



A CHECKLIST OF MAMMALS OF NEPAL

Sanjan Thapa

Small Mammals Conservation and Research Foundation, New Baneshwor, Kathmandu, Nepal
sanjan@smcrf.org

ISSN
Online 0974–7907
Print 0974–7893

OPEN ACCESS

Abstract: A review of the literature on the mammals of Nepal revealed a series of checklists improving in accuracy over time. However, there are contradictions in these checklists and there has been no checklist published since 1975. Here, I present a checklist based on a review of the literature on the mammals of Nepal. The Mammals of Nepal comprise 192 species within 37 families in 12 orders.

Keywords: Checklist, families, mammals, Nepal, orders, species.

Nepali Abstract: नेपालका स्तनधारीप्राणीहरू सम्बन्धित प्रकाशित लेखरचनाहरूको समीक्षा गर्दा समयक्रमसंगै प्रजातिसूचीहरूको श्रृंखला सटिकतातिर सुधारोन्मुख देखिन्छ। यद्यपि, ति प्रजातिसूचीहरूमा विरोधाभास रहेकाछन् र सन् १९७५ पश्चात् कुनै प्रजातिसूची प्रकाशित छैन। नेपालका स्तनधारीप्राणीहरू सम्बन्धित प्रकाशित लेखरचनाहरूको समीक्षाको आधारमा, यहाँ म एउटा प्रजातिसूची प्रस्तुत गर्दछु। नेपालमा बाह्र उपवर्ग, ३७ परिवार अन्तर्गत १९२ प्रजातिका स्तनधारीप्राणीहरू पाईन्छन्।

DOI: <http://dx.doi.org/10.11609/JoTT.o3511.6061-72> | **ZooBank:** urn:lsid:zoobank.org:pub:89208FE7-17D3-4AD0-A96C-851E7749F8DB

Editor: Giovanni Amori, Institute of Ecosystem Studies, Rome, Italy

Date of publication: 26 July 2014 (online & print)

Manuscript details: Ms # o3511 | Received 01 February 2013 | Final received 01 March 2014 | Finally accepted 20 June 2014

Citation: Thapa, S. (2014). A checklist of mammals of Nepal. *Journal of Threatened Taxa* 6(8): 6061–6072; <http://dx.doi.org/10.11609/JoTT.o3511.6061-72>

Copyright: © Thapa 2014. Creative Commons Attribution 4.0 International License. JoTT allows unrestricted use of this article in any medium, reproduction and distribution by providing adequate credit to the authors and the source of publication.

Funding: Self funded.

Competing Interest: The author declare no competing interests.

Author Details: : SANJAN THAPA is a researcher at Small Mammals Conservation and Research Foundation in Kathmandu. His interests include taxonomy, ecology and conservation with particular reference to small mammals. He has a master's degree in Zoology from the Central Department of Zoology, Tribhuvan University, Kathmandu, Nepal.

Acknowledgements: I am indebted to Harrison Institute, Sevenoaks, Kent, UK for providing literature that was very helpful in preparing this checklist. I am sincerely thankful to Dr. Gabor Csorba, Hungarian Natural History Museum, Budapest, Hungary and Dr. Hem Sagar Baral, Himalayan Nature, Kathmandu, Nepal for critical comments on the manuscript.



INTRODUCTION

There have been a series of mammal surveys in Nepal since the early 1820s. Studies of mammal collections can be found in Hodgson (1832, 1834, 1835, 1836a, 1836b, 1838, 1840, 1841a, 1841b, 1841c, 1841d, 1842, 1843, 1844a, 1844b, 1845, 1847, 1858a, 1858b), Gray (1846, 1863), Scully (1887), Hinton (1922a, 1922b), Hinton & Fry (1923), Thomas (1924), Fry (1925), Biswas & Khajuria (1955, 1957), Kawamichi (1968, 1971), Greuber (1969), Frick (1969), Weigel (1969), Worth & Shah (1969), Chesemore (1970), Agrawal & Chakraborty (1971), Abe (1971, 1977, 1982), Martens & Niethammer (1972), Niethammer & Martens (1975), Mitchell (1975, 1978a, 1978b, 1979, 1980), Mitchell & Punzo (1975, 1976, 1977), Mitchell & Derksen (1976), Gregori & Petrov (1976), Marshall (1977), Ingles et al. (1980), Johnson et al. (1980), Green (1981), Daniel & Hanzák (1985), Oliver (1985), Bell (1986), Newton et al. (1990), Sawada & Harada (1995), Kock (1996), Bates & Harrison (1997), Csorba et al. (1999), Myers et al. (2000), and Mekada et al. (2001).

Brian H. Hodgson collected 373 specimens of 70 genera and 114 species of mammals from Nepal (Mitchell 1975). Scully (1887) described 19 species of bats from Nepal based upon Hodgson's and his own collections. Hinton (1922a) distinguished *Soriculus nigrescens* subspecies deposited in the British Museum in which he described the subspecies *S.n. centralis* from Nepal collected by N.A. Baptista. Hinton (1922b) described house rats of Nepal including four subspecies of *Rattus rattus*, *R. rattoides* and *R. nitidus*. Hinton & Fry (1923) published an annotated checklist of 81 genera and 119 species of mammals based on collections by Lt. Colonel R.L. Kennion and N.A. Baptista from August 1920 to March 1921. Hinton (1924) described a new field mouse *Apodemus gurkha* collected by N.A. Baptista from Laprak, Gorkha on 09 May 1923. Fry (1925) supplemented the annotated checklist of Hinton & Fry (1923). He described 44 species of mammals collected by N.A. Baptista. Lindsay (1929) described a new squirrel *Sciuropterus gorkhali* (now *Petaurista elegans*) from Nepal on the basis of eight specimens collected by N.A. Baptista from Gorkha listed in Hinton & Fry (1923). Biswas & Khajuria (1955) reported two new species *Ochotona angdawai* and *Alticola bhatnagari* and two new subspecies *Rattus rattus khumbuensis* and *Mus musculus pygmaeus*. Biswas & Khajuria (1957) described a collection of 52 specimens of 21 species and subspecies. They reported the first record of Beech Marten *Martes foina intermedia* from

Nepal. Frick (1969) produced a checklist of 169 species and subspecies of mammals found in Nepal. Caughley (1969) listed 16 genera and 17 species of mammals from the Trishuli watershed. A German research expedition in 1961–62 visited the Khumbu region of the Nepalese Himalayas and collected 314 skins and skulls of insectivores and rodents. Greuber (1969) explained the occurrence of species in relation to biotope and altitude. Wiegel (1969) produced an annotated checklist of the species, discussed insectivores and rodents, reported a new species *Soriculus gruberi* and a new subspecies *Sorex cylindricauda nipalensis*, demonstrated *Mus musculus pygmaeus* reported previously by Biswas & Khajuria (1955) is a young of *M.m. homourus* and the species were discussed in relation to distribution in the zoo-geographic regions. Worth & Shah (1969) collected specimens of mammals from Nepal for ectoparasites studies. It included 27 specimens of five genera and three families of bats which were collected from Kathmandu, Pokhara and eastern Tarai by R.M. Mitchell (Mitchell 1978a). Chesemore (1970) noted 40 species of mammals mainly from southern Nepal. Agrawal & Chakraborty (1971) examined the collection of small mammals by R.M. Mitchell from Nepal. They published a note describing a new species *Ochotona mitchelli*. Abe (1971, 1977) described taxonomic and ecological data for 570 small terrestrial mammals comprising 28 species collected from 33 localities in central Nepal. Abe (1982) detailed the ecological distribution and the faunal structure of central Nepal's small ground mammal fauna. Martens & Niethammer (1972) recorded a new species *Apodemus sylvaticus wardi* (currently considered a synonym of *Apodemus pallipes*) for Nepal and collected new material of *A. gurkha*. Also, they mentioned the distribution pattern of both species. Niethammer & Martens (1975) discussed the genera *Rattus* and *Maxomys* (now *Niviventer*) from Afghanistan and Nepal based upon the specimens collected by Martens from Nepal. Mitchell (1975) prepared a checklist of 145 species and subspecies of mammals (excluding bats) based upon 4,000 terrestrial mammal specimens representing 130 species collected by the Nepal Ectoparasite Program between 1967 and 1970. Mitchell & Punzo (1975) described a new species *Ochotona lama* (now *O. nubrica*) from Nepal. Mitchell & Punzo (1976) discussed five new records of mammals from Nepal namely, *Ovis ammon hodgsoni*, *Tragulus meminna*, *Crocidura attenuata*, *Suncus stoliczkanus* and *S. eustrucsus pygmaeoides*. Mitchell & Derksen (1976) reported mammals of nine species of four orders. Mitchell (1978a) prepared a checklist

