

PLACER COUNTY BIG TREES GROVE

PLACER COUNTY BIG TREES GROVE OVERVIEW

Relative Overall Vulnerability

LOW
0.0

This grove is ranked **LOW** for Relative Overall Vulnerability due to:

Wildfire Vulnerability

LOW - 0.0

Regen Vulnerability

LOW - 0.0

See the [Grove Health & Resilience](#) section below for more information.

Relative Management Priority

LOW
0.0

This grove is ranked **LOW** for Relative Management Priority due to:

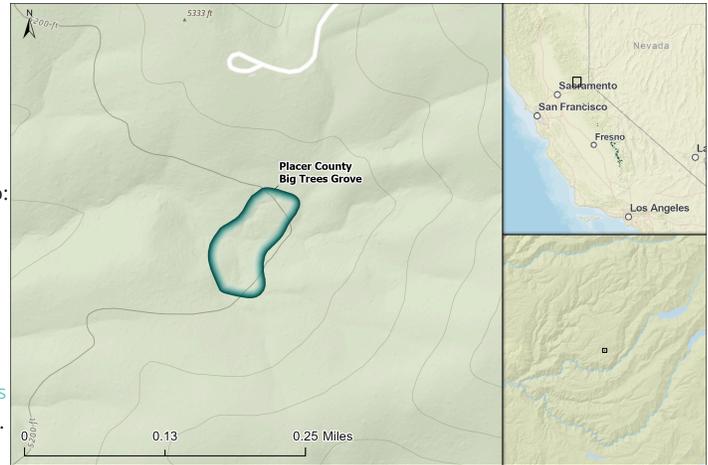
Overall Vulnerability

LOW - 0.0

Treatment Feasibility

POOR - 0.8

See the [Management Considerations](#) section below for more information.



Grove Map - click map for more detailed spatial information

Grove Information

Grove Size (Acres)	3
Location	Kaweah River Watershed, Placer County
Management Unit(s)	Tahoe National Forest
Land Steward(s)	USFS TNF

About Placer County Big Trees Grove

Placer County Big Trees Grove is quite small, only occupying three acres in the Central Sierra Watershed region. It is situated between 5,170 - 5,246 feet elevation at 39.05704 °N and is managed by the Tahoe National Forest. The grove is located in an unnamed small tributary drainage to the Middle Fork of the American River. It is the northernmost giant sequoia grove and contains only six living sequoias, all of which can be found within a 200-foot radius. Placer County Grove is rather isolated, as it is about 60 air miles away from the nearest sequoia grove - North Calaveras Grove. Almost the entire area within Placer County Grove was lost in the Mosquito Fire. Giant sequoias are alive and well, but there are very few of them. The forest surrounding the sequoias is currently dead or dying.

PLACER COUNTY BIG TREES GROVE HEALTH & RESILIENCE

LOW
0.0

Placer County Big Trees Grove is ranked **Low** for Relative Overall Vulnerability because it is at a **Low** risk of being negatively impacted by the effects of severe wildfire and at **Low** risk for inadequate natural regeneration.

Relative Overall Vulnerability

Additionally, Placer County Big Trees Grove is at **Moderate** risk for negative impacts from drought stress, **Low** levels of tree mortality have been detected in the grove, and the presence and activity of beetles in the grove is **Suspected**. 0% of Placer County Big Trees Grove has burned in large fires since 1984. See below for more detailed information.

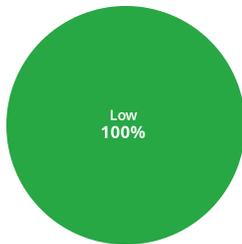
Components of Relative Overall Vulnerability

Relative Overall Vulnerability is based on **Wildfire Vulnerability** and **Regeneration Vulnerability** using an area-weighted calculation. See [Grove Assessment Analysis Methods](#) for more details.

The pie charts below provide the percentage of the grove with high, medium, and low vulnerabilities. Click on the charts to view interactive maps of these vulnerabilities within the grove.

