

Highlights

Overall mortality decreased, from an estimated 1,131,000 trees across 185,000 acres in 2019 to ~860,000 dead trees across 91,000 acres in 2021. Large wildfires in 2020 and 2021 account for much of this decrease because these portions of the Forest were not surveyed.

- California red fir mortality decreased from an estimated 889,000 trees across 157,000 acres in 2019 to ~786,000 dead trees across 75,000 acres in 2021 and was common in many areas of the Forest.
- White fir mortality decreased from an estimated 88,000 trees across 10,000 acres in 2019 to ~13,000 dead trees across 5,500 acres in 2021 and was most concentrated in the Dinkey Mountain area.
- Lodgepole pine mortality decreased from an estimated 85,000 trees across 8,400 acres in 2019 to ~37,000 dead trees across 3,800 acres in 2021, located in areas around Wishon Reservoir.
- Whitebark pine mortality increased from an estimated 4,600 trees across 960 acres in 2019 to ~7,200 dead trees across 3,300 acres in 2021, located east of Courtright Reservoir.
- Jeffrey pine mortality decreased from an estimated 31,000 trees across 15,000 acres in 2019 to ~13,000 dead trees across 2,300 acres in 2021. Mortality was common in many areas but was particularly concentrated east and south of Wishon Reservoir.
- Ponderosa pine mortality decreased from an estimated 30,000 trees across 4,300 acres in 2019 to ~4,600 dead trees across 1,200 acres in 2021. Mortality was common at light intensities along western low elevation areas; Hhowever, moderate-intensity areas were recorded southeast of the Chowchilla Mountains.



Light California red fir mortality attributed to fir engraver, south of Elizabeth Lake, Sierra National Forest.