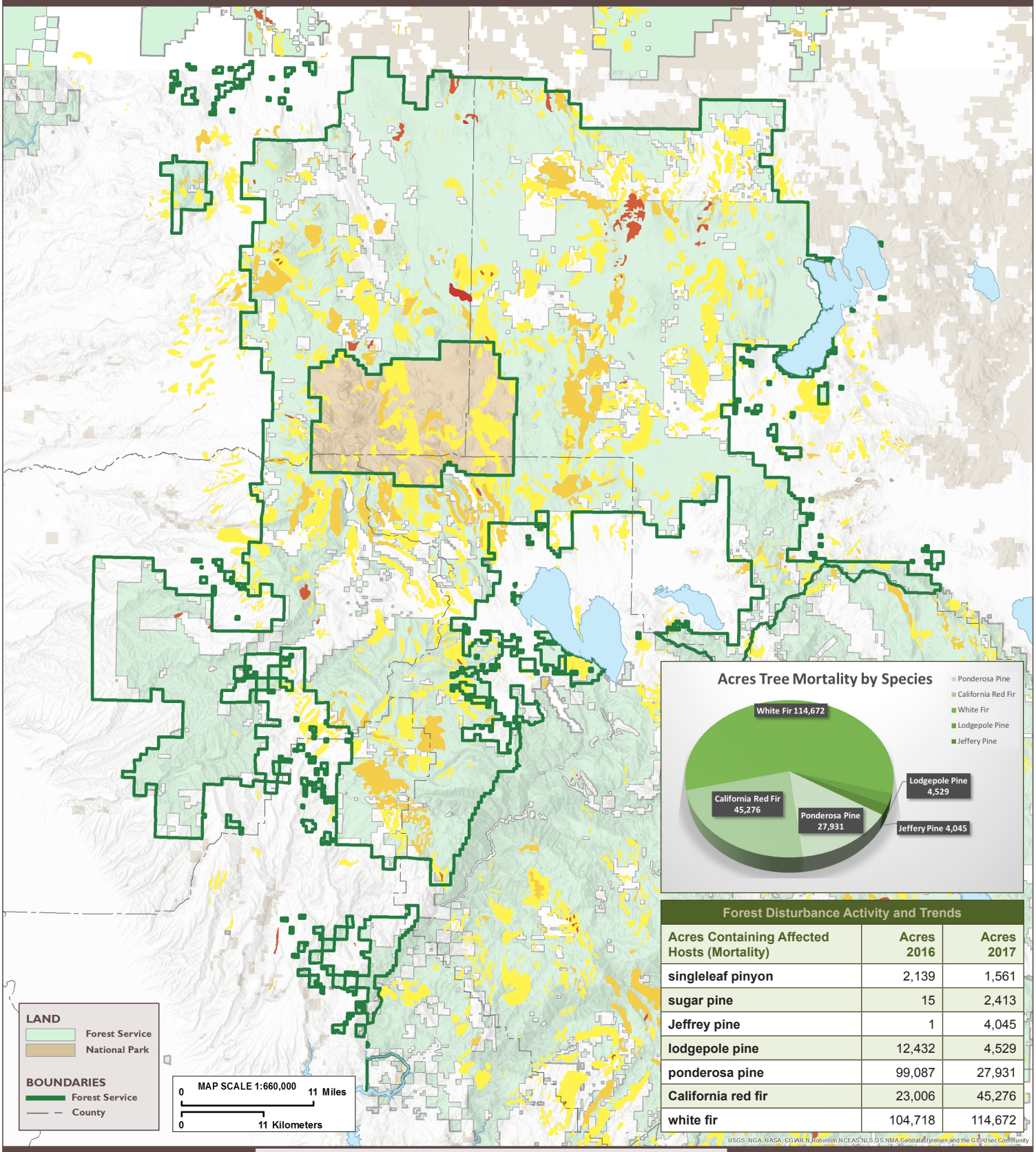
USDA
UNITED STATES DEPARTMENT OF AGRICULTURE

