

Data Table 14.4

# Endangered Species Management Programs, 1996

Sources: World Conservation Union, International Species Information System, and other multiple sources

Species, Common Name	Species, Scientific Name (a)	Distribution (b)	IUCN Status (c)	Species Management Programs (d)	Estimated Wild Population	Zoo Census (1996)			
						Number of Zoos of Species	Number of Captive Animals	Number of Captive Births	Crude Rate of Change (e)
<b>AMPHIBIANS</b>									
Salamander, Japanese Giant	<i>Andrias japonicus</i>	Japan	VU	J	X	5	7	0	0.90
Toad, Puerto Rican Crested	<i>Peltophryne lemur</i>	Puerto Rico, British Virgin Islands	VU	S	<300	17	126	0	1.24
<b>REPTILES</b>									
Alligator, Chinese	<i>Alligator sinensis</i>	China	CR	S, UK	800-1,000	20	181	22	1.09
Boa, Dumeril's Ground	<i>Acrantophis dumerili</i>	Madagascar	VU	S	X	43	188	13	0.99
Boa, Madagascar Tree	<i>Sanzinia madagascariensis</i>	Madagascar	VU	UK	X	32	193	21	1.13
Boa, Madagascar	<i>Acrantophis madagascariensis</i>	Madagascar	VU	A	X	10	57	7	1.09
Boa, Mona Island	<i>Epicrates monensis monensis</i>	Puerto Rico	EN	S	X	1	11	3	0.58
Boa, Virgin Islands	<i>Epicrates monensis granti</i>	Puerto Rico, Virgin Islands	EN	S	X	13	56	0	0.86
Crocodile, Cuban	<i>Crocodylus rhombifer</i>	Cuba	EN	S	3,000-6,000	15	52	0	1.00
Crocodile, W. African Dwarf	<i>Osteolaemus tetraspis</i>	Central and West Africa	VU	A, UK	X	45	141	2	1.03
Gecko, Standing's Day	<i>Phelsuma standingi</i>	Madagascar	VU	UK	X	37	315	68	1.21
Gila Monster	<i>Heloderma suspectum (f)</i>	Mexico, Puerto Rico	VU	E, UK	X	81	318	3	1.00
Iguana, Cayman Is. Ground	<i>Cyclura nubila lewisi</i>	Cayman Islands	CR	S	X	5	22	12	1.04
Iguana, Fiji Banded	<i>Brachylophus fasciatus</i>	Fiji, Tonga, Vanuatu [int.]	EN	Au	>10,000	13	46	0	1.02
Iguana, Jamaican	<i>Cyclura collei</i>	Jamaica	CR	S	X	6	104	0	1.27
Iguana, Rhinoceros	<i>Cyclura cornuta (f)</i>	Dominican Rep., Haiti, Puerto Rico	VU	UK	X	37	147	22	1.00
Lizard, Beaded	<i>Heloderma horridum (f)</i>	Guatemala, Mexico	VU	E, UK	X	40	167	29	1.09
Lizard, Giant Girdled	<i>Cordylus giganteus</i>	South Africa	VU	A	>150,000	16	55	6	1.02
Lizard, Striped Legless	<i>Delma impar</i>	Australia	VU	Au	X	2	51	0	2.29
Skink, Chevron	<i>Oligosoma homolanotum</i>	New Zealand	VU	Au	X	1	3	0	X
Skink, Robust	<i>Cyclodina alani</i>	New Zealand	VU	Au	<20,000	1	7	0	1.00
Tortoise, African Pancake	<i>Malacochersus tornieri</i>	Kenya, Tanzania	VU	UK	>20,000	47	228	11	1.05
Tortoise, Aldabra Giant	<i>Geochelone gigantea</i>	Seychelles	VU	Au	155,000	85	278	0	X
Tortoise, Geometric	<i>Psammobates geometricus</i>	South Africa	EN	A	2,000-4,000	1	10	0	1.03
Tortoise, Radiated	<i>Geochelone radiata</i>	Madagascar, Mauritius, Reunion	VU	A, S	2-2.5 million	54	412	25	1.00
Turtle, Western Swamp	<i>Pseudemidura umbrina</i>	Australia	CR	Au	55	1	135	38	1.24
<b>BIRDS</b>									
Amazon, Green-cheeked	<i>Amazona viridigenalis</i>	Mexico, Puerto Rico [int.], U.S. [int.]	EN	E, UK	3,000-6,500	37	118	3	0.99
