

## Appendix S1: Supplemental Information

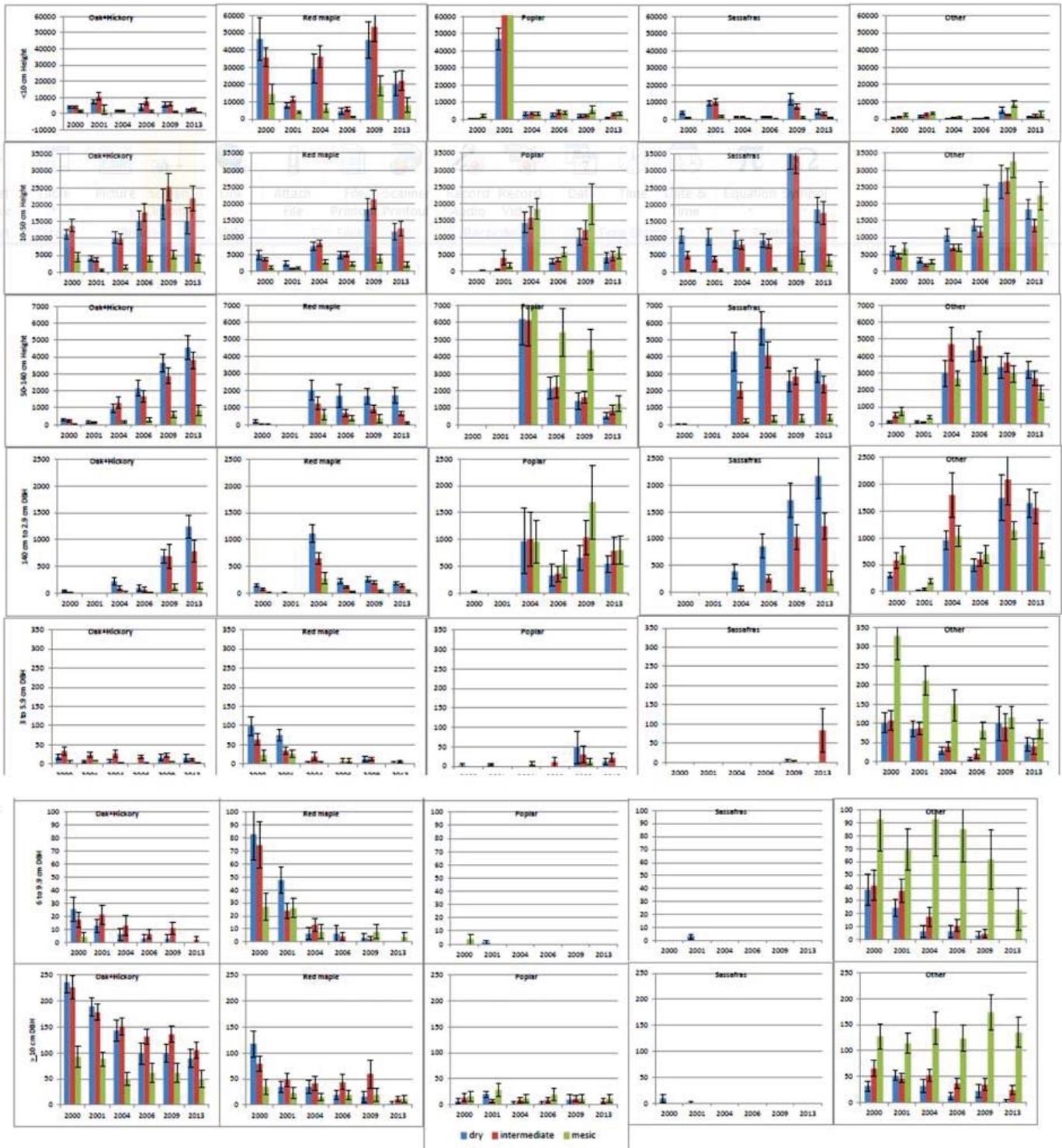


Figure S1. Distribution of species groups by size class (finer level of size classes compared to Figure 4) and IMI moisture regime, 2000 to 2013. Fires occurred in spring 2001, 2005, 2010; sampling of regrowth occurred 1 year (2001), 4 years (2004), 2 years (2006), 5 years (2009), and 4 years (2013) after most recent fires.

