**Supplementary Appendix Table** 1. Extant bovid species habitat assignments

|  |  |  |  |
| --- | --- | --- | --- |
| Species | 5 Habitat | 4 Habitat | 3 Habitat |
| Addax nasomaculatus | G/T | O | O |
| Aepyceros melampus | LWB | LC | INT |
| Alcelaphus buselaphus | WBG | O | O |
| Alcelaphus lichtensteinii | LWB | LC | INT |
| Antidorcas marsupialis | WBG | O | O |
| Beatragus hunteri | WBG | O | O |
| Cephalophus dorsalis | F | F | C |
| Cephalophus leucogaster | F | F | C |
| Cephalophus natalensis | F | F | C |
| Cephalophus nigrifrons | F | F | C |
| Cephalophus silvicultor | F | F | C |
| Cephalophus weynsi | F | F | C |
| Connochaetes gnou | G/T | O | O |
| Connochaetes taurinus | G/T | O | O |
| Damaliscus korrigum | G/T | O | O |
| Damaliscus pygargus | G/T | O | O |
| Dorcatragus megalotis | G/T | O | O |
| Eudorcas rufifrons | WBG | O | O |
| Eudorcas thomsonii | WBG | O | O |
| Gazella cuvieri | LWB | LC | INT |
| Gazella dorcas | G/T | O | O |
| Gazella spekei | WBG | O | O |
| Gazella subgutturosa | G/T | O | O |
| Hippotragus equinus | WBG | O | O |
| Hippotragus niger | LWB | LC | INT |
| Kobus ellipsiprymnus | HWB | HC | INT |
| Kobus kob | LWB | LC | INT |
| Kobus leche | LWB | LC | INT |
| Kobus megaceros | LWB | LC | INT |
| Kobus vardonii | LWB | LC | INT |
| Litocranius walleri | LWB | LC | INT |
| Madoqua guentheri | WBG | O | O |
| Madoqua kirkii | HWB | HC | INT |
| Madoqua saltiana | HWB | HC | INT |
| Nanger dama | WBG | O | O |
| Nanger soemmerringii | WBG | O | O |
| Neotragus batesi | HWB | HC | INT |
| Neotragus moschatus | HWB | HC | INT |
| Neotragus pygmaeus | HWB | HC | INT |
| Oreotragus oreotragus | WBG | O | O |
| Oryx beisa | WBG | O | O |
| Oryx gazella | WBG | O | O |
| Ourebia ourebi | WBG | O | O |
| Pelea capreolus | WBG | O | O |
| Philantomba monticola | F | F | C |
| Raphicerus campestris | WBG | O | O |
| Raphicerus sharpei | LWB | LC | INT |
| TABLE A1 (Continued)  Redunca arundinum | LWB | LC | INT |
| Redunca fulvorufula | LWB | LC | INT |
| Redunca redunca | LWB | LC | INT |
| Sylvicapra grimmia | LWB | LC | INT |
| Tragelaphus eurycerus | F | F | C |
| Tragelaphus imberbis | HWB | HC | INT |
| Tragelaphus scriptus | HWB | HC | INT |
| Tragelaphus spekii | HWB | HC | INT |
| Tragelaphus strepsiceros | HWB | HC | INT |
|  |  |  |  |

In the five habitat system (5 Habitat) the abbreviations are as follows: (G/T) grassland/tree-less, (WBG) wooded-bushed grassland, (LWB) light woodland-bushland, (HWB) heavy woodland-bushland, (F) forest. In the four habitat system (4 Habitat) the abbreviations are: (O) open, (LC) light cover, (HC) heavy cover, (C) closed. In the three habitat system (3 Habitat) the abbreviations are: (O) open, (INT) intermediate cover, (C) closed. References consulted for habitat assignments are: Kingdon (2015), Nowak (1999) and MacDonald (2001).