

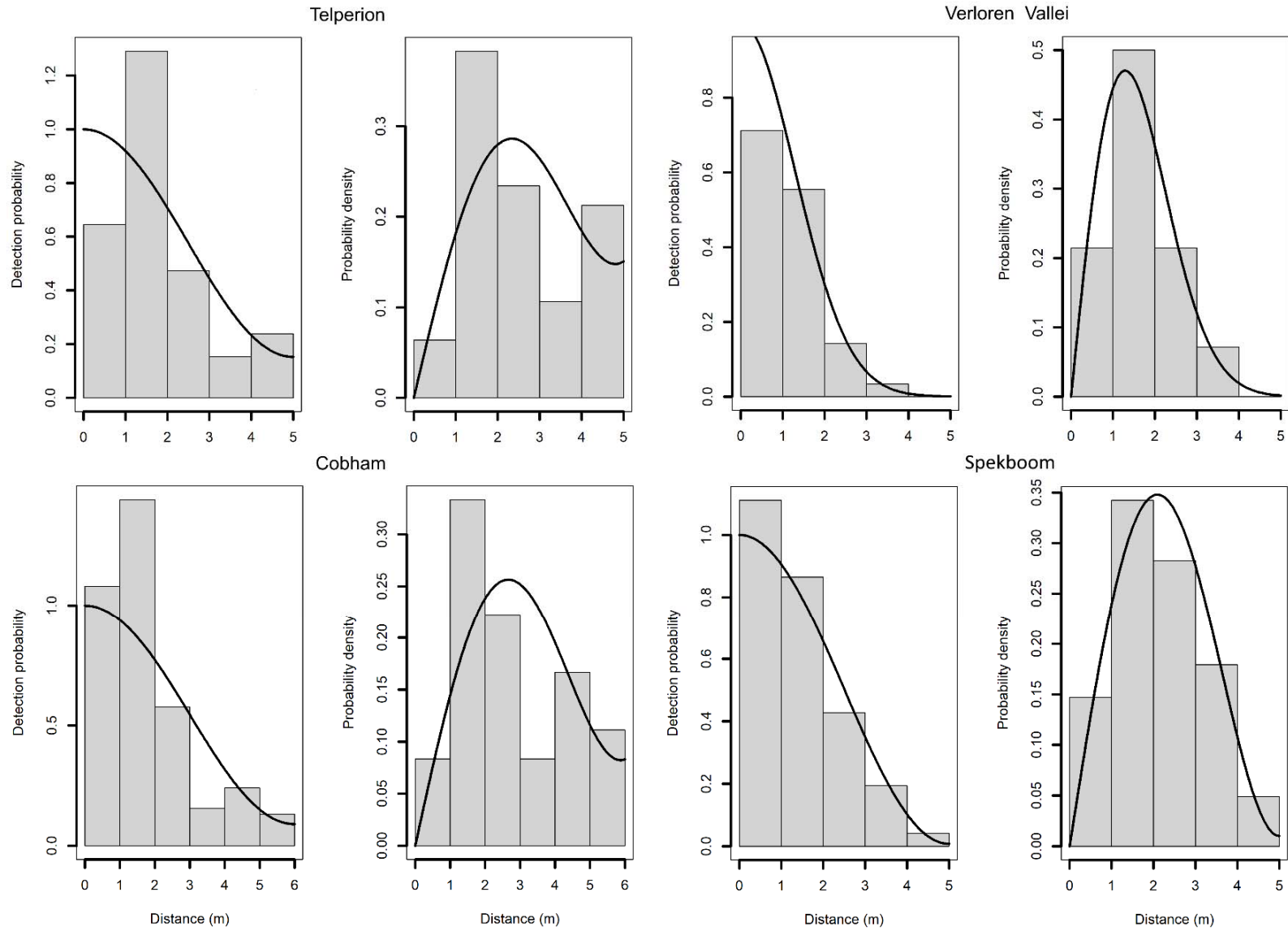
Camera trap-based estimates reveal spatial variability in African clawless otter population densities and behaviour