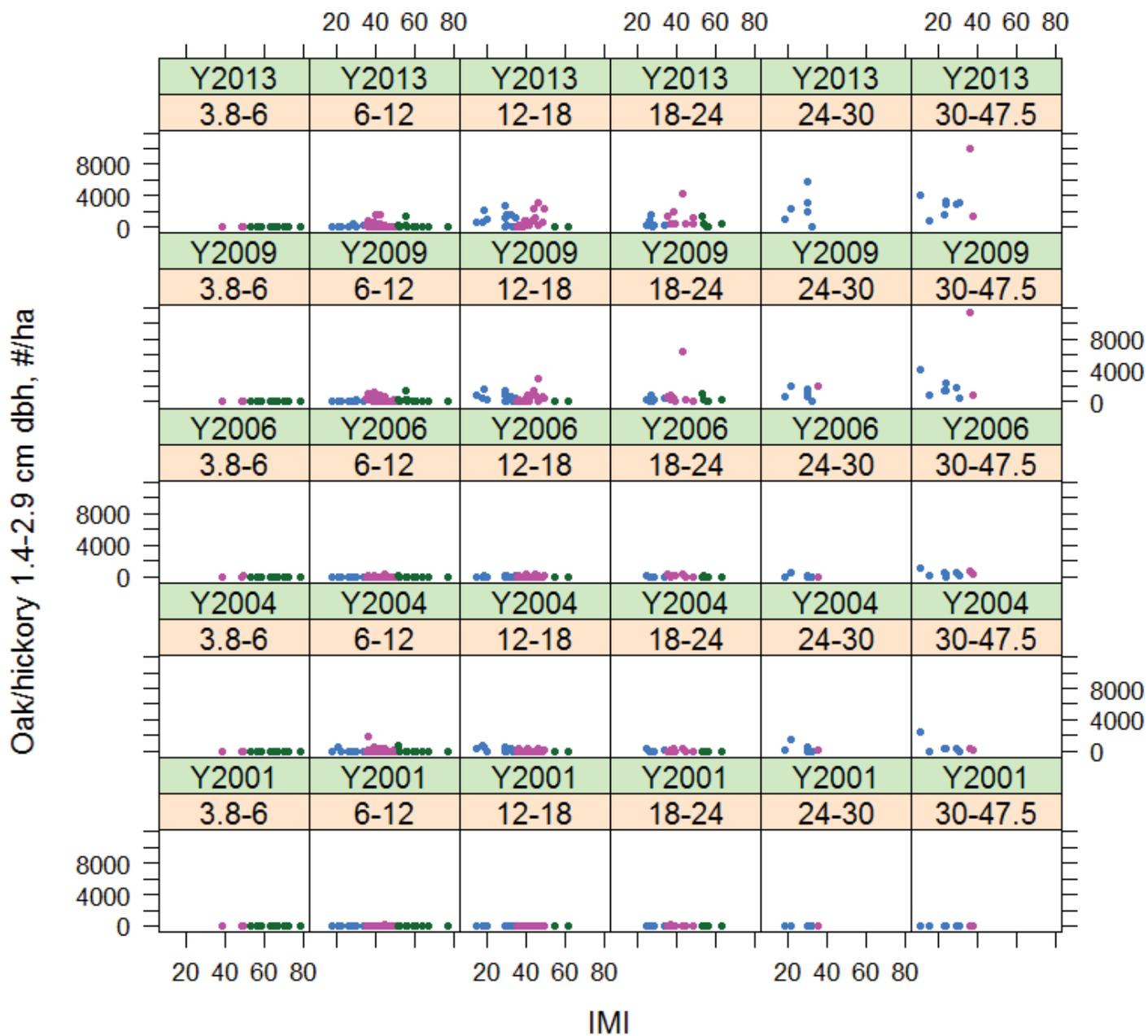


Figure S2. Plots show changes in numbers, in trees per hectare, (Y axis) of very large seedlings oak-hickory (only those between 1.4 m ht. and - 2.9 cm dbh, as opposed to all large seedlings 50 cm – 2.9 cm dbh represented in Figure 6) through time after initial treatment [Y1-Y13 (2001-2013), Y dimension of trellis graph], by moisture regime [dry (blue), intermediate (magenta), mesic (green) IMI classes], also graded from 20 (dry) to 80 (moist) on X axis], and by % average open sky between Y6 (2006) and Y13 (2013) (4 to 48% open sky, X dimension of trellis graph).

