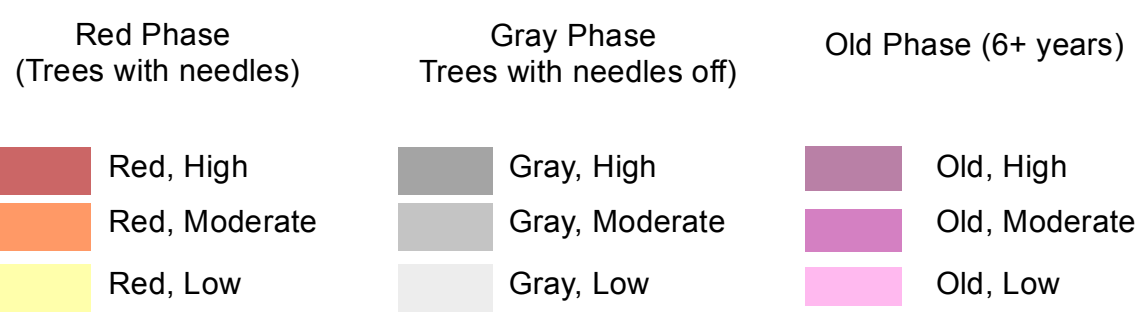


Tree Mortality - Phase & Severity *



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.