Amazon, Red-browed	<i>Amazona rhodocorytha</i>	Brazil	EN	E	X	7	35	2	1.11
Amazon, Red-tailed	<i>Amazona brasiliensis</i>	Brazil	EN	E	3,500-4,500	4	18	0	1.02
Amazon, St. Vincent	<i>Amazona guildingii</i>	St. Vincent	VU	S	700-800	4	14	0	0.98
Cassowary, Southern	<i>Casuarus casuarus</i>	Australia, Indonesia, PNG	VU	UK	1,500-3,000	52	125	12	1.04
Cockatoo, Philippine	<i>Cacatua haematuropygia</i>	Philippines	CR	E	1,000-4,000	6	24	0	1.14
Cockatoo, Salmon-crested	<i>Cacatua moluccensis</i>	Indonesia, Singapore [int.]	EN	E, J	X	100	330	14	1.01
Cockatoo, Yellow-crested	<i>Cacatua sulphurea citrinocristata (g)</i>	Hong Kong [int.], Indonesia, Singapore	VU	E	2,376	28	62	3	1.06
Condor, California	<i>Gymnogyps californianus</i>	United States [re-int.]	CR	S	27	2	104	17	1.08
Crane, Red-crowned	<i>Grus japonensis</i>	East Asia, Mongolia	VU	E, J, S, UK	1,700	49	152	12	1.01
Crane, Wattled	<i>Grus carunculatus</i>	Africa	VU	J, S, UK	13,000-15,000	37	109	8	1.00
Crane, White-napped	<i>Grus vipio</i>	East Asia, Mongolia	VU	E, J, S, UK	4,500	59	197	29	1.02
Crowned-pigeon, Southern	<i>Goura scheepmakeri</i>	Indonesia, Papua New Guinea	VU	E, S	X	11	25	6	1.04
Crowned-pigeon, Victoria	<i>Goura victoria</i>	Indonesia, Papua New Guinea	VU	E, S	X	51	127	15	1.06
Crowned-pigeon, Western	<i>Goura cristata</i>	Indonesia	VU	E, S	X	37	84	15	0.94
Duck, Freckled	<i>Stictonetta naevosa</i>	Australia	VU	Au	X	5	81	0	1.06
Eagle, Stellar's Sea	<i>Haliaeetus pelagicus</i>	Japan, North and South Korea, Russia	VU	J	6,000-7,000	5	20	0	1.01
Griffon, Cape	<i>Gyps coprotheres</i>	Southern Africa	VU	A	X	5	36	2	1.05
Honeyeater, Regent	<i>Xanthomyza phrygia</i>	Australia	EN	Au	<1,000	1	14	7	0.40
Ibis, Northern Bald	<i>Geronticus eremita</i>	North Africa and Middle East	VU	E, J	X	55	708	94	1.04
Ibis, Southern Bald	<i>Geronticus calvus</i>	Lesotho, South Africa, Swaziland	VU	A	10,000	5	47	4	1.34
Kiwi, Brown	<i>Apteryx australis mantelli (g)</i>	New Zealand	VU	Au	X	11	50	14	1.01
Macaw, Blue-throated	<i>Ara glaucogularis</i>	Argentina (?), Bolivia, Paraguay (?)	EN	E	<1,000	9	36	4	1.11
Macaw, Hyacinthine	<i>Anodorhynchus hyacinthinus</i>	Bolivia, Brazil, Paraguay	VU	E, UK	3,000	86	320	11	1.05
Macaw, Red-fronted	<i>Ara rubrogenys</i>	Bolivia	EN	E, UK	1,000	38	154	12	0.97
Malleefowl	<i>Leipoa ocellata</i>	Australia	VU	Au	>4,000 (?)	5	66	29	1.18
Owl, Blackiston's Fish	<i>Ketupa blakistoni</i>	China, Japan, Russia	EN	J	680-900	1	1	0	X
Parakeet, Antipodes	<i>Cyanoramphus unicolor</i>	New Zealand	VU	Au	2,000-3,000	5	12	2	0.82
Parakeet, Blue-throated	<i>Pyrrhura cruentata</i>	Brazil	VU	UK	X	6	52	4	1.11
Parakeet, Golden	<i>Aratinga quarouba</i>	Brazil	EN	E	X	31	166	17	1.01
Parrot, Orange-bellied	<i>Neophema chrysogaster</i>	Australia	EN	Au	150	1	24	7	2.11
Parrot, Thick-billed	<i>Rhynchopsitta pachyrhyncha</i>	Mexico, United States [re-int.]	EN	S, UK	X	26	108	8	1.08
Peafowl, Congo	<i>Afropavo congensis</i>	Democratic Republic of Congo	VU	E, S	X	18	96	41	0.99
