

Appendix S1 for:

Fidino, M, Lehrer, E. W., Kay, C. A. M., Yarmey, N., Murray, M. H., Fake, K., Adams, H. C., & Magle, S. B. Integrated species distribution models reveal spatiotemporal patterns of human–wildlife conflict. *Ecological Applications*

Camera trap settings

Table S1. Camera trap settings for this study

Settings	Values
Models	Bushnell Trophy Cam Standard Edition and HD models
Mode	Camera
Image size	5M pixel
Capture number	1 photo
Video size	NA
Video length	NA
Interval between captures	30 seconds
Sensor level	Normal
Format	Execute (format memory card every time before deploying cameras or replacing memory cards)
TV out	NTSC
Time stamp	On
Set clock	24 hour, year-month-day America/Chicago timezone
Field scan	Off
Video sound	NA
Default set	Cancel

Figures

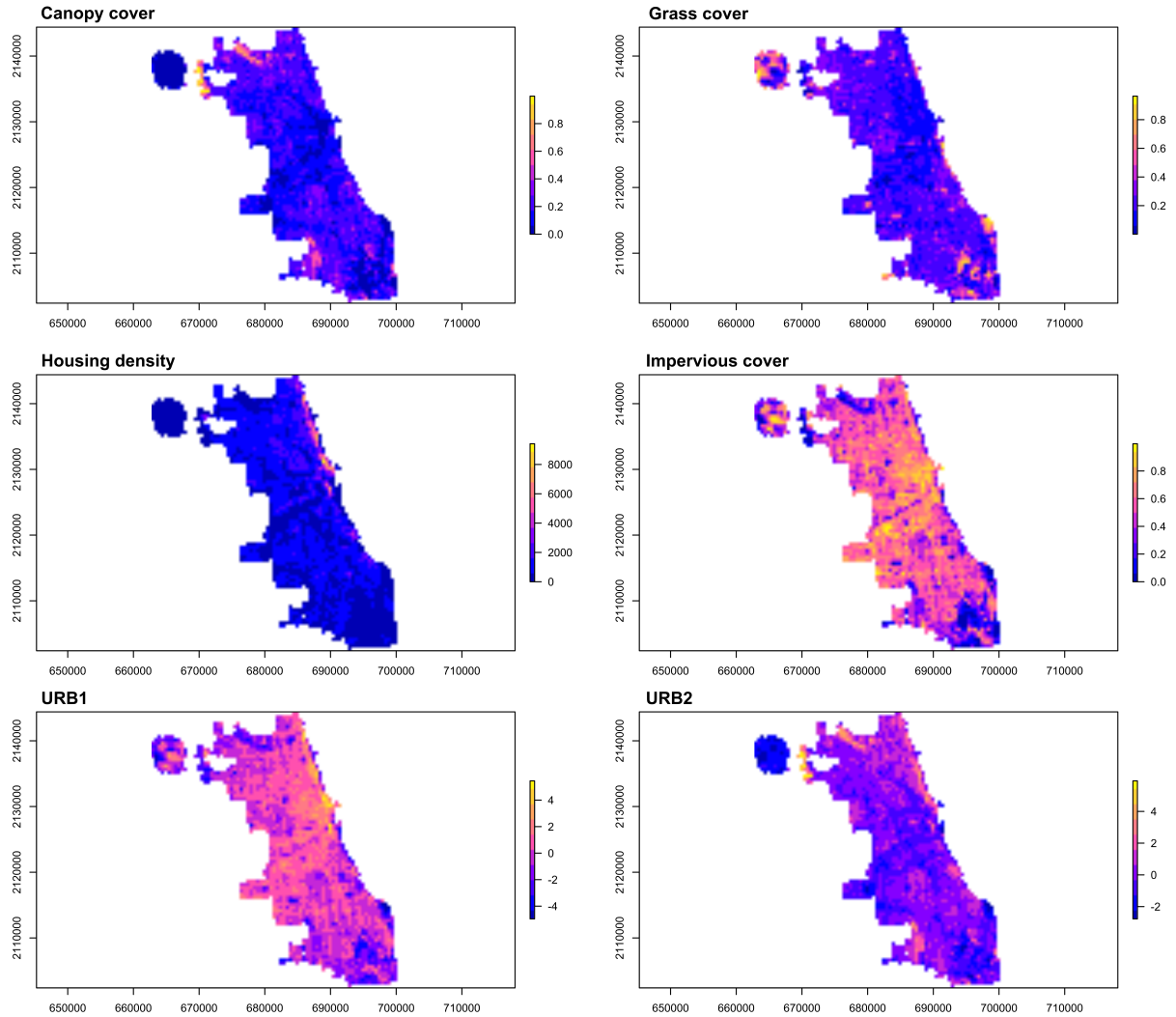


Figure S1. The four environmental variables used to construct the two urban intensity metrics that were derived via Principal Components Analysis, as well as the two urban intensity metrics. The loadings of the first metric, URB1, were canopy (-0.28), grass (-0.58), impervious (0.67), and housing density (0.39). Thus, this metric represented a gradient of urban intensity. Negative values of URB1 represented portions of the Chicago landscape high in canopy and grass cover while positive values were areas with high levels of impervious cover and housing density. The loadings of the second metric, URB2, were canopy (0.82), grass (-0.29), impervious (-0.18), and housing density (0.46). As such, URB2 separated areas of grass or impervious cover when negative from areas with tree cover and houses when positive.

