Table S1. Variance inflation factors (VIF; first column) and a matrix of pairwise correlation coefficients (Pearson r) between forest characteristics and land-use covariates in modeling patch use by fishers (*Pekania pennanti*) across Pennsylvania, USA, 2007-2008. Large variance inflation factors (VIF > 4.00) and strong correlation coefficients (|r| > 0.70) are in bold. Correlation coefficients of moderate strength (|r| > 0.50) are italicized.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Covariatea** | VIF | Density of edge habitat | Density of local roads | Density of major roads | Proportion of forest | Proportion of developed land | Proportion of mixed forest | Proportion of sparse canopy | Proportion of medium canopy | Proportion of privately-owned land | Proportion of publicly owned land without timber harvest | Proportion of publicly owned land with timber harvest |
| Density of edge habitat | **5.54** | 1 |  |  |  |  |  |  |  |  |  |  |
| Density of local roads | 1.85 | -0.38 | 1 |  |  |  |  |  |  |  |  |  |
| Density of major roads | 1.58 | 0.09 | 0.00 | 1 |  |  |  |  |  |  |  |  |
| Proportion of forest | **5.49** | **-0.82** | 0.23 | -0.31 | 1 |  |  |  |  |  |  |  |
| Proportion of developed land | 3.19 | 0.18 | 0.34 | 0.37 | -0.46 | 1 |  |  |  |  |  |  |
| Proportion of mixed forest | 1.69 | -0.23 | -0.07 | 0.03 | 0.16 | -0.05 | 1 |  |  |  |  |  |
| Proportion of sparse canopy | 2.70 | 0.05 | 0.41 | 0.00 | -0.31 | *0.59* | -0.01 | 1 |  |  |  |  |
| Proportion of medium canopy | 2.50 | 0.44 | -0.13 | -0.30 | -0.25 | -0.19 | -0.24 | 0.21 | 1 |  |  |  |
| Proportion of privately-owned land | 2.01 | -0.09 | 0.32 | 0.14 | -0.10 | *0.52* | -0.14 | 0.34 | -0.20 | 1 |  |  |
| Proportion of publicly owned land without timber harvest | 3.33 | 0.26 | -0.25 | -0.25 | -0.10 | -0.26 | 0.36 | -0.08 | 0.45 | *-0.56* | 1 |  |
| Proportion of publicly owned land with timber harvest | 2.33 | -0.49 | -0.06 | -0.04 | 0.48 | -0.27 | -0.09 | -0.32 | -0.31 | 0.14 | *-0.50* | 1 |

a Description of covariates can be found in Table 2.