of 18 genera and 37 species of bats among which 15 genera and 17 species were collected from Nepal Health Survey, Nepal Ectoparasite Program and Arun Valley Wildlife Expedition. Six new records were listed in the checklist. Mitchell (1978b) described six species of pikas from Nepal based upon 155 specimens collected by the Nepal Ectoparasite Program. Mitchell (1979) provided accounts of 11 species of eight genera of sciurid rodents from Nepal. Mitchell (1980) reported new records of five species from Nepal.

Gregori & Petrov (1976) described six species based upon 46 specimens from Makalu-Barun collected by J. Gregori during the 1972 Yugoslav Himalayan Expedition. In 1977, Joe T. Marshall, Jr. published an erudite monograph on Asian species of the genus *Mus*, which included the collection locality of specimens of *Mus cervicolor*, *M. cookii*, and *M. musculus* collected by the author and Stephen C. Frantz from Tiger Tops in Royal Chitwan National Park, Hetauda, and Kathmandu. Jhonson et al. (1980) described 35 species of mammals with three new species namely, *Tupaia glis* (now *T. belangeri*), *Vulpes bengalensis* and *Lepus grahmi* (now *L. oiostolus*) based upon 112 specimens collected by S.D. Ripley from 1948–1949. Ingles et al. (1980) reported the first record of *Diomys crumpi* and records of other three shrews based upon the specimens deposited in the British Museum of Natural History collected by the University of East Anglia Expedition to Nepal from 1978–1979.

Green (1981) published a checklist with notes on some mammals from Langtang National Park. Daniel & Hanzák (1985) examined taxonomic and ecological aspects of 139 specimens of six species of mammals from Makalu-Barun, which was collected by the Czechoslovakian Expedition from 26th March and 25th May, 1973. Oliver (1985) surveyed Chitwan National Park, Bardia National Park, and Sukla Phanta Wildlife Reserve and reported the presence of *Caprolagus hispidus* in all three protected areas, but evidence of *Porcula salvania* was not confirmed. Bell (1986) confirmed an occurrence of four male and three female *C. hispidus* at two sites in the Sukla Phanta Wildlife Reserve together with two Indian hares (*Lepus nigricollis ruficaudatus*) at the Reserve's camp at Pipariya. Newton et al. (1990) described the collection of 71 specimens of 11 species of Muridae and Soricidae from nine localities in Nepal collected by the University of East Anglia Expedition to Nepal from 1978–1979. Suwal & Verheugt (1995) enumerated a checklist of 181 species of 39 families of 12 orders of mammals. Kock (1996) discussed a collection of 10 species of chiroptera from

Nepal (Nine species were collected by Jochen Martens, of the University of Mainz, between December, 1969 and May, 1973 and one specimen of *Pteropus giganteus* presented by B.H. Hodgson). Bates & Harrison (1997) compiled detailed information on 49 bat species from Nepal. Information was gathered through museum visits, literature study and short field seasons, in which specimens of six species were collected and deposited in the Harrison Zoological Museum. Topal (1997) explained the *Myotis longipes* collected from Nepal to be different from collections at other locations. Csorba et al. (1999) reported recent records of chiroptera from Nepal, with remarks on their natural history based upon 23 bat species collected by Russian and Hungarian expeditions. They added first records of three species namely *la io*, *Murina cyclotis*, and *Kerivoula hardwickii* from Nepal. They also prepared a checklist of 51 species known as of that date from Nepal in an appendix. They focused on *Myotis csorbai*, which proved to be a new species. Myers et al. (2000) lately summarized their field work in and near Chitwan National Park during March 1990 based upon the collection of 143 specimens of 14 bat species. They reported first records of *Eonycteris spelaea* and *Eptesicus dimissus* as well as verified presence of *Miniopterus pusillus* and *Kerivoula picta*. Mekada et al. (2001) conducted a faunal survey and collected 131 specimens of insectivores and rodents from the Annapurna region and outskirts of Kathmandu City in 1996 and 1999. Majupuria & Kumar [Majupuria] (2006) published a book with a checklist of 187 species of mammals reported from Nepal including Yeti. Baral & Shah (2008) presented a checklist of 208 species of mammals including humans in the book "Wild Mammals of Nepal".

Checklists on Nepalese mammals have been periodically refined since Hinton & Fry (1923). Fry (1925), Frick (1969), Mitchell (1975), Mitchell (1978a), Csorba et al. (1999), Yonzon (2004), and Majupuria & Kumar [Majupuria] (2006) were the primary publications of checklists of mammals. A checklist of mammals found in Nepal in Baral & Shah (2008) is the latest. However, there are contradictions in these checklists. There has been no attempt in updating a standard checklist on mammals from Nepal in a journal since Mitchell (1975). Thus I aim to fill this gap in knowledge.

MATERIALS AND METHODS

I prepared a checklist based on a review of literature regarding mammals of Nepal. Abe (1971,

1977), Mitchell (1975), Johnson et al. (1980), Molur et al. (2002, 2005), Baral & Shah (2008), Acharya et al. (2010), Pearch (2011), Jnawali et al. (2011), and Thapa et al. (2012) were the major source of information on species. Similarly, Suwal & Verheugt (1995), Shrestha (1997) and Majupuria & Kumar [Majupuria] (2006) were additionally cited. Taxonomic updates are based on Wilson & Reeder (2005) and IUCN (2013).

RESULTS

Careful analysis and verification of the presence and absence of mammals confirmed occurrence of 192 species of mammals representing 37 families and 12 orders. It includes two endemic species; *Apodemus gorkha* and *Myotis csorbai*. Two species new to Nepal are added in this checklist namely; *Mus pahari* and *Scotozous dormeri*. A checklist of mammal species that are confirmed to occur in Nepal is given in Table 1.

DISCUSSION

Thomas & Hinton (1922) described the 52 specimens of 10 species deposited in the British Museum collected by A.F.R. Wollaston during the 1921 Mount Everest Expedition. All the collection localities fall in Tibet. Unfortunately, the species described in this paper were added to the Nepalese checklist. Therefore, some species have not yet been discovered from the country or they do not occur here (Table 2).

Pearch (2011) clearly updated the small mammals of Nepal enumerating 118 species; however, I disagree with some species inclusions and exclusions in his list until and unless a satisfactory field assessment of the fauna is undertaken. Therefore, with respect to Pearch (2011), I include *Eptesicus gobiensis* as a probable species of a small mammal of Nepal. *Sorex tibetanus* is included in Pearch (2011). However, this species is still subject to taxonomic controversy, with little conclusive information currently available for the species (Hutterer 2005) and it is considered endemic to China (Smith & Xie 2008). Agrawal & Chakraborty (1971) labeled a specimen *Sorex araneus* from Nepal. Hoffmann (1987) questioned the identity of the specimen, however, suggesting that it may be assignable to *S. excelsus* (Chakraborty et al. 2004; Pearch 2011). *S. araneus* is restricted to Europe according to IUCN (2013). Therefore, I include *S. excelsus* in this list for the specimen collected by Agrawal & Chakraborty (1971).