Pelican, Dalmatian	<i>Pelecanus crispus</i>	Asia, Middle East, Southeast Europe	VU	E	6,400-8,600	18	100	16	1.01
Pheasant, Edwards	<i>Lophura edwardsi</i>	Vietnam	CR	E	Extinct (?)	31	146	38	1.22
Pigeon, Mauritius Pink	<i>Columba mayeri</i>	Mauritius	CR	E, S	77	32	233	51	1.14
Rail, Guam	<i>Rallus owstoni</i>	Guam	EW	S	0	13	53	7	0.91
Starling, Bali (Bali Mynah)	<i>Leucopsar rothschildi</i>	Indonesia	CR	E, J, S, UK	30-35	106	572	155	1.03
Stork, Oriental	<i>Ciconia boyciana</i>	Japan, Northeast Asia	EN	J	2,500	8	52	13	1.09
Teal, Brown	<i>Anas aucklandica (f)</i>	New Zealand	VU	Au	X	7	61	8	1.00
<b>MAMMALS</b>									
Addax	<i>Addax nasomaculatus</i>	North Africa and the Sahel	EN	Au, E, S, UK	<250	62	514	93	1.02
Anoa, Lowland	<i>Bubalus depressicornis</i>	Indonesia	EN	E	<4,000	24	76	11	1.05
Anteater, Giant	<i>Myrmecophaga tridactyla (f)</i>	Central and South America	VU	E	X	29	64	12	0.59
Ass, Asiatic Wild	<i>Equus hemionus (f)</i>	Central and Western Asia	VU	E	X	37	194	14	0.97
Ass, Somali Wild	<i>Equus africanus somaliensis (g)</i>	Ethiopia, Somalia	CR	E	100-250	8	29	2	0.96
Babirusa	<i>Babirusa babirusa (f)</i>	Indonesia	VU	E, S	<8,500	37	135	24	1.05
Bandicoot, Eastern Barred	<i>Perameles gunnii</i>	Australia	VU	Au	X	7	60	39	1.16
Banteng	<i>Bos javanicus (f)</i>	Southeast Asia	EN	E	X	28	313	28	1.04
Bear, Sloth	<i>Melursus ursinus (f)</i>	Bangladesh, India, Nepal, Sri Lanka	VU	E, S	5,000-15,000	23	59	6	1.08
Bear, Spectacled	<i>Tremarctos ornatus</i>	South America	VU	E, S	>20,000	55	133	9	0.90
Bilby, Greater	<i>Macrotis lagotis sagitta (g)</i>	Australia	VU	Au	X	1	3	0	1.44
Bison, European	<i>Bison bonasus (f)</i>	Eastern Europe [re-int.], Russia [re-int.]	EN	E	1,870	40	249	40	0.80
Cheetah	<i>Acinonyx jubatus (f)</i>	Africa	VU	A, Au, E, J, S,	9,000-12,000	117	666	70	0.82
Chimpanzee	<i>Pan troglodytes (f)</i>	Africa	EN	J, S, UK	105,000	146	2,697	76	1.01
Chimpanzee, Pygmy (Bonobo)	<i>Pan paniscus</i>	Democratic Republic of Congo	EN	E, S	10,000-20,000	17	98	5	1.04

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Chuditch	<i>Dasyurus geoffroii</i>	Australia	VU	Au	2,500-4,400	2	65	49	1.24
Deer, Swamp	<i>Cervus duvauceli</i> (f)	India, Nepal	VU	S	>5,000	23	222	46	0.98
Dog, African Wild	<i>Lycaon pictus</i> (f)	Africa	EN	A, E, S	3,000-5,000	43	241	60	1.03
Dog, Bush	<i>Speothos venaticus</i>	Panama, South America	VU	B, E	X	24	84	19	1.05
Drill	<i>Mandrillus leucophaeus</i> (f)	Cameroon, Equatorial Guinea, Nigeria	EN	E, J, S	<10,000	8	46	5	1.02
Elephant, African	<i>Loxodonta africana</i> (f)	Africa	EN	E, S	581,175	101	282	1	0.81
Elephant, Asian	<i>Elephas maximus</i> (f)	South and Southeast Asia	EN	E, J, S	38,000-51,000	131	460	14	0.90
Ferret, Black-footed	<i>Mustela nigripes</i>	United States	EW	S	60	14	198	161	X
Fossa	<i>Cryptoprocta ferox</i>	Madagascar	VU	E	X	7	29	2	1.03
Fox, Rodrigues Flying	<i>Pteropus rodricensis</i>	Mauritius (Rodrigues)	CR	S	350	17	557	156	1.16
Gazelle, Dama	<i>Gazella dama</i>	North Africa and the Sahel	EN	E	X	15	62	5	0.84
