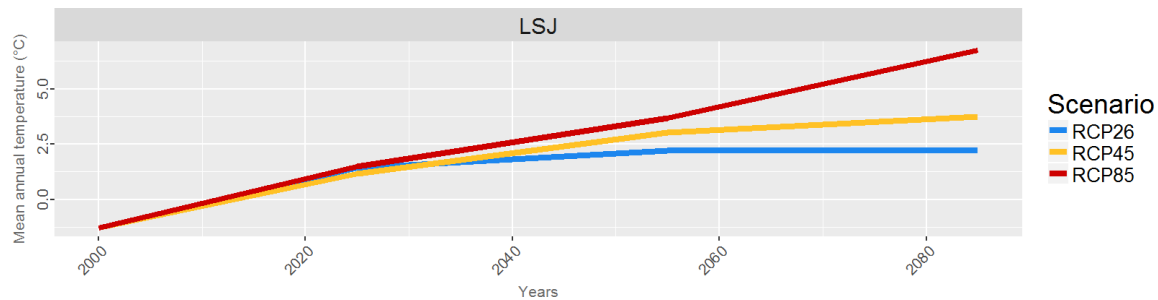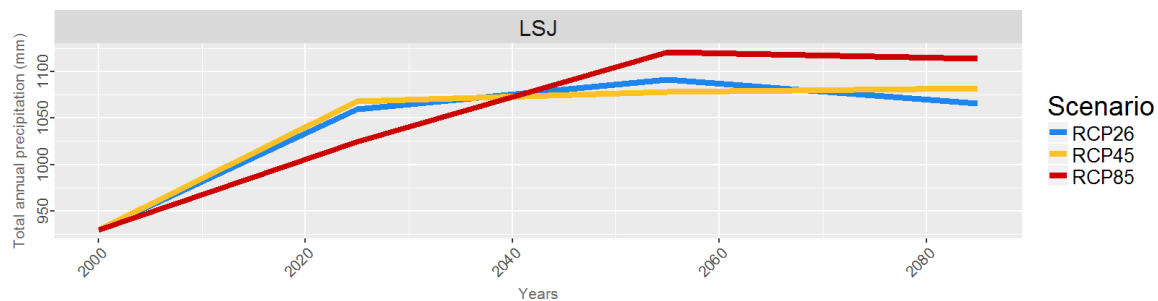**S1 Appendix**

Climate projections

a) Mean annual temperature

b) Total annual precipitation

S1 Fig. Current and future projections for a) mean annual temperature (MAT) and b) total annual precipitation from the Canadian Coupled Global Climate Model CanESM2 for each of the three different forcing scenarios i.e. RCP 2.6, RCP 4.5 and RCP 8.5 used in our simulations. Baseline (1981-2010) and future 30-year values were averaged to better reflect the climate data that were used in LANDIS-II to parameterize tree growth.