

Appendix B

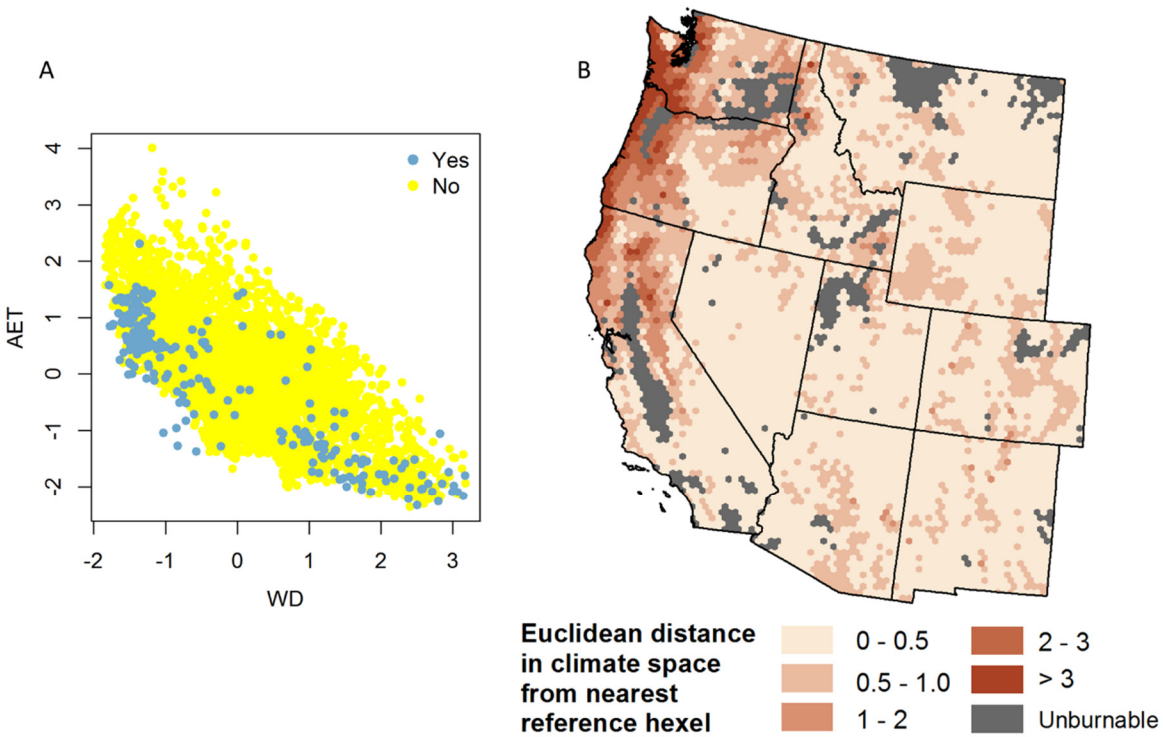


Fig. B1. Climate for which we used to build the model of expected area burned compared to the climate of the western US. Plot of the two most important variables in the BRT model explaining area burned, actual evapotranspiration (AET) and water deficit (WD), for each hexel (A); raw values were scaled and centered. Blue points show the 235 hexels used to build the model and yellow points show the remaining hexels. Our predictions may be more accurate for those hexels in which the climate is similar to the climate in the hexels we used to build the model. As such, the map (B) shows the distance of all hexels in climate space from the most climatically similar hexel used to build the model. To generate this map, AET, WD, PPT, SNW, and SMO were scaled and centered (mean of zero). The Euclidean distance was measured using these five variables from each hexel in the western US to those hexels used to build the model. The nearest Euclidean distance between each hexel and the hexels used to build the model is shown on the

map. The map indicates that the climate in the wet forests of the northwestern US are not well-represented by the climate in the hexels used to build the model; this area, however, is one of the least fire-prone regions.