Supporting Information

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Forsyth, D. M., S. Comte, N. E. Davis, A. J. Bengsen, S. D. Côté, D. G. Hewitt, N. Morellet, and A. Mysterud. Methodology matters when estimating deer abundance: a global systematic review and recommendations for improvements. Journal of Wildlife Management

**S2. Sample Size (Number of Abundance and Density Estimates) by Deer Species and Region**

**Table S2.** Number of deer abundance and density estimates by species and region in articles published during 2004–2018. Nomenclature follows International Union for Conservation of Nature and Natural Resources [IUCN] (2019), and species are listed in descending order of number of estimates.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Common name | Scientific name |  |  | Region |  |  | Total | Cumulative proportion of total estimates |
|  |  | Europe | North America | South America | Asia | Australasia |  |  |
| White-tailed deer | *Odocoileus virginianus* | 0 | 1,001 | 0 | 0 | 0 | 1,001 | 0.26 |
| Red deer | *Cervus elaphus* | 411 | 228 | 0 | 98 | 24 | 761 | 0.46 |
| European roe deer | *Capreolus capreolus* | 461 | 0 | 0 | 10 | 0 | 471 | 0.58 |
| Reindeer/caribou | *Rangifer tarandus* | 286 | 2 | 0 | 22 | 0 | 310 | 0.66 |
| Moose | *Alces alces* | 148 | 113 | 0 | 3 | 0 | 264 | 0.73 |
| Mule deer | *Odocoileus hemionus* | 0 | 195 | 0 | 0 | 0 | 195 | 0.78 |
| Sika deer | *Cervus nippon* | 1 | 16 | 0 | 149 | 0 | 166 | 0.82 |
| Fallow deer | *Dama dama* | 113 | 8 | 0 | 0 | 0 | 121 | 0.85 |
| Wapiti | *Cervus canadensis* | 0 | 98 | 0 | 0 | 0 | 98 | 0.88 |
| Siberian roe deer | *Capreolus pygargus* | 0 | 0 | 0 | 91 | 0 | 91 | 0.90 |
| Marsh deer | *Blastocerus dichotomus* | 0 | 0 | 73 | 0 | 0 | 73 | 0.92 |
| Père David’s deer | *Elaphurus davidianus* | 0 | 0 | 0 | 62 | 0 | 62 | 0.94 |
| Red muntjac | *Muntiacus muntjak* | 0 | 0 | 0 | 48 | 0 | 48 | 0.95 |
| Reeves’ muntjac | *Muntiacus reevesi* | 38 | 0 | 0 | 0 | 0 | 38 | 0.96 |
| Pampas deer | *Ozotoceros bezoarticus* | 0 | 0 | 27 | 0 | 0 | 27 | 0.96 |
| Chital deer | *Axis axis* | 0 | 0 | 0 | 25 | 0 | 25 | 0.97 |
| Sambar deer | *Rusa unicolor* | 0 | 0 | 0 | 25 | 0 | 25 | 0.98 |
| Gray brocket | *Mazama gouazoubira* | 0 | 0 | 18 | 0 | 0 | 18 | 0.98 |
| Hog deer | *Axis porcinus* | 0 | 0 | 0 | 10 | 6 | 16 | 0.99 |
| Red brocket | *Mazama americana* | 0 | 2 | 12 | 0 | 0 | 14 | 0.99 |
| Bawean deer | *Axis kuhlii* | 0 | 0 | 0 | 14 | 0 | 14 | 0.99 |
| Rusa deer | *Rusa timorensis* | 0 | 0 | 0 | 11 | 0 | 11 | 1.00 |
| Tufted deer | *Elaphodus cephalophus* | 0 | 0 | 0 | 4 | 0 | 4 | 1.00 |
| Water deer | *Hydropotes inermis* | 0 | 0 | 0 | 3 | 0 | 3 | 1.00 |
| Patagonian huemul | *Hippocamelus bisulcus* | 0 | 0 | 3 | 0 | 0 | 3 | 1.00 |
| barasingha | *Rucervus duvaucelii* | 0 | 0 | 0 | 2 | 0 | 2 | 1.00 |
| Eld’s deer | *Panolia eldii* | 0 | 0 | 0 | 1 | 0 | 1 | 1.00 |
| Total |  | 1,458 | 1,663 | 133 | 578 | 30 | 3,862a |  |
| Proportion |  | 0.38 | 0.43 | 0.03 | 0.15 | 0.01 | 1.00 |  |

aEight estimates were given for more than one deer species combined (Asia, *n* = 2 estimates; Europe, *n* = 3 estimates; and North America, *n* = 3 estimates) and these are not included here.

**Literature Cited**

International Union for Conservation of Nature and Natural Resources [IUCN]. 2019. The IUCN red list of threatened species. Version 2019-3. <<http://www.iucnredlist.org>>. Accessed 10 Dec 2019.