I doubt the presence of *Sphaerias blanfordi* in the country as Lekagul & McNeely (1977) mentioned no specific location other than eastern Nepal without any further details (Bates & Harrison 1997; Pearch 2011). Similarly, the taxonomy of *Rhinolophus subbadius* is controversial as the holotype of the species from Nepal could not be traced (Csorba et al. 2003; Pearch 2011). The locality for *Myotis siligorensis* listed as Siligori, Nepal is erroneous as Siligori is in India. This brings into question the occurrence of the species in Nepal. On this point, I agree with Pearch (2011), but the unconfirmed identification of a *Myotis mystacinus siligorensis* specimen in the collections of the Museum of Comparative Zoology, Harvard University (MCZ 32977) hints further taxonomic research is required. Therefore, I keep *M. siligorensis* as a probable species for Nepal. *Myotis mystacinus* is confined to Europe and the specimens referred as *M. mystacinus* have been reassessed as *M. nipalensis* by Benda and Tystulina (2000), therefore, I exclude *M. mystacinus* from the list of Pearch (2011).

With respect to Jnawali et al. 2011, I include *Mus platythrix* as a probable species of small mammal from Nepal. *Ochotona himalayana* is speculated to be distributed in Nepal; there is no record of this species. Hence, I do not include this species in the checklist. *Ochotona thibetana* perhaps can be found in Shey-Phoksundo National Park (SPNP) (Suwal & Verheugt 1995; Shrestha 1997; Majupuria & Kumar [Majupuria] 2006). However, Smith & Boyer (2008) show its distribution in high mountains near the Tibetan border in eastern Nepal (Thapa et al. 2011). Because there is no record of specimens of this species from Nepal I exclude it from the list. *Semnopithecus ajax* is restricted to India, however, Brandon-Jones (2004) claimed its occurrence from Nepal on the basis of a skin from Melamchi (Groves & Molur 2008). Hence, further confirming studies are necessary.

Corbet & Hill (1992) mapped the distribution of *Scotophilus kuhlii* from the Tarai region of Nepal, but, there had been no record of a voucher specimen. Two specimens of *S. kuhlii* (CDZ TU_BAT 030; CDZ TU_BAT 032) are deposited in the Museum of Central Department of Zoology, Tribhuvan University, Kathmandu, Nepal. Recently, Thapa et al. (2012) recorded *Scotozous dormeri* to Nepal.

The presence of Indian Chevrotain *Moschiola indica* is uncertain from Nepal (IUCN 2013), Baral et al. (2009) raised the need of additional survey. The Pygmy Hog *Porcula salvania*, Wild Yak *Bos mutus* and Chiru *Pantholops hodgsonii* appear to be extinct from Nepal

Table 1. Checklist of mammals of Nepal

Species	Common name
Order Proboscidea	
Family Elephantidae	
1. <i>Elephas maximus</i> Linnaeus, 1758	Asian Elephant
Order Scandentia	
Family Tupaiidae	
2. <i>Tupaia belangeri</i> (Wagner, 1841)	Northern Tree-Shrew
Order Primates	
Family Cercopithecidae	
3. <i>Macaca assamensis</i> (M'Clelland, 1840)	Assam Macaque
4. <i>Macaca mulatta</i> (Zimmermann, 1780)	Rhesus Monkey
5. <i>Semnopithecus ajax</i> (Pocock, 1928)	Himalayan Gray Langur
6. <i>Semnopithecus hector</i> (Pocock, 1928)	Tarai Gray Langur
7. <i>Semnopithecus schistaceus</i> Hodgson, 1840	Nepal Gray Langur
Family Hominidae	
8. <i>Homo sapiens</i> Linnaeus, 1758	Human
Order Rodentia	
Family Sciuridae	
9. <i>Belomys pearsonii</i> (Gray, 1842)	Hairy-footed Flying Squirrel
10. <i>Callosciurus pygerythrus</i> (l. Geoffroy Saint Hilaire, 1832)	Hoary-bellied Squirrel
11. <i>Dremomys lokriah</i> (Hodgson, 1836)	Orange-bellied Himalayan Squirrel
12. <i>Hylopetes alboniger</i> (Hodgson, 1836)	Particolored Flying Squirrel
13. <i>Funambulus pennanti</i> Wroughton, 1905	Five-striped Palm Squirrel
14. <i>Marmota himalayana</i> (Hodgson, 1841)	Himalayan Marmot
15. <i>Petaurista elegans</i> (Müller, 1840)	Spotted Giant Flying Squirrel
16. <i>Petaurista magnificus</i> (Hodgson, 1836)	Hodgson's Giant Flying Squirrel
17. <i>Petaurista nobilis</i> (Gray, 1842)	Bhutan Giant Flying Squirrel
18. <i>Petaurista petaurista</i> (Pallas, 1766)	Red Giant Flying Squirrel
19. <i>Ratufa bicolor</i> (Sparrman, 1778)	Black Giant Squirrel
20. <i>Tamiops maccllellandi</i> (Horsefield, 1840)	Himalayan Striped Squirrel
Family Spalacidae	
21. <i>Cannomys badius</i> (Hodgson, 1841)	Lesser Bamboo Rat
Family Cricetidae	
22. <i>Alticola stoliczkanus</i> (Blanford, 1875)	Stoliczka's Mountain Vole
23. <i>Cricetulus alticola</i> Thomas, 1917	Tibetan Dwarf Hamster
24. <i>Neodon sikimensis</i> (Horsefield, 1841)	Sikkim Vole
25. <i>Phaiomys leucurus</i> Blyth, 1863	Blyth's Vole
Family Muridae	
26. <i>Apodemus gorkha</i> Thomas, 1924	Himalayan Wood Mouse
27. <i>Apodemus pallipes</i> (Barrett-Hamilton, 1900)	Himalayan Field Mouse

Species	Common name
28. <i>Bandicota bengalensis</i> (Gray, 1835)	Lesser Bandicoot Rat
29. <i>Bandicota indica</i> (Bechstein, 1800)	Greater Bandicoot Rat
30. <i>Dacnomys millardi</i> Thomas, 1916	Millard's Rat
31. <i>Diomys crumpi</i> Thomas, 1917	Crump's Mouse
32. <i>Golunda ellioti</i> Gray, 1837	Indian Bush Rat
33. <i>Millardia meltada</i> (Gray, 1837)	Soft-furred Metad
34. <i>Mus booduga</i> (Gray, 1837)	Common Indian Field Mouse
35. <i>Mus cervicolor</i> Hodgson, 1845	Fawn-colored Mouse
36. <i>Mus cookii</i> Ryley, 1914	Cook's Mouse
37. <i>Mus musculus</i> Linnaeus, 1758	House Mouse
38. <i>Mus pahari</i> Thomas, 1916	Sikkim Mouse
39. <i>Mus phillipsi</i> Wroughton, 1912	Wroughton's Small Spiny Mouse
40. <i>Mus saxicola</i> Elliot, 1839	Brown Spiny Mouse
41. <i>Mus terricolor</i> Blyth, 1851	Earth-colored Mouse
42. <i>Nesokia indica</i> (Gray, 1830)	Short-tailed Bandicoot Rat
43. <i>Niviventer eha</i> (Wroughton, 1916)	Little Himalayan Rat
44. <i>Niviventer fulvescens</i> (Gray, 1847)	Chestnut White-bellied Rat
45. <i>Niviventer niviventer</i> (Hodgson, 1836)	Himalayan White-bellied Rat
46. <i>Rattus andamanensis</i> (Blyth, 1860)	Indochinese Forest Rat
47. <i>Rattus nitidus</i> (Hodgson, 1845)	Himalayan Field Rat
48. <i>Rattus pyctoris</i> (Hodgson, 1845)	Himalayan Rat
49. <i>Rattus rattus</i> (Linnaeus, 1758)	House Rat
50. <i>Rattus tanezumi</i> Temminck, 1844	Oriental House Rat
51. <i>Tatera indica</i> (Hardwicke, 1807)	Indian Gerbil
52. <i>Vandeleuria oleracea</i> (Bennett, 1832)	Asiatic Long-tailed Climbing Mouse
Family Hystricidae	
53. <i>Hystrix brachyura</i> Linnaeus, 1758	Malayan Porcupine
54. <i>Hystrix indica</i> Kerr, 1792	Indian Crested Porcupine
Order Lagomorpha	
Family Ochotonidae	
55. <i>Ochotona curzoniae</i> (Hodgson, 1858)	Black-lipped Pika
56. <i>Ochotona macrotis</i> (Günther, 1875)	Large-eared Pika
57. <i>Ochotona nubrica</i> Thomas, 1922	Nubra Pika
58. <i>Ochotona roylei</i> (Ogilby, 1839)	Royle's Pika
Family Leporidae	
59. <i>Caprolagus hispidus</i> (Pearson, 1839)	Hispid Hare
60. <i>Lepus nigricollis</i> F. Cuvier, 1823	Indian Hare
61. <i>Lepus oiostolus</i> Hodgson, 1840	Woolly Hare
Order Eulipotyphla	
Family Soricidae	
62. <i>Chimarrogale himalayica</i> (Gray, 1842)	Himalayan Water Shrew