# Oak-hickory 50cm ht-2.9cm dbh, all plots, only IMI and Sky, tph

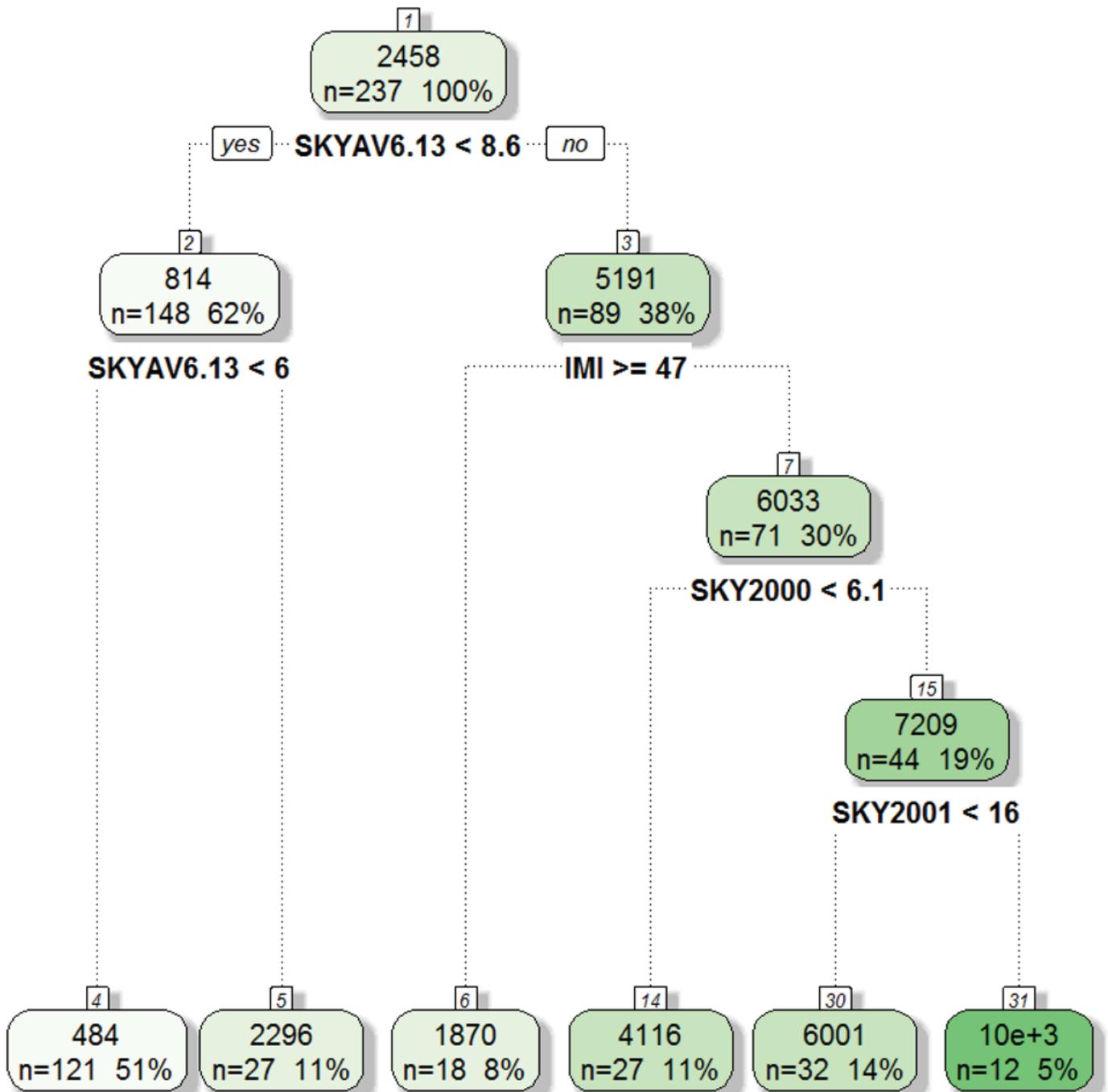


Figure S3. Regression tree analysis diagram for the abundance of oak-hickory large seedlings (50 cm height to 2.9 cm dbh) across all the 237 plots.

