

Table 15: Conservation status, conservation efforts, captive breeding

^{1, 2, ...} : source, author quoted.

	(Sub-)Species, form, subpopulation	Conservation status			Conservation efforts in the wild (Protected areas: see table 14 c)	Rescue facilities * ¹ , reintroduction	Captive breeding	Studbook(s), breeding projects
		Red data *	CITES	Other				
Asian lorises							Husbandry manual for Asian lorises ^{149, 160} .	
L I	Slender lorises , genus Loris To avoid confusion, the old taxonomic names (above) are listed here in addition to the new names based on Groves 2001 because taxonomic research may lead to further changes.	VU A1cd.	CITES: II ²⁴⁸ .	India: <i>Loris</i> threatened, classified under Schedule 1 of the Indian Wildlife Act, 1972 ¹⁰² .	India: See under <i>L. l. lydekkerianus</i> . In the past no emphasis on conservation of this species ¹⁰² . Sri Lanka: conservation efforts during a survey in 2001 included distribution of stickers with an explanation of the behavior and importance of the slender loris, a lecture at the Ruhuna University in Matara to a large group of university biology students and faculty, and a two day training program to wildlife officials on the slender loris. Interest in the slender loris has increased greatly in Sri Lanka, and plans for future research were discussed ²¹¹ .	India: a wildlife rescue station and hospital at Bangalore (WRRC = Wildlife Rescue and Rehab Center) has been established; objective is to rehabilitate confiscated animals, including lorises, and to reintroduce them to their habitats ¹¹⁰ . Contact: see list of rescue centers. Sri Lanka: a wildlife rescue station and hospital is planned where also lorises will be rehabilitated ²⁰⁷ .	Present captive population numbers in Europe and North America will require periodic importation from the wild to attain a satisfactory level of genetic diversity ¹⁶⁰ . USA: taxon selected for inclusion in breeding programs ²³² .	North American regional studbook for <i>Loris</i> by Helena Fitch-Snyder, San Diego Zoo, e-mail: HelenaZoo@compuserve.com Unsystematic data collection (international, all subspecies) as an addition to a studbook for <i>Loris tardigradus nordicus</i> (see below).
L II a	Old name: <i>L. t. tardigradus</i> ¹ Groves 1998, 2001: change into distinct species L. tardigradus ^{64, 65, 233} . Including several phenotypically distinct-looking forms: see for instance ²²⁷ , L II b, L II c and loris identification key in this database.	Red data: EN A1 * ²⁴⁹ . c						
L II b	Small form with the appearance of a shorter muzzle ¹⁵ .							
L II c	Small form with longer-looking muzzle / heart-shaped (<i>L. t. grandis</i> -like) face ¹⁵ .							
L II d	(<i>L. gracilis zeylanicus</i> : synonym?) ^{2, 14} .							
L III	Loris lydekkerianus ²³³ . Groves 1998, 2001: species including all formerly known <i>Loris</i> subspecies except from the former <i>L. t. tardigradus</i> ^{64, 65, 233} .							

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L IV	Old name: <i>Loris tardigradus malabaricus</i> (Wroughton, 1917) ¹ Groves 1998, 2001: <i>L. lydekkerianus malabaricus</i> ^{64, 65, 233} .	Red data: DD * ²⁴⁹ .						
L V	Old name: <i>Loris tardigradus lydekkerianus</i> (Cabrera, 1908) ¹ . Groves 1998, 2001: <i>L. lydekkerianus lydekkerianus</i> ^{64, 65, 233} .	Red data: DD * ²⁴⁹ .			Surveys necessary (continuity of populations at Andhra Pradesh with Dindigul population, extent of range. Recommendations in connection with survey in Southern Andhra Pradesh: extensive educational program. If there is a change in farming patterns, tree contiguity must be retained and standard silvicultural practices must be followed. People must be encouraged to plant tree species supplied by the government agencies at subsidized rates. Afforestation schemes must not follow clear-felling and replacement by monocultures; instead: phase-wise selection of areas, planting of trees such as pongamia and tamarind interspersed with existing scrub vegetation; this would protect lorises and other fauna characteristic of such habitats ¹⁰² .			
L IX	(? Still unidentified lorises, possibly <i>lydekkerianus</i> or intermediate <i>lydekkerianus</i> / <i>malabaricus</i> ? On Mundanthurai Plateau, Tamil Nadu, India ¹⁴⁴ .				Long-term study on ecology and behaviour since 1998. In the Kalakad-Mundanthurai Tiger Reserve, instead of a single large core zone which covers the rain forest habitat, several small core zones should be established to protect the deciduous forests and its denizens ¹⁴⁵ .			
L VI	Old name: <i>Loris tardigradus nordicus</i> (Osman Hill, 1933) ¹ . Groves 1998, 2001: museum specimens indistinguishable from / synonym of <i>L. lydekkerianus grandis</i> ^{64, 65, 233} . May turn out to be <i>L. lydekkerianus nordicus</i> in the future if further studies prove distinctness. .	Red data: EN A1c * ²⁴⁹ .					Captive outbreeding program with nine founders imported from Polonnaruwa in 1980; see studbook.	International studbook for a purebred population of <i>L. t. nordicus</i> from Polonnaruwa, Sri Lanka (data of other slender lorises included separately as far as known), by Helga Schulze, Ruhr-University Bochum, e-mail: helga.schulze@cityweb.de