Species	Common name
63. <i>Crocidura attenuata</i> Milne-Edwards, 1872	Indo-Chinese Shrew
64. <i>Episoriculus caudatus</i> (Horsfield, 1851)	Hodgson's Brown-toothed Shrew
65. <i>Episoriculus leucops</i> (Horsfield, 1855)	Long-tailed Brown-toothed Shrew
66. <i>Episoriculus macrurus</i> (Blanford, 1888)	Long-tailed Mountain Shrew
67. <i>Nectogale elegans</i> Milne-Edwards, 1870	Elegant Water Shrew
68. <i>Sorex bedfordiae</i> Thomas, 1911	Lesser Stripe-backed Shrew
69. <i>Sorex excelsus</i> G.M. Allen, 1923	Highland Shrew
70. <i>Sorex minutus</i> Linnaeus, 1766	Eurasian Pygmy Shrew
71. <i>Soriculus nigrescens</i> (Gray, 1842)	Himalayan Shrew
72. <i>Suncus eustrucsus</i> (Savi, 1822)	Pygmy White-toothed Shrew
73. <i>Suncus murinus</i> (Linnaeus, 1766)	Asian House Shrew
74. <i>Suncus stoliczkanus</i> (Anderson, 1877)	Anderson's Shrew
Family Talpidae	
75. <i>Euroscaptor micrura</i> (Hodgson, 1841)	Himalayan Mole
Order Chiroptera	
Family Pteropodidae	
76. <i>Cynopterus sphinx</i> (Vahl, 1797)	Greater Short-nosed Fruit Bat
77. <i>Eonycteris spelaea</i> (Dobson, 1871)	Dawn Bat
78. <i>Pteropus giganteus</i> (Brünnich, 1782)	Indian Flying Fox
79. <i>Rousettus leschenaulti</i> (Desmarest, 1820)	Leschenault's Rousette
Family Rhinolophidae	
80. <i>Rhinolophus affinis</i> Horsfield, 1823	Intermediate Horseshoe Bat
81. <i>Rhinolophus ferrumequinum</i> (Schreber, 1774)	Greater Horseshoe Bat
82. <i>Rhinolophus luctus</i> Temminck, 1834	Great Woolly Horseshoe Bat
83. <i>Rhinolophus lepidus</i> Blyth, 1844	Blyth's Horseshoe Bat
84. <i>Rhinolophus macrotis</i> Blyth, 1844	Big-eared Horseshoe Bat
85. <i>Rhinolophus pearsonii</i> Horsfield, 1851	Pearson's Horseshoe Bat
86. <i>Rhinolophus pusillus</i> Temminck, 1834	Least Horseshoe Bat
87. <i>Rhinolophus sinicus</i> K. Andersen, 1905	Chinese Horseshoe Bat
Family Hipposideridae	
88. <i>Hipposideros armiger</i> (Hodgson, 1835)	Great Himalayan Leaf-nosed Bat
89. <i>Hipposideros cineraceus</i> Blyth, 1853	Least Leaf-nosed Bat
90. <i>Hipposideros fulvus</i> Gray, 1838	Fulvus Leaf-nosed Bat
91. <i>Hipposideros pomona</i> K. Andersen, 1918	Andersen's Leaf-nosed Bat
Family Megadermatidae	
92. <i>Megaderma lyra</i> É. Geoffroy, 1810	Greater False Vampire
Family Emballonuridae	
93. <i>Taphozous longimanus</i> Hardwicke, 1825	Long-winged Tomb Bat

Species	Common name
Family Vespertilionidae	
94. <i>Arielulus circumdatus</i> (Temminck, 1840)	Bronze Sprite
95. <i>Barbastella leucomelas</i> (Cretzschmar, 1826)	Eastern Barbastelle
96. <i>Eptesicus dimissus</i> Thomas, 1916	Surat Serotine
97. <i>Eptesicus serotinus</i> (Schreber, 1774)	Serotine
98. <i>Falsistrellu saffinis</i> (Dobson, 1871)	Chocolate Pipistrelle
99. <i>Hesperoptenus tickelli</i> (Blyth, 1851)	Tickell's Bat
100. <i>la io</i> Thomas, 1902	Great Evening Bat
101. <i>Kerivoula hardwickii</i> (Horsfield, 1824)	Hardwicke's Woolly Bat
102. <i>Kerivoula picta</i> (Pallas, 1767)	Painted Woolly Bat
103. <i>Murina aurata</i> Milne-Edwards, 1872	Tibetan Tube-nosed Bat
104. <i>Murina cyclotis</i> Dobson, 1872	Round-eared Tube-nosed Bat
105. <i>Murina huttoni</i> (Peters, 1872)	White-bellied Tube-nosed Bat
106. <i>Murina leucogaster</i> Milne-Edwards, 1872	Greater Tube-nosed Bat
107. <i>Myotis blythii</i> (Tomes, 1857)	Lesser Mouse-eared Myotis
108. <i>Myotis csorbai</i> Topál, 1997	Csorba's Mouse-eared Myotis
109. <i>Myotis formosus</i> (Hodgson, 1835)	Hodgson's Bat
110. <i>Myotis muricola</i> (Gray, 1864)	Nepalese Whiskered Myotis
111. <i>Myotis nipalensis</i> Dobson, 1871	Nepal Myotis
112. <i>Myotis sicarius</i> Thomas, 1915	Mandelli's Mouse-eared Myotis
113. <i>Nyctalus montanus</i> (Barrett-Hamilton, 1906)	Mountain Noctule
114. <i>Nyctalus noctula</i> (Schreber, 1774)	Noctule
115. <i>Philetor brachypterus</i> (Temminck, 1840)	Short-winged Pipistrelle
116. <i>Pipistrellus coromandra</i> (Gray, 1838)	Coromandel Pipistrelle
117. <i>Pipistrellus javanicus</i> (Gray, 1838)	Javan Pipistrelle
118. <i>Pipistrellus tenuis</i> (Temminck, 1840)	Least Pipistrelle
119. <i>Plecotus auritus</i> (Linnaeus, 1758)	Brown Big-eared Bat
120. <i>Plecotus austriacus</i> (J. Fischer, 1829)	Gray Big-eared Bat
121. <i>Scotomanes ornatus</i> (Blyth, 1851)	Harlequin Bat
122. <i>Scotophilus heathii</i> (Horsfield, 1831)	Greater Asiatic Yellow HouseBat
123. <i>Scotophilus kuhlii</i> Leach, 1821	Lesser Asiatic Yellow House Bat
124. <i>Scotozous dormeri</i> Dobson, 1875	Dormer's Bat
Family Miniopteridae	
125. <i>Miniopterus fuliginosus</i> (Hodgson, 1835)	Eastern Bent-winged Bat
126. <i>Miniopterus pusillus</i> Dobson, 1876	Small Long-fingered Bat
Order Pholidota	
Family Manidae	
127. <i>Manis crassicaudata</i> E.Geoffroy, 1803	Indian Pangolin
128. <i>Manis pentadactyla</i> Linnaeus, 1758	Chinese Pangolin

