON		CENTRAL AFRICA	African Region		
CHASE B	Charles (Bill) P. Chase Co. Inc.	7330 NW 66th St	Miami	FL	USA	33166
CHEHAW	Chehaw Wild Animal Park	105 Chehaw Park Rd.	Albany	GA	USA	31701
CHICAGOBR	Chicago Zoological Society	3300 Golf Rd.	Brookfield	IL	USA	60513
CL SPR AV	Clear Springs Aviaries & Gdns (extinct)	Steve Collins	New Braunfels	TX	USA	78132
CLEVE R						
CLEVELAND	Cleveland Metroparks Zoo	3900 Wildlife Way	Cleveland	OH	USA	44109

Mnemonic	Name	Address	City	State	Country	Mail Code
COLUMBIA	Riverbanks Zoo and Garden	500 Wildlife Parkway	Columbia	SC	USA	29202-10
COLUMBUS	Columbus Zoo and Aquarium	PO Box 400	Powell	OH	USA	43065-04
CROFT L	Sandia Creek Aviaries (Laurel Croft)	26841 Frens Road	Temecula	CA	USA	92590
CYPRESS	Florida Cypress Gardens Inc.	Box 1	Winter Haven	FL	USA	33884
Dallas						
Denver						
Disney						
E.AFRICA	EAST AFRICA		AFRICAN REGION			
E.KENYA						
FOUTS J	Tanganyika Wildlife Co (animal supply)	1037 S 183rd St West	Goddard	KS	USA	67052
FRANKFURT	Zoologischer Garten Frankfurt	Bernhard-Grzimek-Allee 1	Frankfurt am Main	Hesse	Germany	D-60316
GRND PRAI	Wildlife Management Services (1976-90)	601 Wildlife Pky.	Grand Prairie	TX	USA	75050
GULF BREZ	The ZOO, Northwest Florida	5701 Gulf Breeze Pkwy.	Gulf Breeze	FL	USA	32563
Honolulu						
JURONG	Jurong Birdpark, Singapore	2, Jurong Hill	Singapore		Singapore	628925
KANSASCTY	Kansas City Zoo	6800 Zoo Drive	Kansas City	MO	USA	64132-17
KENYA	KENYA		EAST AFRICA	African Region		
L RUHE	Louis Ruhe GmbH (1860-1995)	Gerdag Strasse 8	3220 Alfeld/Leine	Lower Saxony	Germany	
LAKEBUENA	Discovery Island Zool Park (extinct)	1200 N. Savannah Circle E.	Bay Lake	FL	USA	32830-10
LAX AIR						
LEWIS D	Int'l Zoological Imports (Dean Lewis)	Hamlet Route Box 961	Seaside	OR	USA	97138
LISBON	Jardim Zoologico / Lisbon Zoo	Estrada de Benfica, 158-160	Lisboa		Portugal	1549-004
LITTLEROC	Little Rock Zoological Gardens	One Jonesboro Dr	Little Rock	AR	USA	72205
LOSANGELE	Los Angeles Zoo & Botanical Gardens	5333 Zoo Dr.	Los Angeles	CA	USA	90027
M.DAVIS						
MAMI RARE	Miami Rare Bird Farm (Alton Freeman)	Box 100	Miami	FL	USA	
MARTIN P	Martin's Aviaries (Phyllis Martin)	10101 - A Tucker Jones Rd.	Riverview	FL	USA	33569
MILWAUKEE	Milwaukee County Zoological Gardens	10001 W Bluemound Rd	Milwaukee	WI	USA	53226-43

Mnemonic	Name	Address	City	State	Country	Mail Code
NAKURU	David and Betty Roberts Wildlife Ltd		Nakuru	Western Kenya	Kenya	
NORTHLAND	Northland Wildlife	2601 E Highway 169	Grand Rapids	MN	USA	55744
Not Reported						
PANAWEA	Pana'ewa Rainforest Zoo & Gardens	101 Pauahi Street, Suite 6	Hilo	HI	USA	96720-42
PANAMACT	ZooWorld Zoological Botanical Conserv.	9008 Front Beach Rd.	Panama City Beach	FL	USA	32407
QUEBEC	Jardin Zoologique du Quebec (extinct)	SPSNQ	Charlesbourg	Quebec	Canada	G1G 5H9
ROCKTON	African Lion Safari & Game Farm Ltd	R.R. 1	Cambridge	Ontario	Canada	N1R 5S2
SAN DIEGO WILD ANIMAL PARK						
SANTA ANA	Santa Ana Zoo	1801 E Chestnut Ave.	Santa Ana	CA	USA	92701-50
SCHROEDER	Cuttlebone Plus (Dick Schroeder)	810 N. Twin Oaks Valley Rd.	San Marcos	CA	USA	92069
SCOTTSBLU	Riverside Zoo	1600 S Beltline Hwy West	Scottsbluff	NE	USA	69361
SEAWLD TX	Sea World San Antonio	10500 Sea World Dr.	San Antonio	TX	USA	78251-30
SHEFFLER						
SOEST	Franciscus van den Brink	B.V., Lutteresweg 14a	Lutten	Utrecht	The Netherlands	7775 PP
SOUTHWICK	Southwick's Zoo	2 Southwick St.	Mendon	MA	USA	01756
ST LOUIS	Saint Louis Zoological Park	1 Government Dr.	St. Louis	MO	USA	63110-13
TANZANIA	TANZANIA		EAST AFRICA	African Region		
THOMPSOND	Dale Thompson	29156 Sand Canyon Rd.	Canyon Country	CA	USA	91351-17
TOLEDO	Toledo Zoological Gardens	PO Box 140130	Toledo	OH	USA	43614-08
TRACY AV	Tracy Aviary	589 East 1300 South	Salt Lake City	UT	USA	84105
TROPISCHE						
TUCSON	Reid Park Zoo	1100 S Randolph Way	Tucson	AZ	USA	85716
UMGENI PK	Umgeni River Bird Park	PO Box 35205	Northway		South Africa	4065
UNKNOWN	Unknown Location					
WHEELER	Wheeler National Wildlife Refuge		Decatur	AL	USA	
WORLDBIRD	Natural Encounters, Inc.	(Steve Martin Natural Encounters)	Winter Haven	FL	USA	33884
WORLDWIDE	Worldwide Primates (Matt Block)	PO Box 971279	Miami	FL	USA	33197-12

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