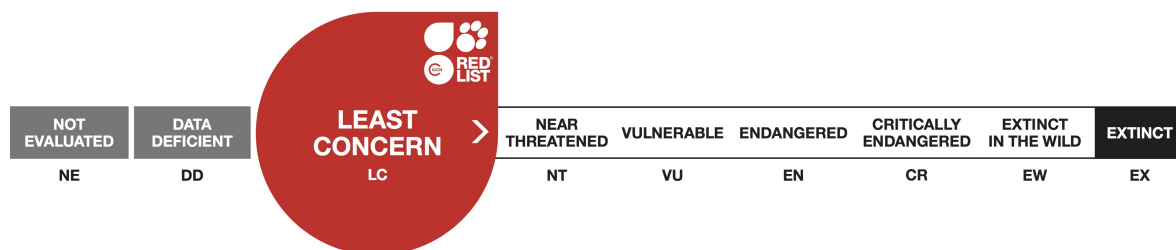


## *Herpestes ichneumon*, Egyptian Mongoose

Assessment by: Do Linh San, E., Maddock, A.H., Gaubert, P. & Palomares, F.



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**Citation:** Do Linh San, E., Maddock, A.H., Gaubert, P. & Palomares, F. 2016. *Herpestes ichneumon*. The IUCN Red List of Threatened Species 2016: e.T41613A45207211.

<http://dx.doi.org/10.2305/IUCN.UK.2016-1.RLTS.T41613A45207211.en>

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Mammalia	Carnivora	Herpestidae

**Taxon Name:** *Herpestes ichneumon* (Linnaeus, 1758)

**Synonym(s):**

- *Viverra ichneumon* Linnaeus, 1758

**Regional Assessments:**

- [Europe](#)
- [Mediterranean](#)

**Common Name(s):**

- English: Egyptian Mongoose, Large Grey Mongoose
- French: Mangouste d'Egypte, Mangouste ichneumon
- Spanish: Meloncillo

## Assessment Information

**Red List Category & Criteria:** Least Concern [ver 3.1](#)

**Year Published:** 2016

**Date Assessed:** February 27, 2016

**Justification:**

Listed as Least Concern as the species is widespread, common in at least part of its range, and present in many protected areas. There appear to have been some range and population increases in Europe in recent years, but these may be because of better observation and documentation.

**Previously Published Red List Assessments**

2008 – Least Concern (LC) – <http://dx.doi.org/10.2305/IUCN.UK.2008.RLTS.T41613A10509319.en>

1996 – Lower Risk/least concern (LR/lc)

## Geographic Range

**Range Description:**

This species is found mainly in sub-Saharan Africa, from Senegal and Gambia to East Africa, then southwards in Angola, Zambia, Malawi and Mozambique. It is present in Gabon only in the south, but Bahaa-el-din *et al.* (2013) recently recorded the species 105 km north of its previously known range. It is absent from much of southern Africa, but present in north-east Namibia, northern Botswana, northern and eastern Zimbabwe and all along the South African coastline (Palomares 2013). In North Africa, it ranges in a narrow coastal strip from Western Sahara to Tunisia, and also from northern and eastern Egypt southwards to Ethiopia (Palomares 2013). It has been reported to 3,000 m a.s.l. in the Ethiopian

highlands (Yalden *et al.* 1996). This species has not been introduced to Madagascar (Goodman 2012), contrary to what may have been suggested in some sources (e.g., Haltenorth and Diller 1980).

Extraliminally to the African mainland, this species is also found from the Sinai Peninsula to the south of Turkey (Delibes 1999), and on the Iberian Peninsula in southern and central Portugal (Borrinho *et al.* 1995) and south-western Spain (Delibes 1999). At the beginning of the 20th century, some records originated from the north-western part of the Iberian Peninsula (Delibes 1999). An individual was also recorded near Leon (Castile and Leon, Spain; Palacios *et al.* 1992). The Egyptian Mongoose was initially believed to have been introduced by humans into Europe, based on zoogeographical considerations (Delibes 1999) and on the grounds that the species is absent from the European fossil record, although late Pleistocene and Holocene fossils are known from North Africa (Dobson 1998). However, a recent molecular and phylogeographic study rather supported a scenario of sweepstake dispersal across the strait of Gibraltar during Late Pleistocene sea-level fluctuations, followed by long-term *in situ* evolution throughout the last glaciation cycles (Gaubert *et al.* 2011).