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L VII	Old name: <i>Loris tardigradus grandis</i> (Osman Hill and Phillips, 1932) Groves 1998, 2001: <i>L. lydekkerianus grandis</i> ^{64, 65, 233} .	Red data: not listed * ²⁴⁹ .						
L VIII	Old name: <i>L. tardigradus nycticeboides</i> (Osman Hill, 1942) ¹ . Groves 1998, 2001: <i>L. lydekkerianus nycticeboides</i> ^{64, 65, 233} .	Red data: EN A1c * ²⁴⁹ .						

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Nx	<i>Nycticebus</i> E. Geoffroy 1812 ²³³ . Genus <i>Nycticebus</i> in general, lesser slow lorises included or species not mentioned				Vietnam: during a survey at Ben En, ideas for providing educational materials to the local villagers have been discussed. The Zoological Society of San Diego in cooperation with Vietnamese wildlife experts has developed a loris conservation poster for distribution throughout Vietnam ^{154, 193} .	Vietnam: Endangered Primate Rescue Center, Vietnam: care for confiscated lorises, research. See list of rescue centers. The forestry officials of Ben En National Park have identified an island in the reserve that has suitable habitat for releasing confiscated lorises ¹⁵⁴ .	The US prosimian taxon advisory group has recommended a moratorium on captive breeding efforts in North America to ensure sufficient space for more critical species such as the pygmy loris (slow lorises regarded as less endangered) ¹⁶⁰ .	
Np	Lesser slow lorises	Red data: VU A1 cd * 249.	CITES: II 248.		Because of hunting and in addition to habitat loss, the pygmy loris is considered to be under-protected in the wild ^(160, quoting 194) . Surveys in different areas in Vietnam ^{79, 192, 193} . A species survival plan for <i>N. pygmaeus</i> was established in 1994 ¹⁶⁰ .	Telemetry study to assess survival chances after reintroduction of confiscated animals ⁷⁹ , suitable area (island) for controlled reintroduction found ¹⁵⁴ .	The Global Captive Action Plan for Primates proposes a breeding program with a population sufficient to preserve 90% of the average heterozygosity of the wild gene pool for 100 years ^(160 quoting 191) . Captive breeding project, captive management and reproduction research at San Diego Zoo, contact: Helena Fitch-Snyder. USA: taxon selected for inclusion in breeding programs ²³² .	International studbook for <i>Nycticebus pygmaeus</i> by Helena Fitch-Snyder, San Diego Zoo, e-mail: HelenaZoo@compuserve.com Breeding in Europe: EEP coordinator: Mgr Radoslaw Ratajszczak , Vice Director, Wielkopolski Ogród Zoologiczny, Dyreckja, 61-063 Poznan, ul. Browarna 25, Poland. E-mail: zoo@zoo-poznan.pl
Np I	<i>Nycticebus pygmaeus</i> (Bonhote, 1907) ^{3, 1, 2} , see also ³⁸ . (<i>N. intermedius</i> and other possible <i>pygmaeus</i> -like forms included).							
Np I b	<i>N. pygmaeus</i> (Bonhote, 1907) ⁴ , distinguished from <i>N. intermedius</i>).							

