Highlights

* Habitable areas for tree species are expected to shift with climate change.
* We examined plot revisit data for three west-coast states in the United States.
* Tree species did not show changes in ranges but some changed in plot density.
* Density change was associated with plot precipitation and temperature.
* Average plot temperatures increased while average plot precipitation varied.

Key words

* Forest Inventory Analysis
* Plot revisit
* Design-based inference
* Tree migration
* Tree range change
* Tree density change
* Precipitation
* Temperature