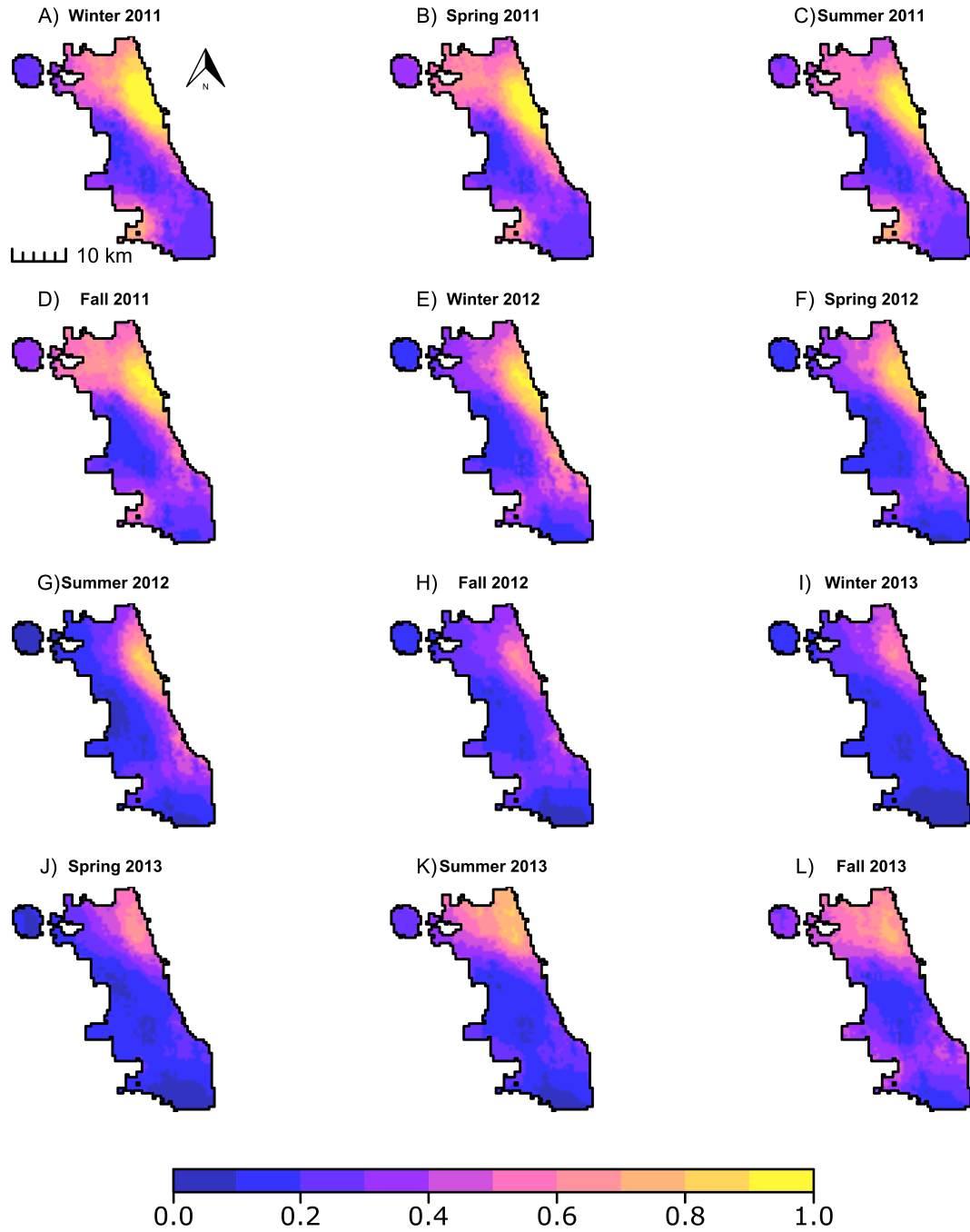


Figure S2. The estimated occupancy of coyote (*Canis latrans*) from the integrated occupancy model for each sampling period throughout Chicago, Illinois, USA.