Species	Common name
Order Carnivora	
Family Felidae	
129. <i>Felis chaus</i> Schreber, 1777	Jungle Cat
130. <i>Lynx lynx</i> (Linnaeus, 1758)	Eurasian lynx
131. <i>Neofelis nebulosa</i> (Griffith, 1821)	Clouded Leopard
132. <i>Panthera pardus</i> (Linnaeus, 1758)	Leopard
133. <i>Panthera tigris</i> (Linnaeus, 1758)	Royal Bengal Tiger
134. <i>Panthera uncia</i> (Schreber, 1775)	Snow Leopard
135. <i>Pardofelis marmorata</i> (Martin, 1837)	Marbled Cat
136. <i>Pardofelis temminckii</i> (Vigors & Horsfield, 1827)	Asiatic Golden Cat
137. <i>Prionailurus bengalensis</i> (Kerr, 1792)	Leopard Cat
138. <i>Prionailurus viverrinus</i> (Bennett, 1883)	Fishing Cat
Family Viverridae	
139. <i>Arctictis binturong</i> (Raffles, 1821)	Binturong
140. <i>Paguma larvata</i> (C.E.H. Smith, 1827)	Masked Palm Civet
141. <i>Paradoxurus hermaphroditus</i> (Pallas, 1777)	Common Palm Civet
142. <i>Prionodon pardicolor</i> Hodgson, 1842	Spotted Linsang
143. <i>Vivercula indica</i> (É. Geoffroy Saint-Hilaire, 1803)	Small Indian Civet
144. <i>Viverra zibetha</i> Linnaeus, 1758	Large Indian Civet
Family Herpestidae	
145. <i>Herpestes edwardsii</i> (É. Geoffroy Saint-Hilaire, 1818)	Indian Grey Mongoose
146. <i>Herpestes javanicus</i> (É. Geoffroy Saint-Hilaire, 1818)	Small Asian Mongoose
147. <i>Herpestes urva</i> (Hodgson, 1836)	Crab-eating Mongoose
Family Hyaenidae	
148. <i>Hyaena hyaena</i> (Linnaeus, 1758)	Striped Hyaena
Family Canidae	
149. <i>Canis aureus</i> Linnaeus, 1758	Golden Jackal
150. <i>Canis lupus</i> Linnaeus, 1758	Gray Wolf
151. <i>Cuon alpinus</i> (Pallas, 1811)	Dhole
152. <i>Vulpes bengalensis</i> (Shaw, 1800)	Bengal Fox
153. <i>Vulpes ferrilata</i> Hodgson, 1842	Tibetan Fox
154. <i>Vulpes vulpes</i> (Linnaeus, 1758)	Red Fox
Family Ursidae	
157. <i>Melursus ursinus</i> (Shaw, 1791)	Sloth bear
155. <i>Ursus arctos</i> Linnaeus, 1758	Brown Bear
156. <i>Ursus thibetanus</i> G. [Baron] Cuvier, 1823	Himalayan Black Bear
Family Mustelidae	
158. <i>Aonyx cinerea</i> (Illiger, 1815)	Oriental Small-clawed Otter
159. <i>Lutra lutra</i> (Linnaeus, 1758)	Eurasian Otter
160. <i>Lutrogale perspicillata</i> (I. Geoffroy Saint-Hilaire, 1826)	Smooth-coated Otter
161. <i>Martes flavigula</i> (Boddaert, 1758)	Yellow-throated Marten
162. <i>Martes foina</i> (Erleben, 1777)	Stone Marten

Species	Common name
163. <i>Mellivora capensis</i> (Schreber, 1776)	Honey Badger
164. <i>Mustela altaica</i> Pallas, 1811	Mountain Weasel
165. <i>Mustela kathiah</i> Hodgson, 1835	Yellow-bellied Weasel
166. <i>Mustela sibirica</i> Pallas, 1773	Siberian Weasel
167. <i>Mustela strigidorsa</i> Gray, 1853	Stripe-backed Weasel
Family Ailuridae	
168. <i>Ailurus fulgens</i> F.G. Cuvier, 1825	Red Panda
Order Perissodactyla	
Family Equidae	
169. <i>Equus kiang</i> Moorcroft, 1841	Kiang
Family Rhinocerotidae	
170. <i>Rhinoceros unicornis</i> Linnaeus, 1758	Greater One-horned Rhino
Order Cetartiodactyla	
Family Suidae	
171. <i>Sus scrofa</i> Linnaeus, 1758	Wild Boar
Family Tragulidae	
172. <i>Moschiola indica</i> (Gray, 1852)	Indian Chevrotain
Family Moschidae	
173. <i>Moschus chrysogaster</i> (Hodgson, 1839)	Alpine Musk Deer
174. <i>Moschus fuscus</i> Li, 1981	Black Musk Deer
175. <i>Moschus leucogaster</i> Hodgson, 1839	Himalayan Musk Deer
Family Cervidae	
176. <i>Axis axis</i> (Erleben, 1777)	Chital
177. <i>Hyelaphus porcinus</i> (Zimmermann, 1780)	Indian Hog Deer
178. <i>Muntiacus vaginalis</i> (Zimmermann, 1780)	Barking Deer
179. <i>Rucervus duvaucelii</i> (G. Cuvier, 1823)	Barasingha
180. <i>Rusa unicolor</i> (Kerr, 1792)	Sambar Deer
Family Bovidae	
181. <i>Antelope cervicapra</i> (Linnaeus, 1758)	Black Buck
182. <i>Bubalus arnee</i> (Kerr, 1792)	Asian Water Buffalo
183. <i>Bos gaurus</i> C.H. Smith, 1827	Gaur
184. <i>Boselaphus tragocamelus</i> (Pallas, 1766)	Nilgai
185. <i>Capricornis thar</i> (Hodgson, 1831)	Himalayan Serow
186. <i>Hemitragus jemlahicus</i> (C.H. Smith, 1826)	Himalayan Tahr
187. <i>Naemorhedus goral</i> (Hardwicke, 1825)	Himalayan Goral
188. <i>Ovis ammon</i> (Linnaeus, 1758)	Argali
189. <i>Procapra picticaudata</i> Hodgson, 1846	Tibetan Gazelle
190. <i>Pseudois nayaur</i> (Hodgson, 1833)	Blue Sheep
191. <i>Tetracerus quadricornis</i> (deBlainville, 1816)	Chousingha
Order Cetacea	
Family Platinistidae	
192. <i>Platanista gangetica gangetica</i> (Roxburgh, 1801)	Ganges River Dolphin

Table 2. Species excluded in the current checklist.