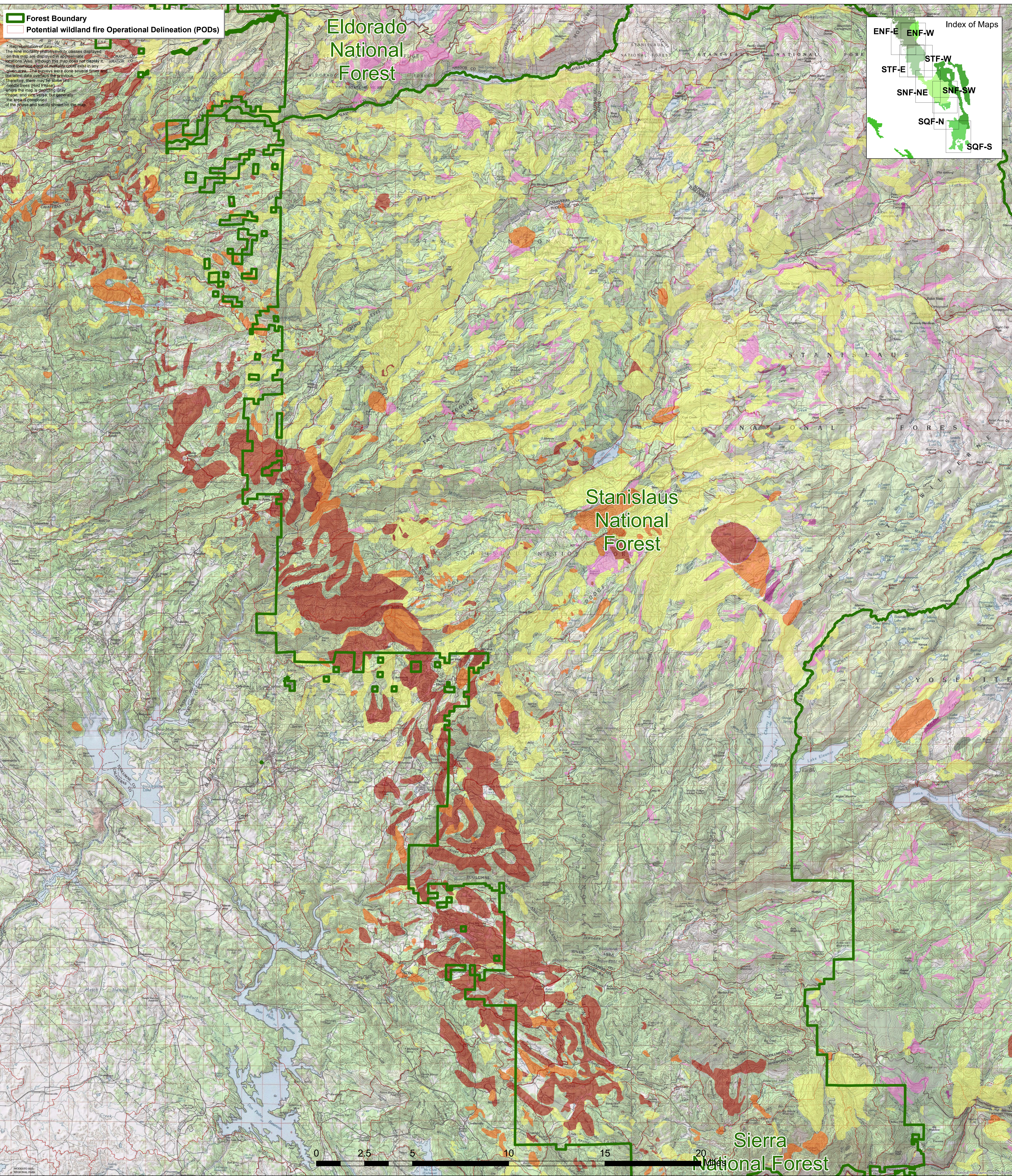


Map created 8/8/2016

Stanislaus NF West

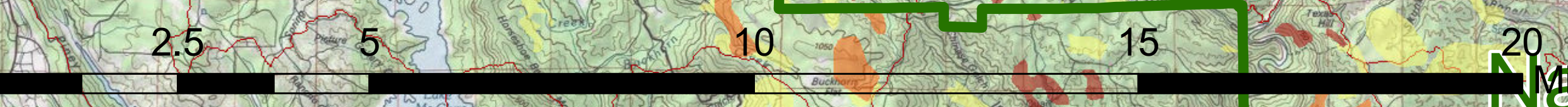
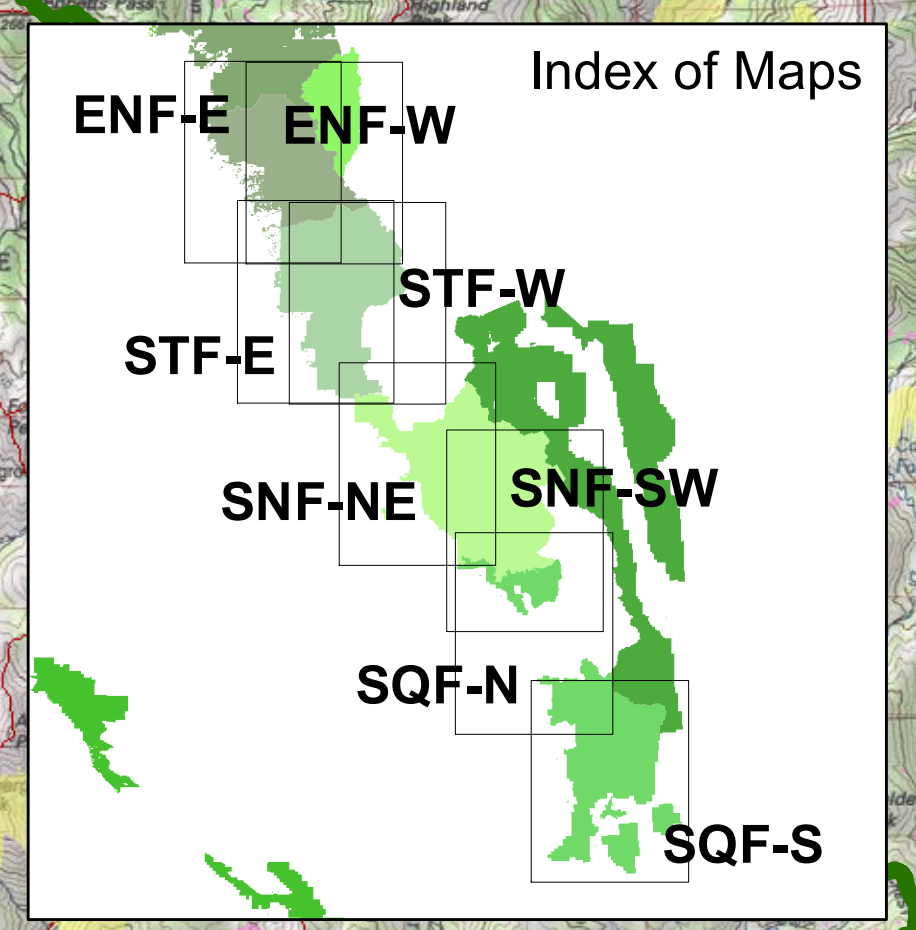
Region 5 Tree Mortality Map Atlas
Aerial Detection Survey (ADS) 2016
Mortality Class by Phase and Severity

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.



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, though the map does not display it, those boundaries of mortality could exist in any given area. The surveyors were done several times and the latest data overwrites the previous. Therefore, there may be some 'old' trees (Red Phase) where the map is displaying Gray Phase, and vice versa, but generally the largest percentage of the phase and severity shown on the map.



Sierra National Forest