

# REDWOOD MOUNTAIN GROVE

## REDWOOD MOUNTAIN GROVE OVERVIEW

### Relative Overall Vulnerability

**MODERATE**  
2.5

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

#### Wildfire Vulnerability

**LOW - 1.1**

#### Regen Vulnerability

**MODERATE - 2.5**

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

### Relative Management Priority

**MEDIUM**  
2.5

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

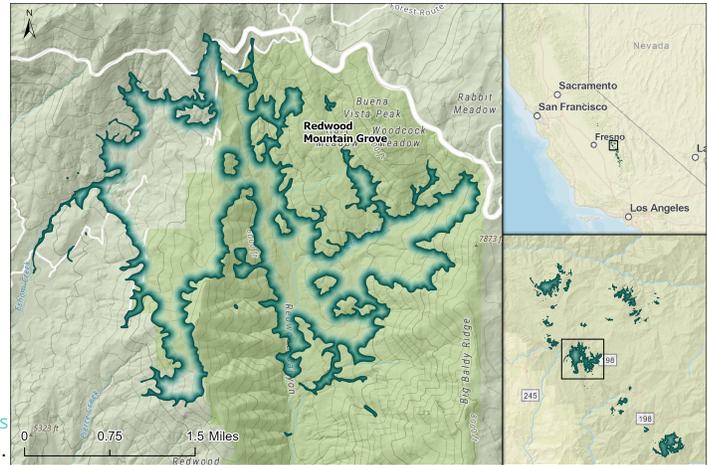
#### Overall Vulnerability

**MODERATE - 2.5**

#### Treatment Feasibility

**GOOD - 9.2**

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



Grove Map - click map for more detailed spatial information

### Grove Information

Grove Size (Acres)	2617
Location	Kaweah River Watershed, Tulare County
Management Unit(s)	Berkeley Forests, Giant Sequoia National Monument / Sequoia National Forest, Sequoia - Kings Canyon National Park
Land Steward(s)	NPS SEKI, UC Berkeley, USFS SQF GSNM, Private

## About Redwood Mountain Grove

Redwood Mountain Grove is a 2,617-acre grove in the Kaweah River Watershed region situated between 4,790 - 7,262 feet elevation at 36.69648°N. It is managed by Sequoia-Kings Canyon National Park and located on Redwood Creek, tributary to the North Fork of the Kaweah River. It was once one of the largest and most impressive groves, containing an abundance of old growth sequoias that filled Redwood Canyon. The grove extended west to the crest of Redwood Mountain ridge and down into the drainages of Dry, Eshom, and Pierce Creeks, which are also in the North Fork of the Kaweah watershed. However, the 2021 KNP Complex Fire severely damaged Redwood Mountain Grove and the population of exceptional trees within it has drastically decreased. Giant sequoias in the National Park portion of the grove were spared from logging and the area remains mostly an old growth forest. The National Forest and Whitaker forest section were logged mostly for non-sequoia conifers, but some giant sequoias were also logged.

# REDWOOD MOUNTAIN GROVE HEALTH & RESILIENCE

**MODERATE**  
2.5

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

**Relative Overall Vulnerability**

Additionally, Redwood Mountain 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 **Unknown**. 99.9% of Redwood Mountain Grove has burned in large fires since 1984. See below for more detailed information.

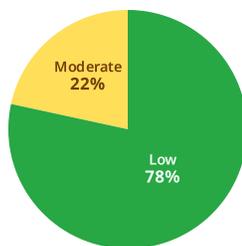
## Components of Relative Overall Vulnerability

**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.

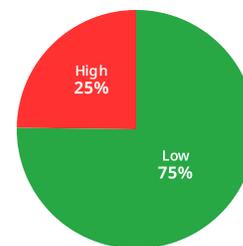
### Wildfire Vulnerability

**LOW - 1.1**



### Regeneration Vulnerability

**MODERATE - 2.5**

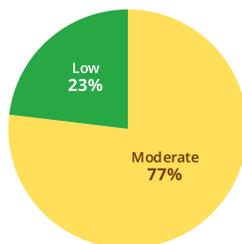


## Additional Grove Health & Resilience Information

Below is additional information about Redwood Mountain 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 Redwood Mountain Grove is Moderate based on an area-weighted average. Click on the chart for an interactive map.

### Beetle Activity

**UNKNOWN**

Beetle Activity in Redwood Mountain Grove has not been determined. Please see the [Grove Resilience Datasheet](#) for details.

### Tree Mortality

**LOW**

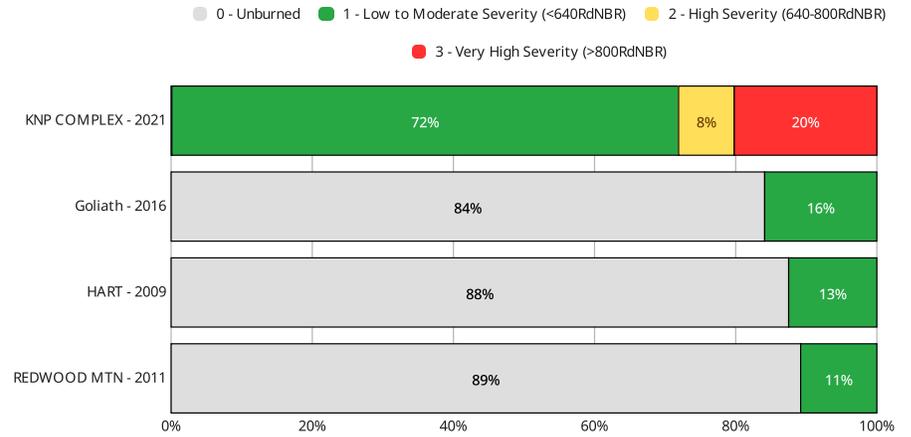
Tree Mortality in Redwood Mountain Grove is Low according to the most current available USFS dead canopy data. Please see the [Grove Resilience Datasheet](#) for details.

## 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](#).

Wildfires	GOLIATH - 2016, KNP COMPLEX - 2021, REDWOOD MTN - 2011, HART - 2009
% of grove burned	99.9%
% of grove unburned	0.1%
Fire Return Interval Departure	High

The chart below provides the percentages of the grove burned at different levels of severity for each wildfire since 1984.



# REDWOOD MOUNTAIN GROVE MANAGEMENT CONSIDERATIONS

**MEDIUM**  
2.5

Redwood Mountain Grove is ranked **Medium** for Relative Management Priority because it has **Moderate** Relative Overall Vulnerability and **Good** feasibility for implementing management actions toward restoration goals.

**Relative Management  
Priority**

Additionally, the grove is 1.3 miles from a community and is 0.1 miles from recreational infrastructure. The portion managed by UC Berkeley is an experimental forest with research infrastructure. Pacific fisher denning activity has been observed in the grove and there are 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

**MODERATE - 2.5**

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

### Treatment Feasibility

**GOOD - 9.2**

Special Land Designation	Sequoia-Kings Canyon Wilderness Area
Grove Manager Opinion	Fuel Treatments are Possible
Remote	No

## Additional Management Considerations

Below is additional information relevant to Redwood Mountain 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	24.8%	649.016

## REDWOOD MOUNTAIN 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.