### **Country Occurrence:**

**Native:** Algeria; Angola (Angola); Benin; Botswana; Burkina Faso; Burundi; Cameroon; Central African Republic; Chad; Congo; Congo, The Democratic Republic of the; Côte d'Ivoire; Egypt; Eritrea; Ethiopia; Gabon; Gambia; Ghana; Guinea; Guinea-Bissau; Israel; Jordan; Kenya; Lebanon; Liberia; Libya; Malawi; Mali; Mauritania; Morocco; Mozambique; Namibia; Niger; Nigeria; Portugal; Rwanda; Senegal; Sierra Leone; Somalia; South Africa; Spain (Spain (mainland)); Sudan; Syrian Arab Republic; Tanzania, United Republic of; Togo; Tunisia; Turkey; Uganda; Western Sahara; Zambia; Zimbabwe

# Distribution Map

*Herpestes ichneumon*

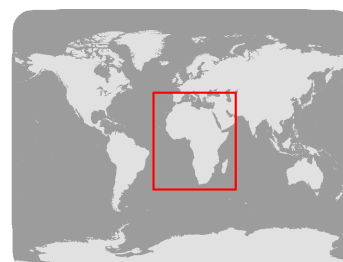


Range

Extant (resident)

Compiled by:

IUCN (International Union for Conservation of Nature)



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

## Population

On the African mainland, this species is widespread and locally common (Palomares 2013). Densities ranging from 0.1 (East Africa: Hendrichs 1972) to 1.2 individuals/km<sup>2</sup> (South Africa: Maddock 1988; southern Spain: Delibes 1999) have been recorded. In Europe numbers and range have increased in the last 35 years, in both Portugal and Spain, due to the reduction of its natural predators (Delibes 1999) and/or land-use and climate changes (Barros *et al.* 2015).

**Current Population Trend:** Stable

## Habitat and Ecology (see Appendix for additional information)

Mainly associated with habitats having understorey vegetation in coastal, lacustrine and riparian (streams, rivers, marsh, swamps) habitats (Palomares 2013). This species avoids humid forests and extreme deserts (Delibes 1999; Palomares 2013), except in DR Congo where a large series of records originate from rainforest (P. Gaubert pers. obs. 2001–2005). In tropical Africa, the Egyptian Mongoose occurs where there are termitaries, which Kingdon (1977) suggested could satisfy a need for secure shelter. In Europe, it is found in Mediterranean maquis, with a clear preference for humid and riparian habitats (Delibes 1999). Egyptian Mongooses have home ranges of about 3 km<sup>2</sup>, and are diurnal and omnivorous (Delibes 1999).

**Systems:** Terrestrial

## Threats (see Appendix for additional information)

There are no major threats to this species across its range, although in parts of its range it may be at risk from more localised threats. On the Iberian Peninsula, incidental and deliberate poisoning (e.g. by rodenticides) is a localised threat (F. Carvalho pers. comm. 2016). In Portugal stand hunting and hunting with dogs (flushing and inside burrows) are legal and can be practiced from October to February (F. Carvalho pers. comm. 2016). In addition, hunters may ask and obtain an exceptional authorization to trap and kill Egyptian mongooses between March and May (F. Carvalho pers. comm. 2016). In Spain, *H. ichneumon* is considered a pest by hunters, because of its presumed impact on small game species (Delibes 1999). In North Africa, this species is often protected by local people because it is valued as a predator of snakes (F. Cuzin and K. de Smet pers. comm. 2007).

## Conservation Actions (see Appendix for additional information)

Listed on Appendix III of the Bern Convention, and Annex V of the EU Habitats and Species Directive (Delibes 1999). This species is present in many protected areas across its range.