Species	Cited previously	Reason for not including	References supporting the decision
<i>Ochotona lama</i>	Jnawali et al. (2011)	Taxonomic issues, not recognized as a full species, considered sympatric to <i>O. nubrica</i>	Thapa et al. (2011)
<i>Apodemus sylvaticus</i>	Jnawali et al. (2011)	Extralimital or hypothetical for Nepal	Schlitter et al. (2008)
<i>Bandicota maxima</i>	Jnawali et al. (2011)	The taxon has not been assessed for IUCN Red List	IUCN (2013)
<i>Crociodura horsefieldi</i>	Jnawali et al. (2011)	The taxon has not been assessed for IUCN Red List	IUCN (2013)
<i>Eptesicus gobiensis</i>	Pearch (2011)	In absence of specimens of <i>E. nilssoni</i> collected by R.M. Mitchell	
<i>Sorex thibetanus</i>	Pearch (2011)	This species is still subject to taxonomic controversy, with little conclusive information currently available for the species (Hutterer 2005) and considered endemic to China (Smith & Xie 2008)	
<i>Sphaerias blanfordi</i>	Acharya et al. (2010)	Lekagul & Mcneely (1977) mentions no specific location rather than eastern Nepal without any further details	Bates & Harrison (1997), Pearch (2011)
<i>Rhinolophus subbadius</i>	Acharya et al. (2010)	Holotype of the species from Nepal could not be traced	Csorba et al. (2003), Pearch (2011)
<i>Myotis siligorensis</i>	Acharya et al. (2010)	The locality mentioned is Siligori, Nepal is erroneous as Siligori is in India	Pearch (2011)
<i>Myotis mystacinus</i>	Pearch (2011)	The species is confined to Europe	Benda & Tytsulina (2000)
<i>Alticola roylei</i>	Jnawali et al. (2011)	Endemic to India	Molur & Nameer (2008a)
<i>Mus platythrix</i>	Jnawali et al. (2011)	Endemic to India	Molur & Nameer (2008c)
<i>Crociodura pergrisea</i>	Jnawali et al. (2011)	Endemic to Pakistan	Molur & Nameer (2008b)
<i>Arctonyx collaris</i>	Jnawali et al. (2011)	Distributed in to South East Asia, China, Mongolia, Bhutan and northeastern India	Timmins et al. (2008)
<i>Melogale personata</i>	Jnawali et al. (2011)	there have been no subsequent records since Hodgson 1836- holotype for subspecies	Duckworth et al. (2008)
<i>Marmota bobak</i>	Jnawali et al. (2011)	No specimen records and no confirming specific locality records	
<i>Mustela erminea</i>	Jnawali et al. (2011)	- Range of its distribution out of Nepal. - The only specimen made over by Hodgson to the British Museum is a furrier's skin, said to have been brought from Tibet" (Hinton & Fry 1923). - Not included in the checklist by Mitchell (1975). Since, there has been no sighting of the animal during winter in white coat in Nepal further research is necessary.	Reid & Helgen (2008), Blanford (1891)

(Harris & Leslie 2008; Mallon 2008; Narayan et al. 2008).

Previous checklists (Baral & Shah 2008; Jnawali et al. 2011) include 208 species. However, this checklist reduces the number to 192 on the basis of concrete evidence of occurrence of species through valid specimens and literature on specific records. The research aspect on small mammals and small cats of this country is poor which will be fostered in coming days. Many more new species of this category of mammals will be added to the current checklist.

REFERENCES

- Abe, H. (1971). Small Mammals of Central Nepal - Mammalia. *Journal Faculty of Agriculture, Hokkaido University, Sapporo, Japan* 56: 396–403.
- Abe, H. (1977). Variation and taxonomy of some small mammals from Central Nepal. *Journal of the Mammalian Society of Japan* 7(2): 63–73.
- Abe, H. (1982). Ecological distributions of small mammals in central Nepal. *Mammalia* 46: 477–503.
- Acharya, P., H. Adhikari, S. Dahal, A. Thapa & S. Thapa (2010). *Bats of Nepal - A Field Guide*. Small Mammals Conservation and Research Foundation, New Baneshwor, Kathmandu, 114pp.
- Agrawal, V.C. & S. Chakraborty (1971). Notes on a collection of Small Mammals from Nepal, with a description of a new mouse-hare (Lagomorpha: Ochotonidae). *Proceedings of Zoological Society, Calcutta* 24(1): 41–46.
- Baral, H.S. & K.B. Shah (2008). *Wild Mammals of Nepal*. Himalayan Nature, Kathmandu, 158pp.
- Baral, H.S., K.B. Shah & J.W. Duckworth (2009). A clarification of the status of Indian Chevrotain *Moschiola indica* in Nepal. *Vertebrate Zoology* 59(2): 197–200.
- Bates, P.J.J. & D.L. Harrison (1997). *Bats of Indian Subcontinent*. Harrison Zoological Museum Publication, London, 258pp.
- Bell, D.J. (1986). A study of the Hispid Hare *Caprolagus hispidus* Royal Suklaphanta Wildlife Reserve, western Nepal: a summary report. *Dodo* 23: 24–31.
- Biswas, B. & H. Khajuria (1955). Zoological Results of the 'Daily Mail' Himalayan Expedition, 1954, four new mammals from Khumbu, Eastern Nepal. *Proceedings of the Zoological Society of Calcutta* 8: 26–29.
- Biswas, B. & H. Khajuria (1957). Zoological results of the 'Daily Mail' Himalayan Expedition 1954. Notes on some mammals of Khumbu, Eastern Nepal. *Proceedings of the Zoological Society of Calcutta, [Mukherjee Memorial Volume] Calcutta* 229–253.
- Blyth, E. (1844). Notices of various mammalia. *Journal of the Asiatic Society of Bengal* 13: 463–494.
- Brandon-Jones, D. (2004). A taxonomic revision of the langurs and leaf monkeys (Primates: Colobinae) of South Asia. *Zoos' Print Journal* 19(8): 1552–1594; <http://dx.doi.org/10.11609/JoTT.ZPJ.971.1552-94>