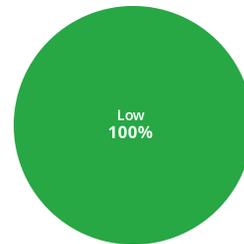
Wildfire Vulnerability

LOW - 0.0



Regeneration Vulnerability

LOW - 0.0

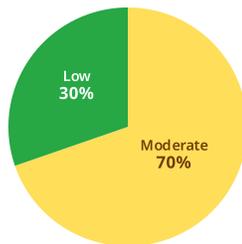


Additional Grove Health & Resilience Information

Below is additional information about Placer County Big Trees Grove's Health & Resilience. These data, their inputs, and any available notes and updates may be found in the [Grove Resilience Datasheet](#).

Relative Drought Stress

MODERATE



Relative Drought Stress in Placer County Big Trees Grove is Moderate based on an area-weighted average. Click on the chart for an interactive map.

Beetle Activity

SUSPECTED

Beetle Activity in Placer County Big Trees Grove is suspected, needs to be surveyed.

Please see the [Grove Resilience Datasheet](#) for details.

Tree Mortality

LOW

Tree Mortality in Placer County Big Trees Grove is Low according to the most current available USFS dead canopy data.

Please see the [Grove Resilience Datasheet](#) for details.

Wildfire History

The table below provides information about large wildfires in this grove recorded since 1984. See this [map of wildfires and locations of high severity fire](#).

% of grove burned	0%
% of grove unburned	100%
Fire Return Interval Departure	High

MANAGEMENT CONSIDERATIONS

LOW
0.0

Placer County Big Trees Grove is ranked **Low** for Relative Management Priority because it has **Low** Relative Overall Vulnerability and **Poor** feasibility for implementing management actions toward restoration goals.

Relative Management Priority

Additionally, the grove is 11.6 miles from a community and is 0.1 miles from recreational infrastructure. Accessing the grove is difficult. Roads need to be rebuilt before it can be accessed, but that may take years. The grove has Spotted Owl and Goshawk PACs. See below for more detailed information.

Components of Relative Management Priority

Relative Management Priority is determined by combining the **Relative Overall Vulnerability** and **Treatment Feasibility** ranks. See [Grove Assessment Analysis Methods](#) for more details.

Relative Overall Vulnerability

LOW - 0.0

See the [Health & Resilience section](#) above for the component metrics for the Relative Overall Vulnerability rank.

Treatment Feasibility

POOR - 0.8

Special Land Designation	Placer County Big Tree Grove Botanical Area
Grove Manager Opinion	Fuel Treatments are Unlikely or Prohibited
Remote	No

Additional Management Considerations

Below is additional information relevant to Placer County Big Trees Grove's Management Considerations. These data, their inputs, and any available notes and updates may be found in the [Grove Resilience Datasheet](#).

Treatment History

The table below lists treatment projects in and 90 meters around this grove implemented **since 2022**. See this [map of grove treatments](#).

Treatment Type	% of Grove	Acres
Mechanical Treatments	0%	0
Prescribed Fire	0%	0
Pile Treatments	0%	0
Pile Burns	0%	0
Replanting	0%	0

Management Recommendations

The table below provides an estimate of the percentage and acreage of the grove that are recommended for evaluation for treatment based on the Vulnerability Models. See this [map of Grove Vulnerability Models](#).

Treatment Need	% of Grove	Acres
Fuels Reduction/Restoration	0%	0
Reforestation	0%	0

PLACER COUNTY BIG TREES GROVE
REFERENCES

Willard, D. 1994. Giant Sequoia Groves of the Sierra Nevada: A Reference Guide.

Giant Sequoia Health & Resilience Assessment [Glossary](#) 

[How to Use the Giant Sequoia Health & Resilience Assessment](#) 

[Giant Sequoia Health & Resilience Assessment Analysis Methods](#) 

Find more giant sequoia science by searching the [GSLC Scientific Publications Library](#) 

Explore more groves or learn about the Giant Sequoia Lands Coalition.

DISCLAIMER

The information presented in the Giant Sequoia Grove Health & Resilience Assessment is intended to supplement on-the-ground knowledge of giant sequoia groves for use in conjunction with current on-the-ground knowledge of grove condition and management activities when planning fuel treatment and reforestation projects. It should not be considered the only source of information about the condition of groves.