## Credits

**Assessor(s):** Do Linh San, E., Maddock, A.H., Gaubert, P. & Palomares, F.

**Reviewer(s):** Duckworth, J.W. & Hoffmann, M.

**Contributor(s):** Cavallini, P., Carvalho, F. & Pacifici, M.

## Bibliography

- Bahaa-el-din, L., Henschel, P., Aba'a, R., Abernethy, K., Bohm, T., Bout, N., Coad, L., Head, J., Inoue, E., Lahm, S., Lee, M. E., Maisels, F., Rabanal, L., Starkey, M., Taylor, G., Vanthomme, A., Nakashima, Y. and Hunter, L. 2013. Notes on the distribution and status of small carnivores in Gabon. *Small Carnivore Conservation* 48: 19-29.
- Barros, T., Carvalho, J., Pereira M.J.R., Ferreira, J.P. and Fonseca, C. 2015. Following the trail: factors underlying the sudden expansion of the Egyptian Mongoose (*Herpestes ichneumon*) in Portugal. *PLoS ONE* 10: e0133768.
- Borrhalho, R., Rego, F., Palomares, F. and Hora, A. 1995. The distribution of the Egyptian mongoose *Herpestes ichneumon* (L.) in Portugal. *Mammal Review* 25: 229-236.
- Delibes, M. 1999. *Herpestes ichneumon*. In: A.J. Mitchell-Jones, G. Amori, W. Bogdanowicz, B. Kryštufek, P.J.H. Reijnders, F. Spitzenberger, M. Stubbe, J.B.M. Thissen, V. Vohralík and J. Zima (eds), *The Atlas of European Mammals*, pp. 356-357. Academic Press, London, UK.
- Dobson, M. 1998. Mammal distributions in the western Mediterranean: the role of human intervention. *Mammal Review* 28: 77-88.
- Gaubert, P., Machordom, A., Morales, A., López-Bao, J.V., Veron, G., Amin, M., Barros, T., Basuony, M., Djagoun, C.A.M.S., Do Linh San, E., Fonseca, C., Geffen, E., Ozkurt, S.O., Cruaud, C., Couloux, A. and Palomares, F. 2011. Comparative phylogeography of two African carnivorans presumably introduced into Europe: disentangling natural versus human-mediated dispersal across the Strait of Gibraltar. *Journal of Biogeography* 38: 341-358.
- Goodman, S. 2012. *Les Carnivora de Madagascar*. Association Vahatra, Antananarivo, Madagascar.
- Holden, T. and Diller, H. 1980. *A field guide to the mammals of Africa including Madagascar*. Collins, London, UK.
- Hendrichs, H. 1972. Beobachtungen und Untersuchungen zur Ökologie und Ethologie, insbesondere zur sozialen Organisation ostafrikanischer Säugetiere. *Zeitschrift für Tierpsychologie* 30: 146-189.
- IUCN. 2016. The IUCN Red List of Threatened Species. Version 2016-1. Available at: [www.iucnredlist.org](http://www.iucnredlist.org). (Accessed: 30 June 2016).
- Kingdon, J. 1977. *East African Mammals: An Atlas of Evolution in Africa. Volume IIIA (Carnivores)*. Academic Press, London, UK.
- Maddock, A.H. 1988. Resource partitioning in a viverrid assemblage. Ph.D. Thesis, University of Natal.
- Palacios, F., Gisbert, J. and García-Perea, R. 1992. Has the mongoose *Herpestes ichneumon* survived in the Northwestern Iberian Peninsula? *Säugetierkundliche Mitteilungen* 34: 69-71.
- Palomares, F. 2013. *Herpestes ichneumon* Egyptian Mongoose (Ichneumon). In: J. Kingdon and M. Hoffmann (eds), *The Mammals of Africa. V. Carnivores, Pangolins, Equids and Rhinoceroses*, pp. 306-310. Bloomsbury, London, UK.
- Palomo, L.J. and Gisbert, J. 2002. Atlas de los mamíferos terrestres de España. Dirección General de Conservación de la Naturaleza. SECEM-SECEMU, Madrid, Spain.
- Yalden, D.W., Largen, M.J., Kock, D. and Hillman, J.C. 1996. Catalogue of the Mammals of Ethiopia and Eritrea. 7. Revised checklist, zoogeography and conservation. *Tropical Zoology* 9(1): 73-164.

## Citation

Do Linh San, E., Maddock, A.H., Gaubert, P. & Palomares, F. 2016. *Herpestes ichneumon*. *The IUCN Red List of Threatened Species 2016*: e.T41613A45207211. <http://dx.doi.org/10.2305/IUCN.UK.2016-1.RLTS.T41613A45207211.en>

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## External Resources

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# Appendix

## Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.6. Forest - Subtropical/Tropical Moist Lowland	-	Marginal	-
2. Savanna -> 2.1. Savanna - Dry	-	Suitable	-
3. Shrubland -> 3.5. Shrubland - Subtropical/Tropical Dry	-	Suitable	-
3. Shrubland -> 3.8. Shrubland - Mediterranean-type Shrubby Vegetation	-	Suitable	-
4. Grassland -> 4.5. Grassland - Subtropical/Tropical Dry	-	Suitable	-
5. Wetlands (inland) -> 5.1. Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	-	Suitable	-
5. Wetlands (inland) -> 5.2. Wetlands (inland) - Seasonal/Intermittent/Irregular Rivers/Streams/Creeks	-	Suitable	-
5. Wetlands (inland) -> 5.3. Wetlands (inland) - Shrub Dominated Wetlands	-	Suitable	-
5. Wetlands (inland) -> 5.4. Wetlands (inland) - Bogs, Marshes, Swamps, Fens, Peatlands	-	Suitable	-

## Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
12. Other options -> 12.1. Other threat	Ongoing	Minority (50%)	Negligible declines	Low impact: 4
	Stresses:	2. Species Stresses -> 2.1. Species mortality		
5. Biological resource use -> 5.1. Hunting & trapping terrestrial animals -> 5.1.3. Persecution/control	Ongoing	Minority (50%)	Negligible declines	Low impact: 4
	Stresses:	2. Species Stresses -> 2.1. Species mortality		

## Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: Yes

## Additional Data Fields



<b>Distribution</b>
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): >20,000
Lower elevation limit (m): 0
Upper elevation limit (m): 3000
<b>Population</b>
Population severely fragmented: No
<b>Habitats and Ecology</b>
Generation Length (years): 4

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