# Oak-hickory 50cm ht-2.9cm dbh, TB plots, only IMI, competition and sky, tph

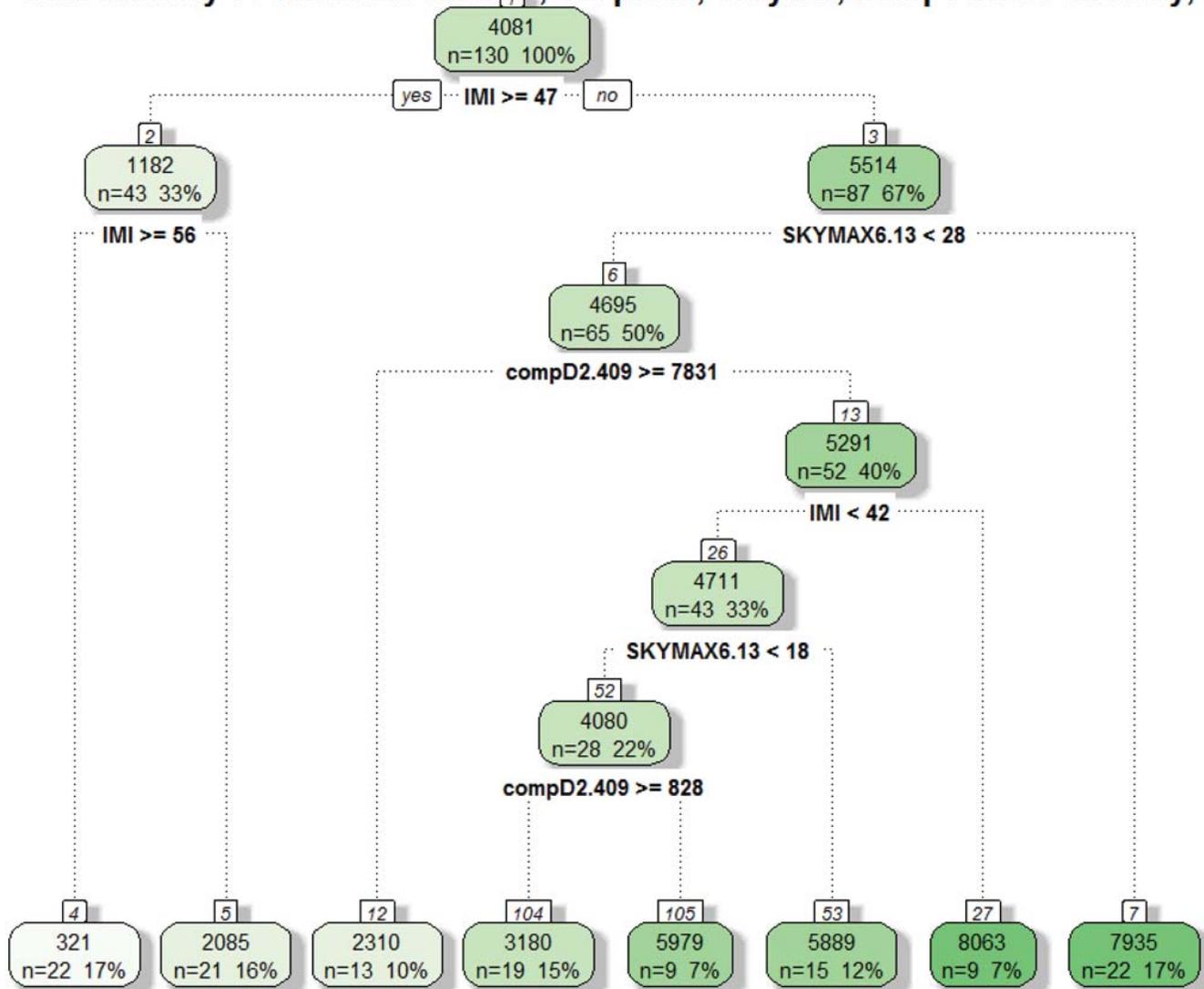


Figure S4. Regression tree analysis diagram for the abundance of oak-hickory large seedlings (50 cm height to 2.9 cm dbh) across only the HB plots, and considering only IMI, competition, and % open sky.