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Np II	Synonym / proposed species: <i>Nycticebus intermedius</i> (Dao, 1960) ⁴ .							
Np III	Proposed species: <i>Nycticebus sp.</i> New species proposed 1997, possibly corresponding to <i>N. intermedius</i> ^{46, 47} .							
Np IV	(<i>Nycticebus chinensis</i> ? New species proposed? Based on newspaper reports) ^{96, 161} .							
N	Slow lorises (lesser slow lorises not included)		CITES: listed under <i>N. coucang</i> : II ^{247, 248} .	Indonesia: protected since 1931 ²⁵⁵ .	Recommendation: to stop illegal pet trade for instance via the Middle-East , measures not only in the native countries, a comprehensive plan which incorporates world-wide cooperation in law enforcement and information flow and cooperation with field researchers would be necessary ²⁵⁴ . Indonesia : law enforcement would be necessary to stop illegal trade.		The global captive action plan for primates (Stevenson et al., 1992) recommended well-managed captive nuclei of two subspecies (<i>coucang</i> and <i>bengalensis</i>) ¹⁶⁰ (quoting ¹⁹¹).	North American regional studbook for slow lorises by Helena Fitch-Snyder, US Taxon Advisory Group, e-mail: nycticebus@yahoo.com
N I	<i>Nycticebus bengalensis</i> ^{64, 65} , Old name: <i>N. c. bengalensis</i> . ²³³ . Includes N I b to N I d ^{2, 3} ; Osman Hill distinguished N I b from this form ¹ .	Red data: DD [*] ²⁴⁹ .	CITES: see slow lorises in general.		Vietnam : further surveys should be conducted in the Central Highlands where information about loris is still poor and near international borders where considerable wildlife trading occurs. The forces involved in forest protection forces should be encouraged to take additional steps to promote loris conservation. These could include greater public awareness, discouraging of keeping lorises as pets and the dedication of a National park to the study of conservation of loris ²⁶⁷ .		The global captive action plan for primates (Stevenson et al., 1992) recommended that a well-managed captive nucleus is kept (¹⁶⁰ quoting ¹⁹¹).	
N I b	Synonym (subpopulation): <i>N. c. cinereus</i> (A. Milne-Edwards, 1867) ¹ .							
N I c	Synonym (subpopulation): <i>N. incanus</i> (Thomas 1921) ¹							
N I d	Synonym (subpopulation): <i>N. c. tenasserimensis</i> (variable population with <i>coucang</i> -like features in some specimens, possibly including <i>bengalensis-coucang</i> transition forms (Elliott, 1912) ²⁶⁵ .							

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N II	<i>Nycticebus coucang</i> (Boddaert, 1784) <i>N. bengalensis</i> no longer included ^{2, 64, 233} .	Red data: not listed.	CITES: II ^{247, 248} .	In Indonesia: protected species Protected ^{247, 256} . Acts Indonesia: SK Menteri Pertanian 66/Kpts/Um/2/1973 as <i>Nycticebus coucang</i> SK Menteri Kehutanan 301/Kpts-II/1991 as <i>Nycticebus coucang</i> Peraturan Pemerintah No. 7 1999 as <i>Nycticebus coucang</i> ^{244, 256} .	Confiscations, rescue stations, conservation awareness material in connection with the Schmutzer Primate Center, Ragunan Zoo, Jakarta, sponsored by the Gibbon Foundation. Trade surveys, confiscations, rescue station, conservation awareness campaigns by ProFauna Indonesia, former KSBK (see website: http://www.ksbk.or.id/index.html); In Malang birdmarket KSBK built a big information board showing a slow loris with warning message says that slow loris is protected by law; and for selling or buying it people can be put in jail or fined up to Rp 100 million (based on act. no. 5 1990). But slow loris traders often sell the animals under the information board. One, interviewed by a KSBK investigator disguised as a buyer, said "Please don't worry to buy slow loris, it is not protected yet and they still plenty in nature. The board is untrue. There is no fine at all" ²²⁴ .		The global captive action plan for primates (Stevenson et al., 1992) recommended that a well-managed captive nucleus is kept (¹⁶⁰ quoting ¹⁹¹).	
N III	<i>N. c. coucang</i> (Boddaert, 1785) ² (includes Nc III b-e; compare with Nc III b).		CITES: II ^{247, 248} .	Conservation status in Indonesia: see above, under <i>N. coucang</i>			Peninsular Malesia: protected area coverage 5.0 %. Some of this is degraded habitat; actual effective protection of the unit is scored as only 4.0 % ²⁷⁶ . Sumatra: protected area coverage: 7.0 %. Some of this is degraded habitat; actual effective protection of the unit is scored as only 5.7 % ²⁷⁶ .	Peninsular Malesia: current expected target for protection: 9.8 ²⁷⁶ . Sumatra: current expected target for protection: 8.8 ²⁷⁶ .
N III b	Synonym (subpopulation): <i>N. c. coucang</i> (Boddaert, 1785) ¹ .							
N III c	Synonym (subpopulation): <i>N. c. hilleri</i> (Stone et Rehn, 1902) ¹ .							
N III d	Synonym (subpopulation): <i>N. c. insularis</i> (Robinson, 1917) ¹ .							

