



RESOURCE MANAGEMENT

Forest Biometrics

The Forest Biometrics Program provides technical expertise, quantitative analysis, and field support across the full spectrum of Resource Management programs with a focus on sampling forest inventories, forest management assessments—including silviculture and sustained yield planning—forest monitoring, and fire and fuels management.

A central part of our role involves the Demonstration State Forests. On these forests, we lead the design and analysis of resource inventories—carefully constructed datasets collected over time that track how the forests are growing, evolving, and responding to management actions. These inventories form the backbone of each forest’s management plan, ensuring decisions are grounded in reliable, science based information.

We also develop and implement sampling methods to verify, and in some cases reconstruct forest inventories estimates. This ensures that forest information meets California’s regulatory requirements for effectiveness and strengthens the accuracy and credibility of the data guiding forest practices.

In addition, the Forest Biometrics Program partners with the Fire and Resource Assessment Program (FRAP) to manage the Forest Inventory and Analysis (FIA) California Intensification Project, a cooperative agreement with the U.S. Forest Service Pacific Northwest Research Station. This project provides critical data on the status and trends of California’s forests including wood production and utilization statewide.



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