Tree Mortality - Phase & Severity *

Red Phase (Trees with needles)	Gray Phase Trees with needles off)	Old Phase (6+ years)
Red, High	Gray, High	Old, High
Red, Moderate	Gray, Moderate	Old, Moderate
Red, Low	Gray, Low	Old, Low

Phase	Years Dead
Red	1-3
Gray	4-5
Old	6+

Severity	Dead Trees Per Acre
Low	<10
Moderate	10-20
High	>20

Trees are dying from drought and increased bark beetle activity in the southern Sierra Nevada. This map represents tree mortality based on aerial detection surveys from 2010 through May, 2016 (see discalimer on accuracy). Please maintain situational awareness at all times in these areas.

Dead trees can increase the hazards associated with increased fire behavior and falling limbs and trees.

Disclaimer: This data is collected rapidly and from a distance. Although surveyors are trained and experienced, mistakes occur. Detecting and recording pest-caused changes in tree health from an airplane is an art as well as a science. Over 50 million acres of forested lands are surveyed in just a few hundred hours; recorded locations of pest-caused damage are not always accurate and some tree injury may not be seen or host/pest may be inaccurately attributed. Post-processing of the data is conducted, and often ground surveys are implemented to confirm or correct detection records.

Map created 8/8/2016

Stanislaus NF East

Region 5 Tree Mortality Map Atlas
Aerial Detection Survey (ADS) 2016
Mortality Class by Phase and Severity

Forest Boundary

Potential wildland fire Operational Delineation (PODs)

* Representation of Data
The nine mortality phase/severity classes displayed on this map are displayed in approximate locations. Also, although more than one class may display if more than one class of mortality occurred in any given area. The surveys were done several times and the latest data overlaps the previous. Therefore, there may be some red needle trees (Red Phase) where the map is depicting Gray Phase, and vice versa, but generally the data is composed of the phase and severity shown on the map.

Index of Maps

ENF-E
ENF-W
STF-W
STF-E
SNF-NE
SNF-SW
SQF-N
SQF-S

Stanislaus National Forest

0 2.5 5 10 15 20 Miles

Copyright © 2013 National Geographic Society, i-cubed