

S2 Table. Environmental variables included in the analyses

| Variable | Description |
|---------------------------------|--|
| Land cover: | |
| - developed low | Developed open space and developed low intensity* |
| - developed high | Developed medium intensity and developed high intensity* |
| - deciduous forest | Deciduous forest* |
| - evergreen forest | Evergreen forest* |
| - mixed forest | Mixed forest* |
| - shrub | Shrub/scrub* |
| - grassland | Grassland/herbaceous* |
| - crop | Pasture/ hay and cultivated crops* |
| - woody wetland | Woody wetland* |
| - herbaceous wetland | Emergent Herbaceous Wetlands* |
| - barren | Barren land* |
| - open water | Open water* |
| Distance to the forest edge (m) | Distance to deciduous, evergreen and mixed forest*. Positive values from inside the forest, and negative values from outside of the forest |
| Proportion of urban area (%) | % of developed high, medium and low intensity* within a 240 m radius circle from each 30m grid cell |
| Landscape heterogeneity | Number of different land cover types within a 240 m radius circle from each 30m grid cell |
| Distance to roads (m) | Distance from each grid cell to highways and paved roads [#] |

*Classes correspond to the classification of the National Land Cover Database 2011 legend (Jin et al. 2011, NLCD11)

[#]Classification as provided by the United State Census Bureau (2011)

References

Jin S, Yang L, Danielson P, Homer C, Fry J, Xian G. A comprehensive change detection method for updating the National Land Cover Database to circa 2011. *Remote Sens Environ.* 2013;132: 159–175.

NLCD11. National Land Cover Database 2011. Available:

<http://www.mrlc.gov/nlcd2011.php>

United States Census Bureau. TIGER/Line® Shapefiles and TIGER/Line® Files. 2011;

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