Table S1. Summary of model environmental covariates and terms used in manuscript.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | ***Plot/parcel*** | |  |  | ***Neighborhood*** | | | |
| **Covariate/Term** | **Description** | **Min** | **Max** | **Mean** | **SD** | **Min** | **Max** | **Mean** | **SD** |
| **Terms** |  |  |  |  |  |  |  |  |  |
| Conservation zone | Habitat type characterized by a particular mix of biophysical attributes (e.g., grass, impervious surface, tree canopy cover) to which conservation actions can be targeted |  |  |  |  |  |  |  |  |
| Parcel | Home plus associated land (e.g., gardens, yards) |  |  |  |  |  |  |  |  |
| Plot | Songbird survey plot |  |  |  |  |  |  |  |  |
| Neighborhood | 250-m area surrounding parcels and plots |  |  |  |  |  |  |  |  |
| **Environmental covariates** | |  |  |  |  |  |  |  |  |
| ***Land cover*** |  |  |  |  |  |  |  |  |  |
| Water | Water (%) | 0.00 | 48.00 | 0.44 | 2.13 | 0.00 | 45.00 | 1.18 | 3.01 |
| Wetland | Wetland (%) | 0.00 | 58.40 | 0.15 | 1.72 | 0.00 | 13.00 | 0.20 | 0.72 |
| Grass | Grass cover (%) | 0.00 | 100.00 | 29.07 | 22.56 | 0.00 | 94.10 | 27.45 | 13.15 |
| Agriculture | Row crop (%) | 0.00 | 82.95 | 0.76 | 4.24 | 0.00 | 63.32 | 3.06 | 6.86 |
| Built | Buildings/pavement (%) | 0.00 | 100.00 | 27.89 | 16.49 | 0.00 | 99.97 | 71.43 | 28.01 |
| ***Urban forest*** |  |  |  |  |  |  |  |  |  |
| Canopy | Tree canopy cover (%) | 0.00 | 94.88 | 17.52 | 19.03 | 0.00 | 81.00 | 17.89 | 12.65 |
| Mean tree height | Mean tree height (m) | 0.00 | 29.88 | 9.88 | 5.23 | 5.51 | 19.90 | 12.20 | 2.09 |
| Tree HSD | Standard deviation of tree height, an indicator of vertical structure of woody vegetation | 0.00 | 17.85 | 2.90 | 2.62 | 1.77 | 6.31 | 4.01 | 0.56 |
| ***Landscape*** |  |  |  |  |  |  |  |  |  |
| Cohesion forest | Cohesion of forest (0-100, higher values indicate greater cohesion) | 0.00 | 100.00 | 66.85 | 37.54 | 77.58 | 99.99 | 97.49 | 2.63 |
| Cohesion grass | Cohesion of grass (0-100, higher values indicate greater cohesion) | 0.00 | 100.00 | 87.46 | 20.22 | 81.73 | 99.86 | 96.77 | 2.20 |
| Cohesion built | Cohesion of built/paved (0-100, higher values indicate greater cohesion) | 0.00 | 100.00 | 91.91 | 17.87 | 76.44 | 99.99 | 99.41 | 1.35 |
| Simpson | Simpson's diversity index for land cover (0-1, higher values indicate more diverse land-cover patch types and more even distribution among them) | 0.00 | 1.00 | 0.52 | 0.16 | 0.07 | 0.77 | 0.63 | 0.09 |