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N III e	Synonym (subpopulation): <i>N. c. natunae</i> (Stone et Rehn, 1902) ¹ .							
N IV	<i>N. c. menagensis</i> (Lydekker, 1893) ² ; (including N IV b-d).	Red data: DD [*] ²⁴⁹ .	CITES: II ²⁴⁷ , ²⁴⁸ .	In Indonesia: protected. Acts Indonesia: SK Menteri Pertanian 66/Kpts/Um/2/197 3 as <i>Nycticebus coucang</i> ; SK Menteri Kehutanan 301/Kpts-II/1991 as <i>Nycticebus coucang</i> ; Peraturan Pemerintah No. 7 1999 as <i>Nycticebus coucang</i> ²⁵⁶ .	See above, under <i>Nycticebus coucang</i> : measures against trade in Java and other regions (stop of export of Bornean lorises to markets elsewhere).			
N IV b	Synonym (subpopulation): <i>N. c. borneanus</i> (Nachtrieb, 1892; Lyon, 1908) ¹ .				Recommendation: in Malaysian Borneo (Sabah and Sarawak), education at all levels and alternative sources of protein and income for the rural population to reduce the amount of primate hunting. Upgrading of wildlife staff and strict law enforcement would also be necessary (from a report concerning some simian primate species; lorises are not mentioned) ²⁵² .			
N IV c	Synonym (subpopulation): <i>N. c. menagensis</i> (Lydekker, 1893) ⁶ (only from Tawitawi Archipelago; compare with N IV).							
N IV d	Synonym (subpopulation): <i>N. c. bancanus</i> (Lyon, 1906) ¹ .							

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N V	<i>Nycticebus coucang javanicus</i> (E. Geoffroy, 1812) ^{1, 2, 3, 4, 233} . May turn out to be a distinct species, <i>Nycticebus javanicus</i> , in the future ^{64, 65, 233} .	Red data: DD [*] ²⁴⁹ .	CITES: II ²⁴⁷ , ²⁴⁸ .	In Indonesia: protected. Acts Indonesia: SK Menteri Pertanian 66/Kpts/Um/2/1973 as <i>Nycticebus coucang</i> ; SK Menteri Kehutanan 301/Kpts-II/1991 as <i>Nycticebus coucang</i> ; Peraturan Pemerintah No. 7 1999 as <i>Nycticebus coucang</i> ^{244, 256} .	Recommendation: better law enforcement is necessary to reduce the illegal pet trade. Rescue facilities for adequate housing of larger numbers of confiscated lorises, information how to care for them, an identification key for slow loris subspecies and solutions for longterm care for instance on islands, until reintroduction projects can be started, are needed ²⁵³ .			
African forms					Creation of public awareness for the dangers of the bush meat crisis ¹⁵⁷ , conservation education such as a project in Cameroon encouraging school children not to eat bush meat of endangered species ¹⁵⁹ .			
A I	Genus <i>Arctocebus</i> (formerly believed to consist of 1 species, <i>A. calabarensis</i> , compare with A II) ³³ .		CITES: II ²⁴⁸ .					
A II	<i>A. calabarensis</i> (J.A. Smith, 1863) ^{33, 1, 2} (formerly regarded as subspecies <i>A. c. calabarensis</i>).	Red data: LR/nt [*] ²⁴⁹ .						
A III	<i>A. aureus</i> De Winton, 1902 ^{33, 1, 2} .	Red data: LR/nt [*] ²⁴⁹ .						
P I	Genus <i>Perodicticus</i> Bennett, 1831; <i>Perodicticus potto</i> (P. L. S. Müller, 1776) (possibly including unrecognized species such as the proposed new genus <i>Pseudopotto</i> ? See below).	Red data: not listed ²⁴⁹ .	CITES: II ²⁴⁸ .					North American regional studbook for pottos: Cheryl Frederick, Franklin Park Zoo, Boston, MA 02121, USA.
P II	<i>P. p. potto</i> (P. L. S. Müller, 1766) ² (includes P II b - P II c).							

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P II b	Synonym (subpopulation): <i>P. p. potto</i> (P. L. S. Müller, 1766) ¹ (not including P II c).							
P II c	Synonym (subpopulation): <i>P. p. juju</i> (Thomas, 1910) ¹ .							
P III	<i>P. p. edwardsi</i> (Bouvier, 1879) ² (includes P III b - P III c). Possibly including other species.							
P III b	Synonym (subpopulation): <i>P. p. edwardsi</i> (Bouvier, 1879) ¹ .							
P III c	Synonym (subpopulation): <i>P. p. faustus</i> (Thomas, 1910) ¹ .							
P IV	<i>P. p. ibeanus</i> (Thomas, 1910) ² .							
Ps	<i>Pseudopotto martini</i> : new genus proposed in 1996 ³⁴ . Current data insufficient ⁶⁸ .							

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