Figure S1. Land cover types for California from the National Land Cover Database (NLCD) 2016 for the continental United States. Resolution has been degraded from 30 m to 500 m for comparison to the Forest Inventory Anlaysis Database (2014) and MODIS leaf area index data. The locations of two major cities are indicated.
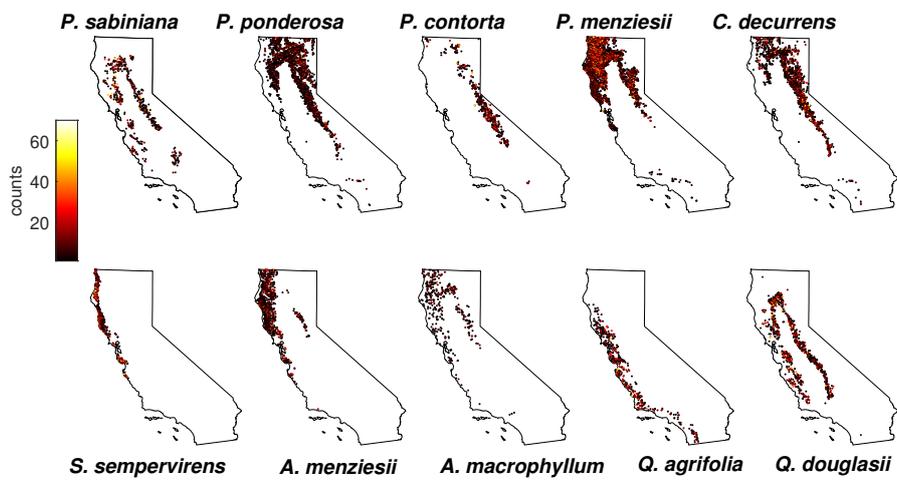
Figure S2. Counts of trees examined in this study from the Forest Inventory and Analysis Database
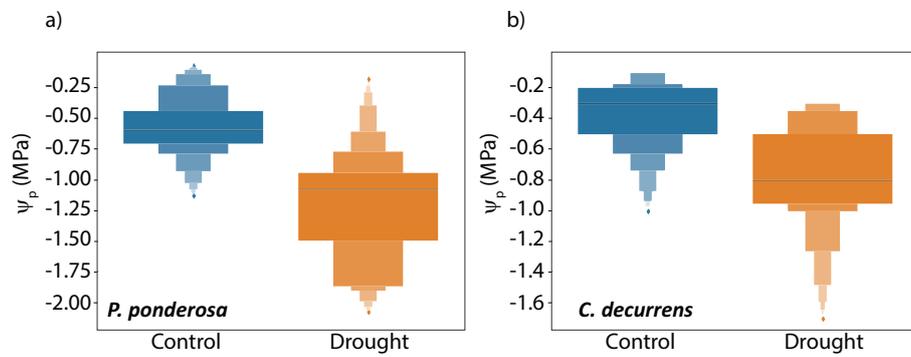
Figure S3. Box and whisker plots of water potentials for the control and drought groups of (a) *P. ponderosa* and (b) *C. decurrens*
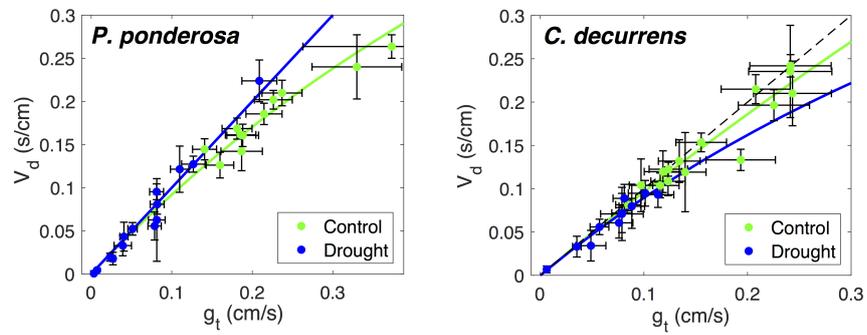
Figure S4. Plot of V_d versus g_t for (left) *P. ponderosa* and (right) *C. decurrens*. Blue markers and lines are data from drought-stressed trees and fits to the resistance model, respectively. Green markers and lines are data from control group trees and fits to the resistance model, respectively.
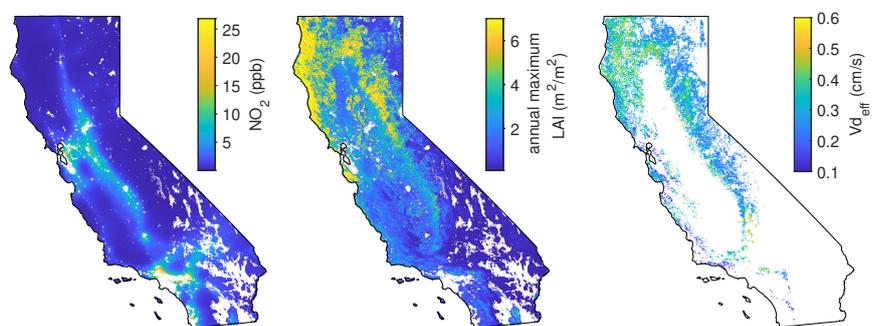
Figure S5. (left) Average midday NO_2 mixing ratios in the month of June 2014.(center) Maximum LAI during the year 2019 from MODIS. (right) Effective daytime state-wide deposition velocities of NO_2 to forests.