Table S4. Parameter estimates from best-fit, indicator-community species richness models (\*p<0.05, \*\*p<0.01, \*\*\*0<0.001).

|  | **High-intensity** | |  | **Moderate-intensity grass** | | |  | **Low-intensity mixed** | | |  | **Low-intensity grass** | | |  | **Low-intensity canopy** | | |  | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Estimate** | **SE** |  | **Estimate** | **SE** |  |  | **Estimate** | **SE** | **z** |  | **Estimate** | **SE** | **z** |  | **Estimate** | **SE** | **z** |  |
| ***Abundance (log-scale)*** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Intercept | 1.080 | 0.140 | \*\*\* | 1.292 | 0.169 | \* |  | 0.911 | 0.115 | 7.910 | \*\*\* | 0.377 | 0.105 | 3.580 | \*\*\* | 1.897 | 0.187 | 10.140 | \*\*\* |
| ***Parcel*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Grass | -0.195 | 0.060 | \*\* | -0.413 | 0.134 | \*\* |  |  |  |  |  |  |  |  |  | -1.220 | 0.115 | -10.630 | \*\*\* |
| Agriculture | -0.045 | 0.021 | \* |  |  |  |  | -0.020 | 0.010 | -1.910 | . |  |  |  |  | -0.101 | 0.027 | -3.680 | \*\*\* |
| Built |  |  |  | -0.330 | 0.187 | . |  |  |  |  |  |  |  |  |  | -1.663 | 0.169 | -9.850 | \*\*\* |
| Water |  |  |  | -0.149 | 0.078 | . |  | 0.184 | 0.050 | 3.720 | \*\*\* |  |  |  |  | -0.397 | 0.069 | -5.770 | \*\*\* |
| Wetland |  |  |  | -0.208 | 0.081 | \*\* |  |  |  |  |  |  |  |  |  | -0.239 | 0.048 | -4.950 | \*\*\* |
| Tree htsd |  |  |  |  |  |  |  |  |  |  |  | -0.206 | 0.069 | -2.990 | \*\* |  |  |  |  |
| Cohgrass | 0.227 | 0.078 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cohbuilt |  |  |  | 0.139 | 0.076 | . |  |  |  |  |  | -0.113 | 0.056 | -2.020 | \* |  |  |  |  |
| Cohfor | -0.102 | 0.048 | \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Simpson |  |  |  | 0.159 | 0.078 | \* |  | 0.203 | 0.064 | 3.170 | \*\* |  |  |  |  |  |  |  |  |
| *250-m* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Grass |  |  |  |  |  |  |  | -0.217 | 0.064 | -3.400 | \*\*\* |  |  |  |  |  |  |  |  |
| Agriculture |  |  |  | -0.202 | 0.057 | \*\*\* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Built |  |  |  | -0.417 | 0.118 | \*\*\* |  | -0.603 | 0.105 | -5.770 | \*\*\* | -0.289 | 0.110 | -2.630 | \*\* |  |  |  |  |
| Water |  |  |  | -0.107 | 0.054 | \* |  | -0.339 | 0.069 | -4.940 | \*\*\* |  |  |  |  |  |  |  |  |
| Canopy | -0.213 | 0.100 | \* |  |  |  |  | 0.184 | 0.083 | 2.220 | \* |  |  |  |  | 0.172 | 0.093 | 1.850 | . |
| Tree ht | 0.171 | 0.104 | . | -0.138 | 0.070 | \* |  | -0.248 | 0.081 | -3.070 | \*\* |  |  |  |  | 0.184 | 0.104 | 1.780 | . |
| Tree htsd | -0.158 | 0.073 | \* |  |  |  |  |  |  |  |  |  |  |  |  | -0.263 | 0.079 | -3.330 | \*\*\* |
| Cohgrass |  |  |  |  |  |  |  |  |  |  |  | 0.306 | 0.094 | 3.270 | \*\* | 0.135 | 0.062 | 2.190 | \* |
| Cohfor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.731 | 0.202 | 3.630 | \*\*\* |
| Simpson |  |  |  | 0.141 | 0.077 | . |  | 0.312 | 0.083 | 3.750 | \*\*\* |  |  |  |  |  |  |  |  |
| ***Detection (logit-scale)*** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (Intercept) | 1.148 | 0.599 | . | -0.813 | 0.237 | \*\*\* |  | -2.142 | 0.518 | -4.138 | \*\*\* | -1.809 | 0.693 | -2.610 | \*\* | -2.736 | 0.234 | -11.684 | \*\*\* |
| Min sunrise |  |  |  | -0.001 | 0.001 | . |  |  |  |  |  |  |  |  |  |  |  |  |  |
| yearB | 0.090 | 0.123 |  |  |  |  |  | 0.080 | 0.121 | 0.663 |  | -0.348 | 0.185 | -1.882 | . | 0.040 | 0.151 | 0.267 |  |
| yearC | 0.478 | 0.167 | \*\* |  |  |  |  | 0.674 | 0.179 | 3.764 | \*\*\* | -0.508 | 0.237 | -2.147 | \* | 0.519 | 0.228 | 2.275 | \* |
| yearD | -0.352 | 0.240 |  |  |  |  |  | 0.289 | 0.200 | 1.443 |  | 0.380 | 0.279 | 1.365 |  | 0.710 | 0.251 | 2.834 | \*\* |
| yearE | -0.424 | 0.307 |  |  |  |  |  | 0.490 | 0.230 | 2.130 | \* | 0.278 | 0.300 | 0.927 |  | 1.306 | 0.257 | 5.075 | \*\*\* |
| observerB |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -0.531 | 0.187 | -2.837 | \*\* |
| observerC |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -0.484 | 0.323 | -1.500 |  |
| observerD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | -1.539 | 0.631 | -2.437 | \* |
| day | -0.012 | 0.003 | \*\*\* |  |  |  |  | 0.006 | 0.003 | 2.264 | \* | 0.007 | 0.004 | 2.032 | \* |  |  |  |  |
| forestplot | -0.563 | 0.111 | \*\*\* | -0.623 | 0.218 | \*\*\* |  | 0.430 | 0.092 | 4.697 | \*\*\* |  |  |  |  | -1.674 | 0.142 | -11.773 | \*\*\* |