Supporting Information, Appendix S7

Regression coefficients for models plotted in Figure 4. Models are from Poisson-normal generalized linear mixed models and are on the untransformed Poisson link scale. **βYear** and **βYear\*trait** coefficientsare combined to calculate realized trends as reported in Appendix S4 and are the basis for Figure 4.Models are of the form:

Net captures = **βInt.+ βTrait** \*TraitSF **+ βJan \***Jan.Yes/no **+ βYear**\*Year **+ βYear\*trait \*Year**\* TraitSF

whereTraitSF is a 0/1 indicator for factor levels typical of primary (0) or secondary (1) forest (SF). Jan.Yes/no is an indicator variable for net captures in August (0) or January (1).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **βInt.** | **SE** | **βTrait** | **SE** | **βJan.** | **SE** | **βYear** | **SE** | **βYear\*trait** | **SE** |
| Habitat preference | 0.25 | 0.15 | 0.50 | 0.23 | -0.18 | 0.13 | 0.04 | 0.02 | -0.09 | 0.02 |
| Sensitivity to dist. | 0.26 | 0.17 | 0.32 | 0.22 | -0.18 | 0.13 | 0.07 | 0.02 | -0.11 | 0.02 |
| Conservation priority | -0.28 | 0.52 | 0.73 | 0.53 | -0.19 | 0.13 | 0.06 | 0.07 | -0.05 | 0.07 |
| Elevational migrant | 0.38 | 0.29 | 0.04 | 0.31 | -0.20 | 0.13 | 0.04 | 0.03 | -0.04 | 0.03 |
| Canopy Use-Obligate? | 0.20 | 0.34 | 0.25 | 0.35 | -0.20 | 0.13 | 0.07 | 0.04 | -0.06 | 0.04 |
| Canopy Use-Any? | 0.45 | 0.22 | -0.05 | 0.25 | -0.19 | 0.13 | 0.00 | 0.03 | 0.02 | 0.03 |
| Foraging guild-2 | 0.67 | 0.25 | -0.33 | 0.27 | -0.19 | 0.13 | -0.03 | 0.03 | 0.06 | 0.03 |
| Habitat breadth | 0.43 | 0.30 | 0.00 | 0.08 | -0.19 | 0.13 | 0.12 | 0.03 | -0.04 | 0.01 |