- Chakraborty, S., C. Srinivasulu, B. Srinivasulu, M.S. Pradhan & P.O. Nameer (2004). Checklist of insectivores (Mammalia: Insectivora) of South Asia. *Zoos' Print Journal* 19(2): 1361–1371; <http://dx.doi.org/10.11609/JoTT.ZPJ.19.2.1361-71>
- Chesemore, D.L. (1970). Notes on the mammals of southern Nepal. *Journal of Mammalogy* 51: 162–166.
- Corbet, G.B. & J.E. Hill (1992). *The Mammals of the Indomalayan Region*. Natural History Museum/OUP, 488pp.
- Csorba, G., P. Ujheli & N. Thomas (2003). *Horseshoe Bats of the World (Chiroptera: Rhinolophidae)*. Alana Books, 160pp.
- Csorba, G., S.V. Kruskop & A.V. Borissenko (1999). Recent records of bats (Chiroptera) from Nepal, with remarks on their natural history. *Mammalia* 63(1): 61–78.
- Daniel, M. & J. Hanzák (1985). Small mammals in eastern part of Nepal Himalaya. *Rozprawy Československé Akademie Ved* 95(8): 1–59.
- Duckworth, J.W., R.J. Timmins, B. Long, P. Yonzon, S. Robertson & T. Q. Phuong (2008). *Melogale personata*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Frick, F. (1969). Die Höhenstufenverteilung der nepalischen Säugetiere. *Saugetierkd. Mitt* 17(2): 161–173.
- Fry, T.B. (1925). Report No. 37a: Nepal. Bombay Natural History Society's Mammal Survey of India, Burma, and Ceylon. *Journal Bombay Natural History Society* 30: 525–530.
- Gray, J.E. (1846). Catalogue of the specimens and drawings of mammalia and birds of Nepal and Tibet presented by B.H. Hodgson, Esq., to the British Museum. London, 156pp.
- Gray, J.E. (1863). Catalogue of the specimens and drawings of mammals, birds, reptiles and fishes of Nepal and Thibet presented by B.H. Hodgson to the British Museum. Neuman, London, 156pp.
- Green, M.J.B. (1981). A check-list and some notes concerning the mammals of the Langtang National Park, Nepal. *Journal of the Bombay Natural History Society* 78(1): 77–87.
- Gregori, J. & B. Petrov (1976). Scientific results of the Yugoslav 1972 Himalaya expedition. Mammalia. *Razprave. Slovenska Akademija Znanosti in Umetnosti. Classis IV: Historia naturalis et medicina* 19(1): 1–20.
- Greuber, U.F. (1969). Tiergeographische, ökologische and bionomische Untersuchungen an kleinen Säugetieren in Ost-Nepal. In: Hellmich, W. (ed.). Khumbu Himal. Ergebnisse des Forschungsunternehmens Nepal Himalaya. Universitätsverlag Wagner Ges. M. B. H., Innsbruck-München 3(2): 149–312. [English summary].
- Groves, C.P. & S. Molur (2008). *Semnopithecus ajax*. The IUCN Red List of Threatened Species. Version 2014.1. <www.iucnredlist.org>. Downloaded on 15 July 2014.
- Harris, R.B. & D. Leslie (2008). *Bos mutus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Hinton, M.A.C. (1922a). Scientific results from the Mammal Survey. No. XXXIII. Note on *Soriculus nigrescens* and its subspecies. *Journal of the Bombay Natural History Society* 28: 1052–1055.
- Hinton, M.A.C. (1922b). Scientific results from the Mammal Survey. No. XXXIV. The house rats of Nepal. *Journal of the Bombay Natural History Society* 28: 1056–1066.
- Hinton, M.A.C. & T.B. Fry (1923). Report No. 37: Nepal. Bombay Natural History Society's Mammal Survey of India, Burma, and Ceylon. *Journal of the Bombay Natural History Society* 29: 399–428.
- Hodgson, B.H. (1832). On the Mammalia of Nepal. *Journal of the Asiatic Society of Bengal* 1: 335–349.
- Hodgson, B.H. (1834). On the Mammalia of Nepaul. *Proceedings of the Zoological Society of London* 95–99.
- Hodgson, B.H. (1835). Synopsis of the Vespertilionidae of Nepal. *Journal of the Asiatic Society of Bengal* 4: 699–701.
- Hodgson, B.H. (1836a). Synoptical description of sundry new animals, enumerated in the Catalogue of Nipalese Mammals. *Journal of the Asiatic Society of Bengal* 5: 231–238.
- Hodgson, B.H. (1836b). Notice of seven species of Vespertilionidae observed in the Central Region of Nepāl. *Proceedings of the Zoological Society of London*, 46pp.
- Hodgson, B.H. (1838). Classified catalogue of Nepalese Mammalia. *Annals and Magazine of Natural History* 1: 152–154.
- Hodgson, B.H. (1840). On the common Hare of the Gangetic Provinces, and of the Sub-Himalaya; with a slight notice of a strictly Himalayan species. *Journal of the Asiatic Society of Bengal* 9: 1183–1186.
- Hodgson, B.H. (1841a). New species of *Rhizomys* discovered in Nepal. *Calcutta Journal of Natural History* 2: 60–61.
- Hodgson, B.H. (1841b). Classified catalogue of mammals of Nepal, corrected to end of 1840, first printed in 1832. *Calcutta Journal of Natural History* 2: 212–221.
- Hodgson, B.H. (1841c). Notice of the Marmot of the Himalaya and of Tibet. *Journal of the Asiatic Society of Bengal* 10: 777–778.
- Hodgson, B.H. (1841d). Of a new species of *Lagomys* inhabiting Nepal, (with Plate,) - *Lagomys Nepalensis*, Nob. *Journal of the Asiatic Society of Bengal* 10: 854–855.
- Hodgson, B.H. (1842). Classified catalogue of mammals of Nepal. *Journal of the Asiatic Society of Bengal* 10: 907–916.
- Hodgson, B.H. (1843). Notice of two marmots inhabiting respectively the plains of Tibet and the Himalayan slopes near the snows, and also of a *Rhinolophus* of the central region of Nepal. *Journal of the Asiatic Society of Bengal* 12: 409–414.
- Hodgson, B.H. (1844a). Summary description of two new species of flying squirrel. *Journal of the Asiatic Society of Bengal* 13: 67–68.
- Hodgson, B.H. (1844b). Classified Catalogue of Mammals of Nepal, (corrected to the end of 1841 [1843], first printed in 1832). *Calcutta Journal of Natural History* 4: 284–294.
- Hodgson, B.H. (1845). On the rats, mice, and shrews of the central region of Nepal. *Annals and Magazine of Natural History* 15: 266–270.
- Hodgson, B.H. (1847). On a new species of *Plecotus*. *Journal of the Asiatic Society of Bengal* 16: 894–896.
- Hodgson, B.H. (1858a). On a new *Lagomys* and a new *Mustela* inhabiting the north region of Sikkim and the proximate parts of Tibet. *Journal of the Asiatic Society of Bengal* 26: 207–208.
- Hodgson, B.H. (1858b). Description of a new species of Himalayan mole *Talpa macrura*. *Journal of the Asiatic Society of Bengal* 27: 176.
- Hoffmann, R.S. (1987). A review of the systematics and distribution of Chinese red-toothed Shrews (Mammalia: Soricinae). *Acta Theriologica Sinica* 7: 100–139.
- Horsfield, T. (1855). Brief notices of Mammalia in Nepal. *Annals and Magazine of Natural History* 16: 101–114.
- Hutterer, R. (2005). Order Soricomorpha. In: Wilson D.E. & D.M. Reeder (eds.). *Mammal Species of the World. A Taxonomic and Geographic Reference, 3rd Edition*. The Johns Hopkins University Press, Baltimore, 2142pp.
- Ingles, J.M., P.N. Newton, M.R.W. Rands & C.G.R. Bowden (1980). The first record of a rare murine rodent *Diomys* and further records of three shrew species from Nepal. *Bulletin of the British Museum (Natural History)(Zoology)* 39(3): 205–211.
- IUCN (2013). IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Jnawali, S.R., H.S. Baral, S. Lee, K.P. Acharya, G.P. Upadhyay, M. Pandey, M., R. Shrestha, D. Joshi, B.R. Laminchhane, J. Griffiths, A.P. Khatiwada, N. Subedi & R. Amin. (compilers) (2011). The Status of Nepal Mammals: The National Red List Series, Department of National Parks and Wildlife Conservation, Kathmandu, Nepal, viii+266pp.
- Johnson, D.H., S.D. Ripley & K. Thonglongya (1980). Mammals from Nepal. *Journal of the Bombay Natural History Society* 77: 56–63.
- Kawamichi, T. (1968). Winter Behaviour of the Himalayan Pika, *Ochotona roylei*. *Journal of the Faculty of Science [Hokkaido University, Series VI, Zoology]* 16(4): 582–594.
- Kawamichi, T. (1971). Daily Activities and Social Pattern of two Himalayan Pikas, *Ochotona macrotis* and *O. roylei*, Observed at Mt. Everest. *Journal of the Faculty of Science [Hokkaido University, Series VI, Zoology]* 17(4): 587–609.
- Kock, D. (1996). Fledermause aus Nepal (Mammalia: Chiroptera). *Senckenbergiana biologia* 67(1–3): 37–42.
- Lekagul, B. & J.A. Mcneely (1977). *Mammals of Thailand*. Association