Gibbon, Black	<i>Hylobates concolor</i> (f)	Cambodia, China, Vietnam	EN	E, J	10,000	46	183	16	1.04
Gibbon, Pileated	<i>Hylobates pileatus</i>	Cambodia, Laos, Thailand	VU	E	30,000	15	55	1	1.01
Gibbon, Silvery	<i>Hylobates moloch</i> (f)	Indonesia	CR	E	1,000	18	67	5	1.02
Gorilla, Western Lowland	<i>Gorilla gorilla gorilla</i>	West Central Africa	EN	E, S	>110,000	95	643	38	X
Hippopotamus, Pygmy	<i>Hexaprotodon liberiensis</i> (f)	West Africa	VU	E, S, UK	X	61	164	11	0.98
Horse, Przewalski Wild	<i>Equus przewalskii</i>	China, Mongolia	EW	Au, E, S	X	69	548	35	0.98
Kowari	<i>Dasyercus byrnei</i>	Australia	VU	E	X	26	136	24	1.15
Lechwe, Kafue	<i>Kobus leche kafuensis</i>	Zambia	VU	UK	X	13	133	24	0.95
Lemur, Black	<i>Eulemur macaco macaco</i>	Madagascar	VU	E, J, S, UK	X	42	171	14	0.95
Lemur, Mongoose	<i>Eulemur mongoz</i> (f)	Comoros, Madagascar	VU	E, S	X	23	173	28	1.03
Lemur, Ring-tailed	<i>Lemur catta</i>	Madagascar	VU	S	X	167	1,087	128	1.00
Lemur, Ruffed	<i>Varecia variegata</i> (f)	Madagascar	EN	Au, E, J, S	X	158	895	135	1.05
Leopard, Amur	<i>Panthera pardus orientalis</i>	China, North and South Korea, Russia	CR	E	28-31	44	144	16	1.03
Leopard, Clouded	<i>Neofelis nebulosa</i> (f)	China, South and Southeast Asia	VU	E, S	X	57	185	11	1.02
Leopard, North Persian	<i>Panthera pardus saxicolor</i>	Afghanistan, Iran, Turkmenistan	EN	E	X	60	142	14	1.01
Leopard, Snow	<i>Uncia uncia</i>	Himalayan region	EN	E, J, S	4,500-7,350	142	467	36	1.00
Lion, African	<i>Panthera leo</i> (e)	Africa	VU	S	30,000-100,000	192	825	97	1.04
Lion, Asiatic	<i>Panthera leo persica</i>	India	EN	E	300	29	73	7	0.99
Loris, Pygmy	<i>Nycticebus pygmaeus</i>	Cambodia (?), China, Laos, Vietnam	VU	E, S, UK	300-500	28	160	27	1.08
Macaque, Celebes Black	<i>Macaca nigra</i> (f)	Indonesia	EN	UK	X	35	247	22	1.01
Macaque, Lion-tailed	<i>Macaca silenus</i>	India	EN	E, J, S, UK	3,600-5,000	53	356	21	1.02
Mala	<i>Lagorcheses h. hirsutus</i> (g)	Australia	CR	Au	0	1	10	1	1.06
Marmoset, Geoffroy's Tufted-ear	<i>Callithrix geoffroyi</i>	Brazil	VU	E, UK	X	35	223	78	1.08
Marmoset, Goeldi's	<i>Callimico goeldii</i>	Bolivia, Brazil, Colombia, Peru	VU	E, S	X	64	309	28	0.97
Mink, European	<i>Mustela lutreola</i> (f)	Europe	EN	E	X	7	40	15	1.03
Monkey, Colombian Spider	<i>Ateles fusciceps robustus</i>	Colombia, Panama	VU	E	X	31	145	14	1.03
Monkey, Diana	<i>Cercopithecus diana</i> (f)	West Africa	VU	E, UK	X	47	144	12	0.97
Monkey, Douc	<i>Pygathrix nemaeus</i> (f)	Cambodia, China, Laos, Vietnam	EN	E	X	7	42	3	0.72
Numbat	<i>Myrmecobius fasciatus</i>	Australia	VU	Au	<2,000	1	21	0	1.56
Orangutan	<i>Pongo pygmaeus</i> (f)	Brunei, Indonesia, Malaysia	VU	Au, E, J, S, UK	21,500-29,771	118	616	27	0.99
Oryx, Arabian	<i>Oryx leucorhinus</i>	Middle East	EN	E, S	X	61	625	54	1.00
Oryx, Scimitar-horned	<i>Oryx dammah</i>	Israel (int.), North Africa	CR	Au, E, S	X	80	897	165	0.81
Panda, Giant	<i>Ailuropoda melanoleuca</i>	China	EN	S	1,100	5	9	0	0.84
Panda, Lesser (Red)	<i>Ailuurus fulgens</i> (f)	China, Laos, Myanmar, South Asia	EN	Au, E, J, S, UK	X	112	350	64	1.02
