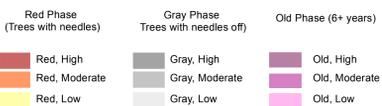


**Tree Mortality - Phase & Severity \***



| Phase | Years Dead | Severity | Dead Trees Per Acre |
|-------|------------|----------|---------------------|
| Red   | 1-3        | Low      | <10                 |
| Gray  | 4-5        | Moderate | 10-20               |
| Old   | 6+         | 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 disclaimer 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.



Map created 8/8/2016

# Eldorado NF West

## Region 5 Tree Mortality Map Atlas

### Aerial Detection Survey (ADS) 2016

#### Mortality Class by Phase and Severity

**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.



\*Representation of data  
The nine mortality phase/severity classes displayed on this map are based upon approximately 100,000 trees surveyed in just a few hundred hours. The surveyors were not able to display more than one class of mortality class in any given area. The surveyors were also unable to see the forest data overlies the previous. Therefore, there may be some red trees that are actually Gray Phase, and vice versa. See generally the map is composed of the phase and severity shown on the map.