- for the Conservation of Wildlife. Thailand, 758pp.
- Majupuria, T.C. & R. Kumar [Majupuria] (2006).** *Wildlife and Protected Areas of Nepal [Resources and Management]*. S. Devi. Sharanpur, India, 427pp.
- Mallon, D.P. (2008).** *Panthalops hodgsonii*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Marshall, J.T. Jr. (1977).** A synopsis of Asian species of *Mus* (Rodentia: Muridae). *Bulletin of the American Museum of Natural History* 158: 173–220.
- Martens, J. & J. Niethammer (1972).** Die Waldmäuse (*Apodemus*) Nepals. *Zeitschrift für Säugetierkunde* 37(3): 144–154.
- Mekada, K., K. Koyasu, M. Harada, Y. Narita, K.C. Shrestha & S-I Oda (2001).** Faunal survey of small mammals in central Nepal, with reference to the distribution of the genus *Soriculus* (Insectivora, Mammalia). *Biogeography* 3: 33–40.
- Mitchell, R.M. (1975).** A checklist of Nepalese mammals (excluding bats). *Säugetierkundliche Mitteilungen* 23: 152–157.
- Mitchell, R.M. (1978a).** A checklist of Nepalese bats. *Säugetierkundliche Mitteilungen* 26(1): 75–78.
- Mitchell, R.M. (1978b).** The *Ochotona* (Lagomorpha: Ochotonidae) of Nepal. *Säugetierkundliche Mitteilungen* 26: 208–214.
- Mitchell, R.M. (1979).** The Sciurid rodents (Rodentia: Sciuridae) of Nepal. *Journal of Asian Ecology* 1: 21–28.
- Mitchell, R.M. (1980).** New records of bats (Chiroptera) from Nepal. *Mammalia* 44(3): 339–342.
- Mitchell, R. & F. Punzo (1976).** New mammal records from Nepal. *Journal of the Bombay Natural History Society* 73(1): 54–58.
- Mitchell, R. & F. Punzo (1977).** Ectoparasites of bats from Nepal. *Journal of the Bombay Natural History Society* 73(1): 84–87.
- Mitchell, R.M. & D.V. Derksen (1976).** Additional new mammal records from Nepal. *Mammalia* 40(1): 55–61.
- Mitchell, R.M. & F. Punzo (1975).** *Ochotona lama* sp. n. (Lagomorpha: Ochotonidae): a new pika from the Tibetan highlands of Nepal. *Mammalia* 39(3): 419–422.
- Molur, S., C. Srinivasulu, B. Srinivasulu, S. Walker, P.O. Nameer & L. Ravikumar (2005).** Status of South Asian Non-volant Small Mammals: Conservation Assessment and Management Plan (C.A.M.P.) Workshop Report. Zoo Outreach Organisation / CBSG-South Asia, Coimbatore, India.
- Molur, S., G. Marimuthu, C. Srinivasulu, S. Mistry, A. Hutson, P.J.J. Bates, S. Walker, K.P. Priya & A.R.B. Priya (2002).** Status of South Asian Chiroptera: Conservation Assessment and Management Plan (C.A.M.P.) Workshop Report. Zoo Outreach Organisation, Conservation Breeding Specialist Group South Asia and Wildlife Information & Liaison Development Society, Coimbatore, India.
- Molur, S. & P.O. Nameer. (2008a).** *Alticola roylei*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Molur, S. & P.O. Nameer (2008b).** *Crocidura pergrisea*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Molur, S. & P.O. Nameer (2008c).** *Mus platythrix*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Myers, P., J.D. Smith, H. Lama, B. Lama & K.F. Koopman (2000).** A recent collection of bats from Nepal, with notes on *Eptesicus dimissus*. *Zeitschrift für Säugetierkunde-International Journal of Mammalian Biology* 65(3): 149–156.
- Narayan, G., P. Deka & W. Oliver (2008).** *Porcula salvania*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Newton, P.N., M.R.W. Rands & C.G.R. Bowden (1990).** A collection of small mammals from eastern Nepal. *Mammalia* 54(2): 239–244.
- Niethammer, J. & J. Martens (1975).** Die Gattungen *Rattus* und *Maxomys* in Afghanistan und Nepal. *Zeitschrift für Säugetierkunde* 40: 325–355.
- Oliver, W.L.R. (1985).** The distribution and status of the Hispid Hare (*Caprolagus hispidus*) - with some additional notes on the Pigmy Hog (*Sus salvanius*). Wildlife Preservation Trust, Jersey, Channel Islands.
- Pearch, M.J. (2011).** A review of the biological diversity and distribution of small mammal taxa in the terrestrial ecoregions and protected areas of Nepal. *Zootaxa* 3072: 286.
- Sawada, I. & M. Harada (1995).** Cestode parasites from some Nepalese mountain shrews. *Japanese Journal of Parasitology* 44(3): 196–209.
- Schlitter, D., E. van der Straeten, G. Amori, R. Hutterer, B. Kryštufek, N. Yigit & G. Mitsain (2008).** *Apodemus sylvaticus*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Scully, J. (1887).** On the Chiroptera of Nepal. *Journal of the Asiatic Society of Bengal* 56: 233–259.
- Shrestha, T.K. (1997).** *Mammals of Nepal with Reference to those of India, Bangladesh, Bhutan and Pakistan*. Mrs. Bimala Shrestha. Kathmandu, Nepal, 371pp.
- Smith, A.T. & A.F. Boyer (2008).** *Ochotona thibetana*. IUCN .2010. IUCN Red List of Threatened Species. Version 2010. 4. <http://www.iucnredlist.org/> (downloaded on 28 May 2010).
- Smith, A. & Y. Xie (2008).** *The Mammals of China*. Princeton University Press, Princeton, New Jersey, 576pp.
- Suwal, R. & Y.J.M. Verheugt (1995).** *Enumeration of Mammals of Nepal*. Biodiversity Profiles Project Publication No. 6. Department of National Parks and Wildlife Conservation. Ministry of Forest and Soil Conservation. His Majesty's Government, Kathmandu, 218pp.
- Thapa, A., B.V. Dahal, N.P. Koju & S. Thapa (2011).** A Review on Pikas of Nepal. Small Mammals Conservation and Research Foundation, New Baneshwor, Kathmandu, Nepal.
- Thapa, S., P. Subedi, N.B. Singh & M.J. Pearch (2012).** The first record of *Scotozous dormeri* Dobson, 1875 from Nepal with new locality records of *Pipistrellus coromandra* (Gray, 1838) and *P. tenuis* (Temminck, 1840) (Chiroptera: Vespertilionidae). *Journal of Threatened Taxa* 4(4): 2481–2489; <http://dx.doi.org/10.11609/JoTT.o2906.2481-9>
- Thomas, O. (1924).** Scientific results from the Mammal Survey. No. 44. On a new field mouse from Nepal, with a note on the classification of the genus *Apodemus*. *Journal of the Bombay Natural History Society* 29: 888–889.
- Thomas, O. & M.A.C. Hinton (1922).** The mammals of the 1921 Mount Everest Expedition. *Annals and Magazine of Natural History* 9: 178–186.
- Timmons, R.J., B. Long, J.W. Duckworth, W. Ying-Xiang & T. Zaw (2008).** *Arctonyx collaris*. In: IUCN 2013. IUCN Red List of Threatened Species. Version 2013.1. <www.iucnredlist.org>. Downloaded on 09 July 2013.
- Weigel, I. (1969).** Systematische Übersicht über die Insektenfresser und Nager Nepals nebst Bemerkungen zur Tiergeographie. *Ergebnisse der Forschungsunternehmens NepalHimalaya* 3: 149–196.
- Wilson, D.E. & D.M. Reeder (eds.) (2005).** *Mammal Species of the World, 3rd Edition, Volume 1*. The John Hopkins University Press, Baltimore, MD, USA, 2142pp.
- Worth, R.M. & N.K. Shah (1969).** *Nepal Health Survey, 1965–1966*. University of Hawaii Press, Honolulu, USA. 158pp.
- Yonzon, P. (2004).** Mammals of Nepal. Resources Himalaya. http://www.resourcehimalaya.org/content_files/Mammals_sAnUmAn49e70198aa10a.pdf (downloaded on 2 January 2011).



Image 1. Orange-bellied Himalayan Squirrel *Dremomys lokriah*



Image 2. Red Giant Flying Squirrel *Petaurista petaurista*



Image 3. Himalayan Marmot *Marmota himalayana*



Image 5. Masked Palm Civet *Paguma larvata*



Image 4. Red Panda *Ailurus fulgens*



Image 6. Large-eared Pika *Ochotona macrotis*



Image 7. Mountain Weasel *Mustela altaica*



Image 8. Indian Hare *Lepus nigricollis*



Image 9. Yellow-bellied Weasel *Mustela kathiah*



Image 10. Fishing Cat *Prionailurus viverrinus*



Image 11. Least Leaf-nosed Bat *Hipposideros cineraceus*

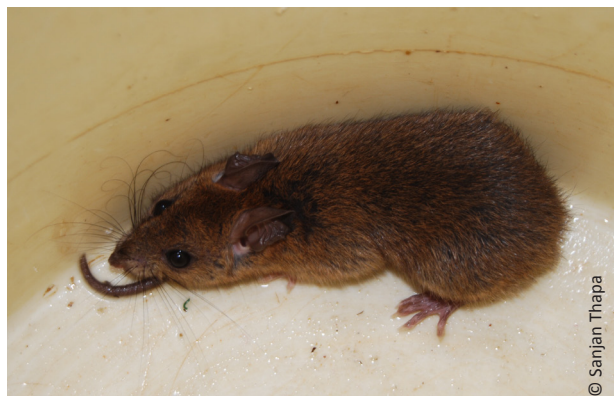


Image 12. Himalayan Rat *Rattus pyctoris*



Image 13. Crab-eating Mongoose *Herpestes urva*