AERIAL DETECTION SURVEY, 2017
LASSEN NATIONAL FOREST



Forest Disturbance Activity and Trends

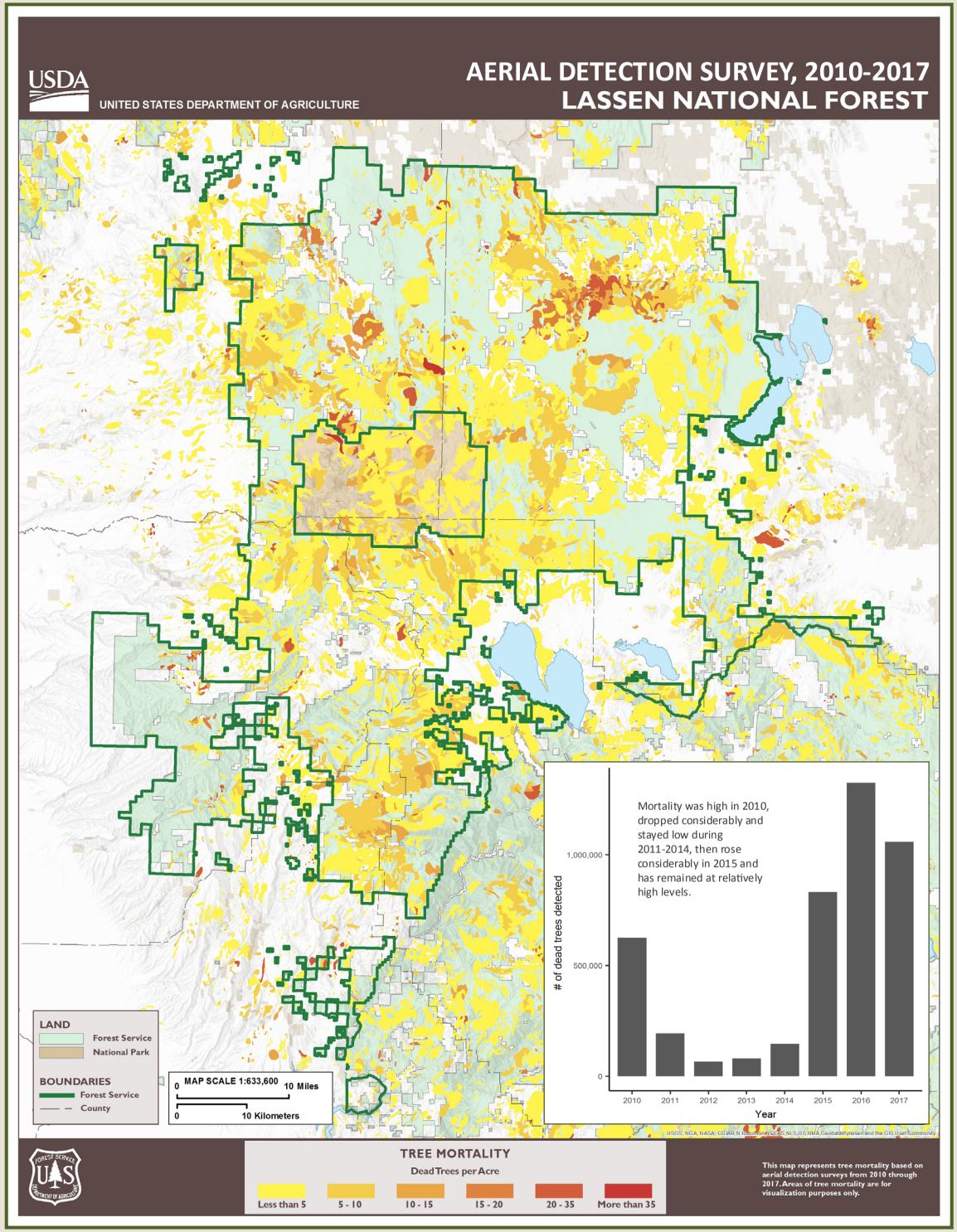
Acres Containing Affected Hosts (Mortality)	Acres 2016	Acres 2017
singleleaf pinyon	2,139	1,561
sugar pine	15	2,413
Jeffrey pine	1	4,045
lodgepole pine	12,432	4,529
ponderosa pine	99,087	27,931
California red fir	23,006	45,276
white fir	104,718	114,672

TREE MORTALITY

Dead Trees per Acre

Less than 5 | 5 - 10 | 10 - 15 | 15 - 20 | 20 - 35 | More than 35

This map represents tree mortality based on 2017 aerial detection surveys. Areas of tree mortality are for visualization purposes only.



Eastern slope of Cone Mtn. on the eastern edge of the Forest depicting older pine and ongoing fir mortality within heavily stocked growing conditions.

Highlights

- Overall tree mortality decreased modestly from over 1.3 million dead trees in 2016 to just over a million in 2017 and acres affected dropped from almost 249,000 to less than 200,000.
- Likewise white fir mortality decreased somewhat from almost 720,000 dead trees in 2016 to 580,000 in 2017.
- In contrast, a marked increase in California red fir mortality was estimated from 81,000 dead trees in 2016 to 220,000 in 2017.
- Ponderosa pine mortality was reduced from an estimated 470,000 dead trees in 2016 to 220,000 dead trees in 2017.
- Lodgepole pine mortality declined from an estimated 39,000 dead trees in 2016 to 27,000 dead trees in 2017.