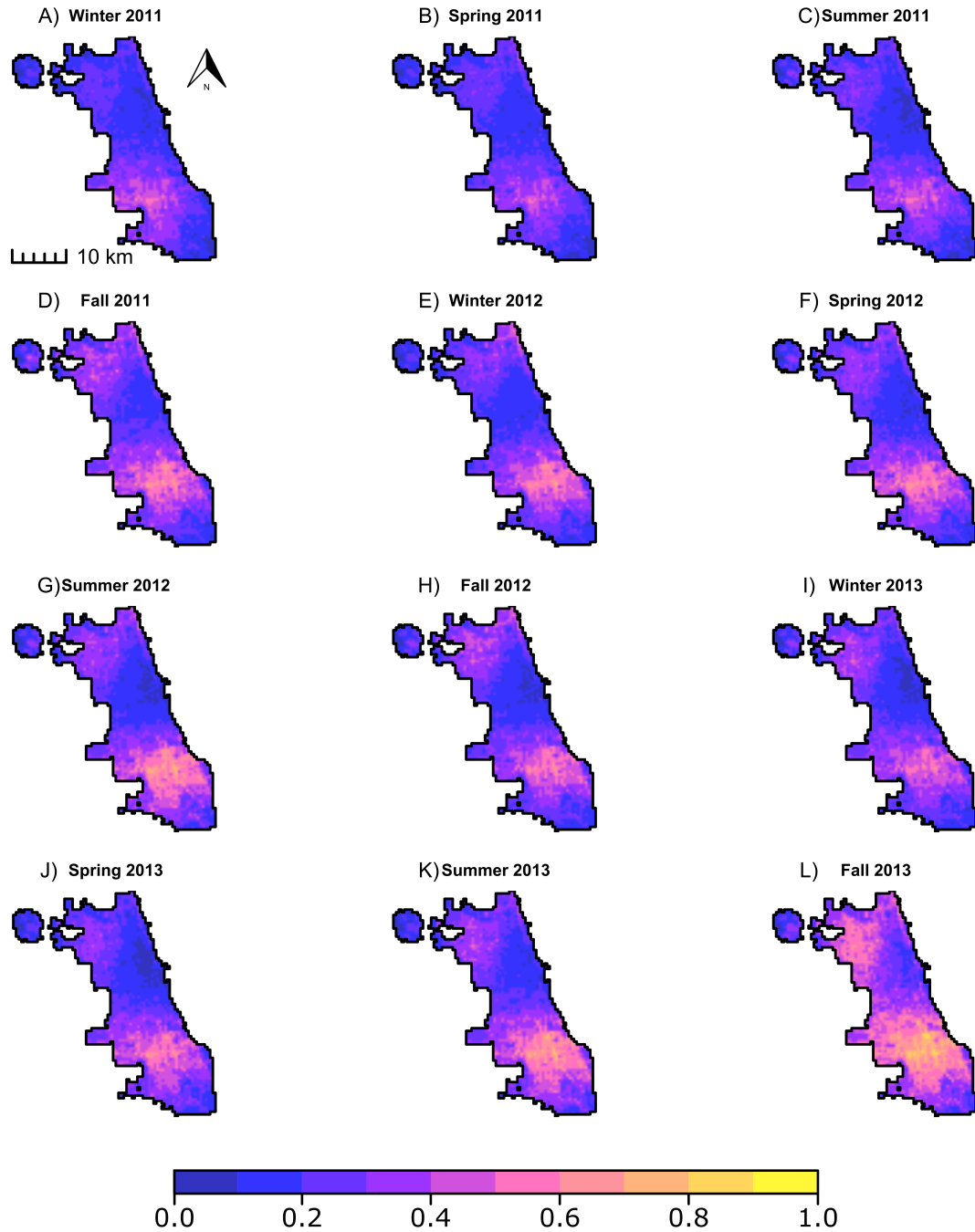


Figure S3. The estimated occupancy of Virginia opossum (*Didelphis virginiana*) from the integrated occupancy model for each sampling period throughout Chicago, Illinois, USA.