CANDICE B. LEWIS, TSHEPISO L. MAJELANTLE, NATALIE S. HAUSSMANN AND TREVOR MCINTYRE

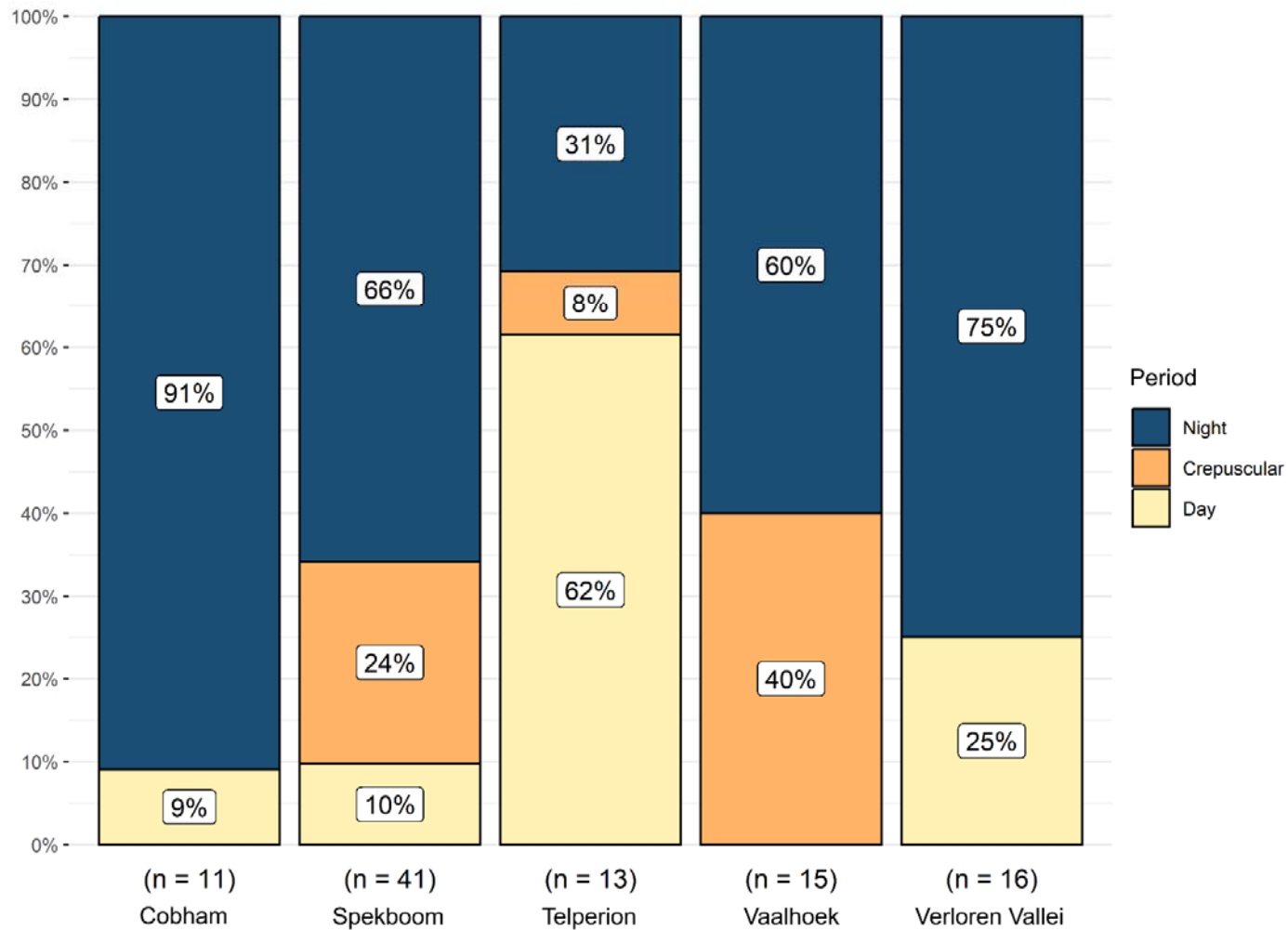
Supplementary material is published as supplied by the authors. It is not checked for accuracy, copyedited, typeset or proofread. The responsibility for accuracy and file functionality remains with the authors.

SUPPLEMENTARY TABLE 1 Synopsis of the African clawless otter *Aonyx capensis* population density estimates from random encounter models and camera-trap distance sampling, as well as Relative Abundance Indices (RAI). Standard errors (SE) derived from bootstrapping are given, as well as analytical standard errors for camera-trap distance sampling.

| Study area | Random encounter models | | | Camera-trap distance sampling | | | Analytical SE | RAI Abundance |
|-----------------|----------------------------|-----------------------|------------------|-----------------------------------|-----------------------|------------------|---------------|---------------|
| | Density (km ²) | Density (x otters/km) | Bootstrapping SE | Density (otters/km ²) | Density (x otters/km) | Bootstrapping SE | | |
| Telperion | 0.901 | 0.09 | 0.04 | 0.656 | 0.07 | 0.50 | 0.32 | 1.40 |
| Verloren Vallei | 1.876 | 0.19 | 0.04 | 0.770 | 0.08 | 0.53 | 0.34 | 1.94 |
| Cobham | 0.705 | 0.07 | 0.04 | 0.541 | 0.05 | 0.35 | 0.21 | 1.27 |
| Spekboom | 4.192 | 0.42 | 0.11 | 4.045 | 0.40 | 2.13 | 2.31 | 5.19 |
| Vaalhoek | 2.010 | 0.20 | 0.15 | - | - | - | - | 3.59 |
| Sandfontein | - | - | - | - | - | - | - | 3.12 |



SUPPLEMENTARY FIG. 1 Detection probability and probability density functions for the camera-trap distance sampling models selected for estimating otter population density at each of the study areas.



SUPPLEMENTARY FIG. 2 Classification of African clawless otter activity periods at each study area, derived from camera trap records.