California Wildfire and Forest Resilience Task Force Regional Resource Kits:

California Landscape Metrics

What are the California Landscape Metrics?

The California Landscape Metrics, a collection of nearly 200 high-quality and high-resolution geospatial data layers, are intended to aid land managers in evaluating the conditions of forested and shrubland landscapes, planning restoration projects, and monitoring progress toward desired outcomes and greater resilience. These metrics were selected for their relevance to land management and are designed to align both federal and state data. This collection of metrics provides a menu of options for local and regional planning efforts to choose for their various assessment and planning applications. An interagency team developed these metrics for the California Wildfire and Forest Resilience Task Force, using the best available science.

Using the California Landscape Metrics

The metrics are organized in a hierarchical structure under the Pillars of Resilience framework adopted by the Task Force:

- **Pillars** describe the desired long-term and landscape-scale outcomes of restoring social and ecological resilience.
- **Elements** represent the primary processes and functions that altogether make up a pillar.
- **Metrics** are qualitative or quantitative measurements of each element that can be used to reach the desired outcome.

Most data layers are statewide and available at a 30-meter resolution, but some are regional or available at a coarser resolution. Data layers are available for download as images of the mapped data, zipped rasters, and metadata. A comprehensive metric dictionary accompanies the compiled metrics and provides detailed information source data, vintage, methods of derivation, and other aspects of each data layer.

Air Quality

Particulate Matter
3 metrics

Biodiversity Conservation

Species Diversity
5 metrics
Focal Species
36 metrics
Community Integrity
9 metrics

Carbon Sequestration

Carbon Storage
10 metrics
Carbon Stability
3 metrics

Economic Diversity

Wood Product Industry
11 metrics

Fire Adapted Communities

Hazard
11 metrics

Fire Dynamics

Functional Fire
6 metrics
Severity
7 metrics

Forest Resilience

Structure
22 metrics
Composition
13 metrics
Disturbance
14 metrics

Social & Cultural Well-Being

Equitable Opportunity
30 metrics
Recreation Quality
1 metric

Water Security

Quantity
5 metrics
Quality
1 metric

Wetland Integrity

Hydrologic Function
1 metric
Composition
3 metrics