Table 1 – focal species for abundance and nest success

Table 2 - full set of site covariates for the guild richness models and focal species abundance models

Table 3 – slope coefficients for guild richness, focal species abundance, and focal species nest success

Table 4 – effective slope coefficients

Figure 1 – study areas (WERF and MNF)

Figure 2 – sampling points and nest search plots in WERF

Figure 3 – sampling points and nest search plots in MNF

Figure 4 – harvest history of WERF

Figure 5 – slope coefficients for guild richness

Figure 6 – slope coefficients for focal species abundance (organize by guild)

Figure 7 – slope coefficients for focal species nest success (organize by guild)

Figure 8 – interaction between year and study area for guild richness

Figure 9 – interaction between year and study area for focal species abundance (group by guild)

Figure 10 – interaction between year and study area for focal species nest success (group by guild)

Appendix A – list of 62 species with guild

Appendix B – JAGS code for hierarchical community model

Appendix C - JAGS code for focal species abundance model

Appendix D – model specifics

Appendix E - JAGS code for focal species nest success model

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Figure 8. Plots of the change over time in overall species richness (ALL) and guild (ESEA = early-successional and edge-associated, INT = forest-interior, GAP = forest-gap, and GEN = forest generalist) richness (see Appendix A for guild designations and associated forest songbird species) within an actively harvested landscape (AHL) and minimally harvested landscape (MHL). An asterisk indicates a significant trend, where the 95% credible interval of the effective slope coefficient for year does not overlap 0.

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Figure 9. Plots of the change over time in focal songbird species abundance (see Table 1 for species codes) within an actively harvested landscape (AHL) and minimally harvested landscape (MHL). Color of the 4-letter species code and plot elements indicates the species’ guild designation (light green = early-successional or edge-associated guild, dark green = forest-interior guild, teal = forest-gap guild, and orange = forest generalist guild). An asterisk indicates a significant trend, where the 95% credible interval of the effective slope coefficient for year does not overlap 0.

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Figure 10. Plots of the change over time in focal songbird species nest success (see Table 1 for species codes) during the incubation period, brooding period, and overall nesting period within an actively harvested landscape (AHL) and minimally harvested landscape (MHL). Color of the 4-letter species code and plot elements indicates the species’ guild designation (light green = early-successional or edge-associated guild, dark green = forest-interior guild, and teal = forest-gap guild). An asterisk indicates a significant trend, where the 95% credible interval of the effective slope coefficient for year does not overlap 0.