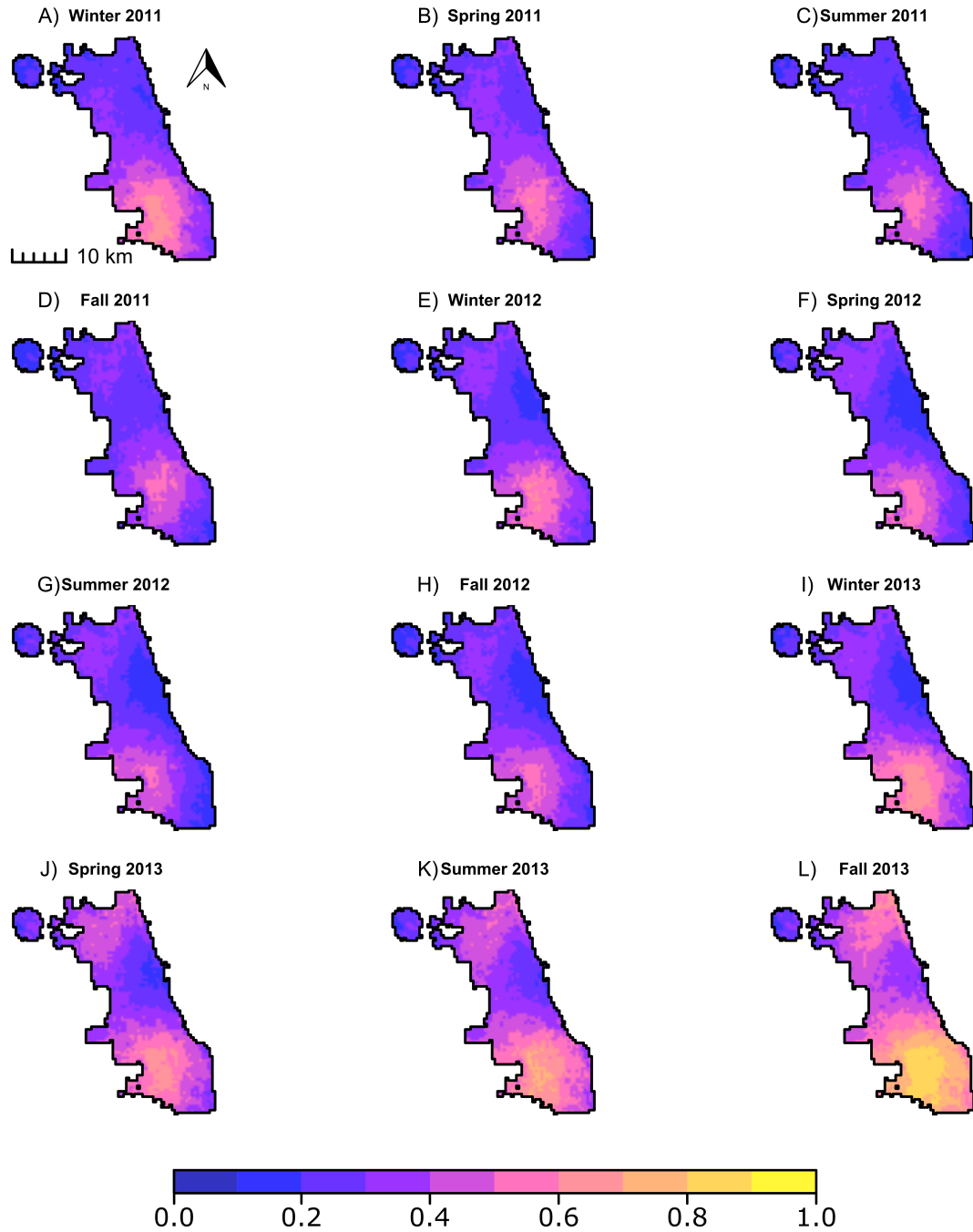


Figure S4. The estimated occupancy of raccoon (*Procyon lotor*) from the integrated occupancy model for each sampling period throughout Chicago, Illinois, USA.