Peccary, Chacoan	<i>Catagonus wagneri</i>	Argentina, Bolivia, Paraguay	EN	S	X	1	11	10	1.82
Pudu, Southern	<i>Pudu pudu</i>	Argentina, Chile	VU	E	X	31	151	42	1.09
Rat, Greater Stick-nest	<i>Leporillus conditor</i>	Australia	EN	Au	<2,500	4	19	8	0.82
Rhinoceros, Black	<i>Diceros bicornis</i> (f)	Africa	CR	Au, E, J, S, UK	2,400	57	170	5	1.07
Rhinoceros, Great Indian	<i>Rhinoceros unicornis</i>	Bhutan, India, Nepal	EN	E, J, S, UK	2,000	27	66	3	1.00
Rhinoceros, Sumatran	<i>Dicerorhinus sumatrensis</i> (f)	Southeast Asia	CR	S	250-400	2	4	0	0.88
Sika, Tonkin	<i>Cervus nippon pseudaxis</i>	Vietnam	CR	E	X	14	140	39	1.08
Tamarin, Cotton-top	<i>Saguinus oedipus</i> (f)	Colombia	EN	Au, E, J, S	2,000-3,000	138	705	152	1.00
Tamarin, Golden Lion	<i>Leontopithecus r. rosalia</i>	Brazil	CR	Au, E, S	<650	98	338	69	0.99
Tamarin, Golden-headed Lion	<i>Leontopithecus chrysomelas</i>	Brazil	EN	E	6,000-15,500	55	285	42	1.03
Tapir, Malayan	<i>Tapirus indicus</i>	Southeast Asia	VU	E, J	<1,500	50	126	8	1.02
Tiger, Amur	<i>Panthera tigris altaica</i>	China [ex?], North Korea [ex?], Russia	CR	E, J, S	330-371	120	348	47	1.00
Tiger, Sumatran	<i>Panthera tigris sumatrae</i>	Indonesia	CR	Au, E, J, S, UK	400-500	56	133	10	1.01
Tree-kangaroo, Goodfellow's	<i>Dendrolagus goodfellowi</i>	Papua New Guinea	EN	E, S	X	10	49	3	1.00
Tree-kangaroo, Huon	<i>Dendrolagus matschiei</i>	Papua New Guinea	EN	E, S	X	31	99	8	1.03
Wildcat, Scottish	<i>Felis silvestris grampia</i>	United Kingdom	VU	UK	X	3	9	4	1.05
Wolf, Red	<i>Canis rufus</i> (f)	United States	CR	S	92	31	134	7	1.02
Wolverine	<i>Gulo gulo</i> (f)	North America, North Europe, Mongolia	VU	E	X	18	33	5	1.05
Zebra, Grevy's	<i>Equus grevyi</i>	Ethiopia, Kenya	EN	E, J, S	X	70	332	25	0.99
Zebra, Hartman's Mountain	<i>Equus zebra hartmannae</i> (g)	Angola, Namibia, South Africa	EN	E, S	7,350	21	77	7	0.92

Notes: a. Scientific names follow the "1996 IUCN Red List of Threatened Animals" nomenclature. b. From the "1996 IUCN Red List": [int] = introduced; [re-int] = reintroduced; [ex?] = believed to be extinct; [?] = unknown if the species is currently found in the area. c. IUCN threatened status: CR = critically endangered; EN = endangered; EW = extinct in the wild; VU = vulnerable. d. A = African Propagation Program (APP); Au = Australasian Species Management Program (ASMP); B = Zoological Society of Brazil Species Program (SZB); E = European Endangered Species Programs (EEP); J = Species Survival Committees Japan (SSC); S = North America Species Survival Plan (SSP); UK = United Kingdom Joint Management of Species Committee (JMISC). e. A rate > 1 indicates a net population increase; a rate < 1, a net population decrease; and a rate = 1 indicates that the captive population is stable. f. Zoo census data include all subspecies being held in captivity. g. IUCN status listed applies to the species; the subspecies is not listed separately under the "1996 IUCN Red List."