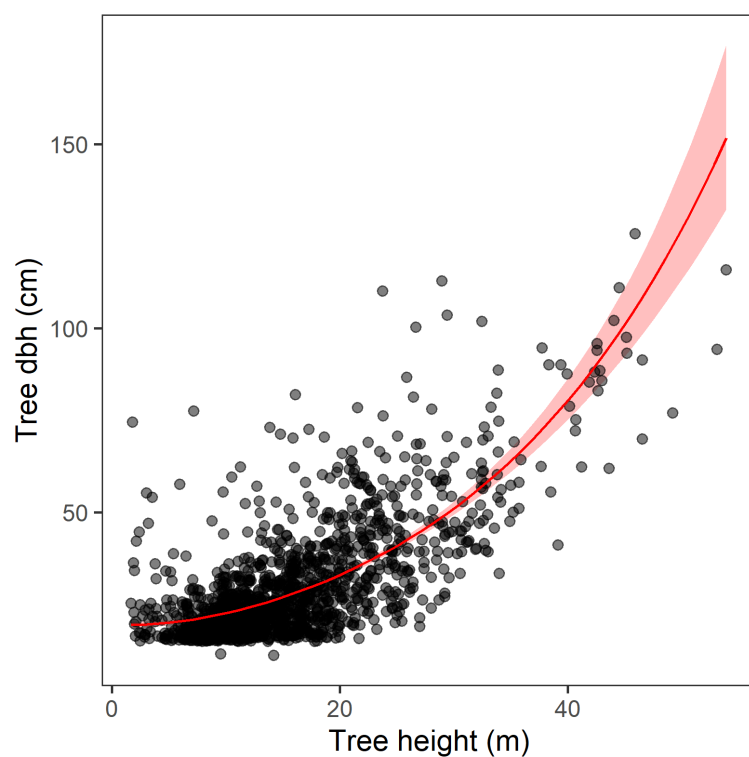


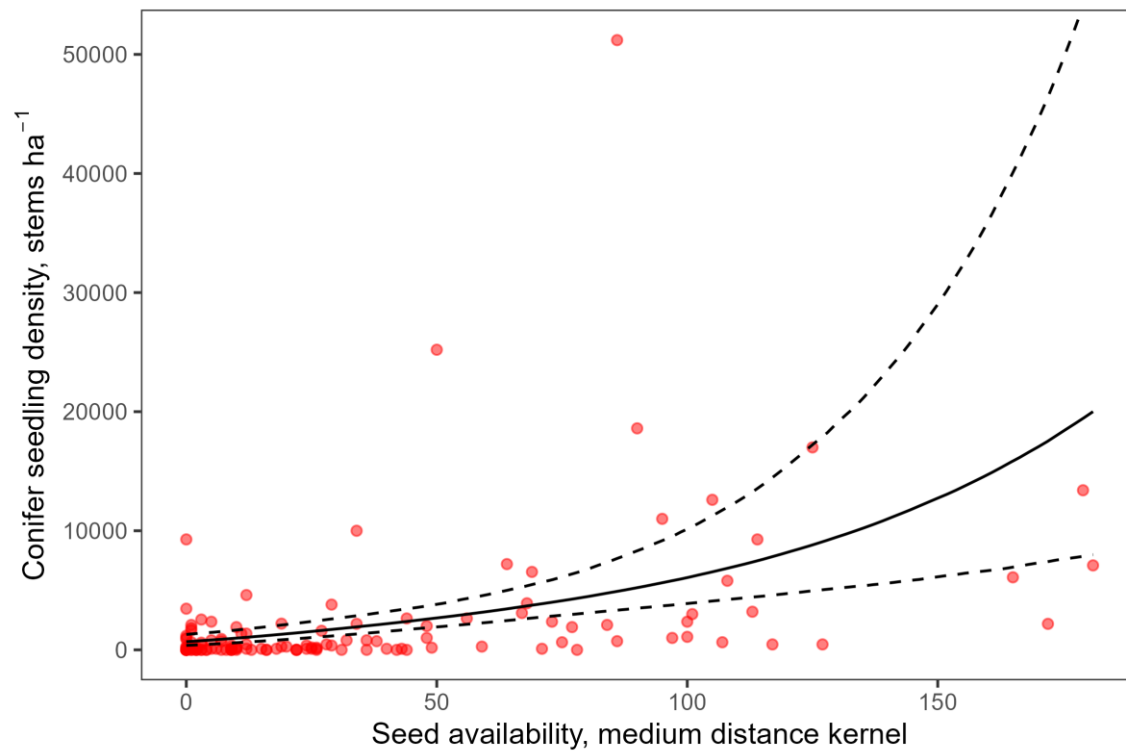
## 1 Supplementary Figures and Tables

**Supplementary Table 1.**  $\widehat{\Delta elpd}$  and its standard error from LOO.

Model	$\widehat{\Delta elpd}$	SE
Medium distance kernel	0.00	0.00
Long distance kernel	-1.50	2.07
Short distance kernel	-3.80	4.32
Distance to live tree	-10.97	5.36



**Supplementary Figure 1.** Model predictions and 95% CI for the tree height-diameter model. Points are observed values taken from the 2012 and 2015 reads of the Klamath Inventory and monitoring network plots that were averaged across years by individual tree.



**Supplementary Figure 2.** Model predictions and 95% CI for the best-performing model based on LOO. Points are observed values.