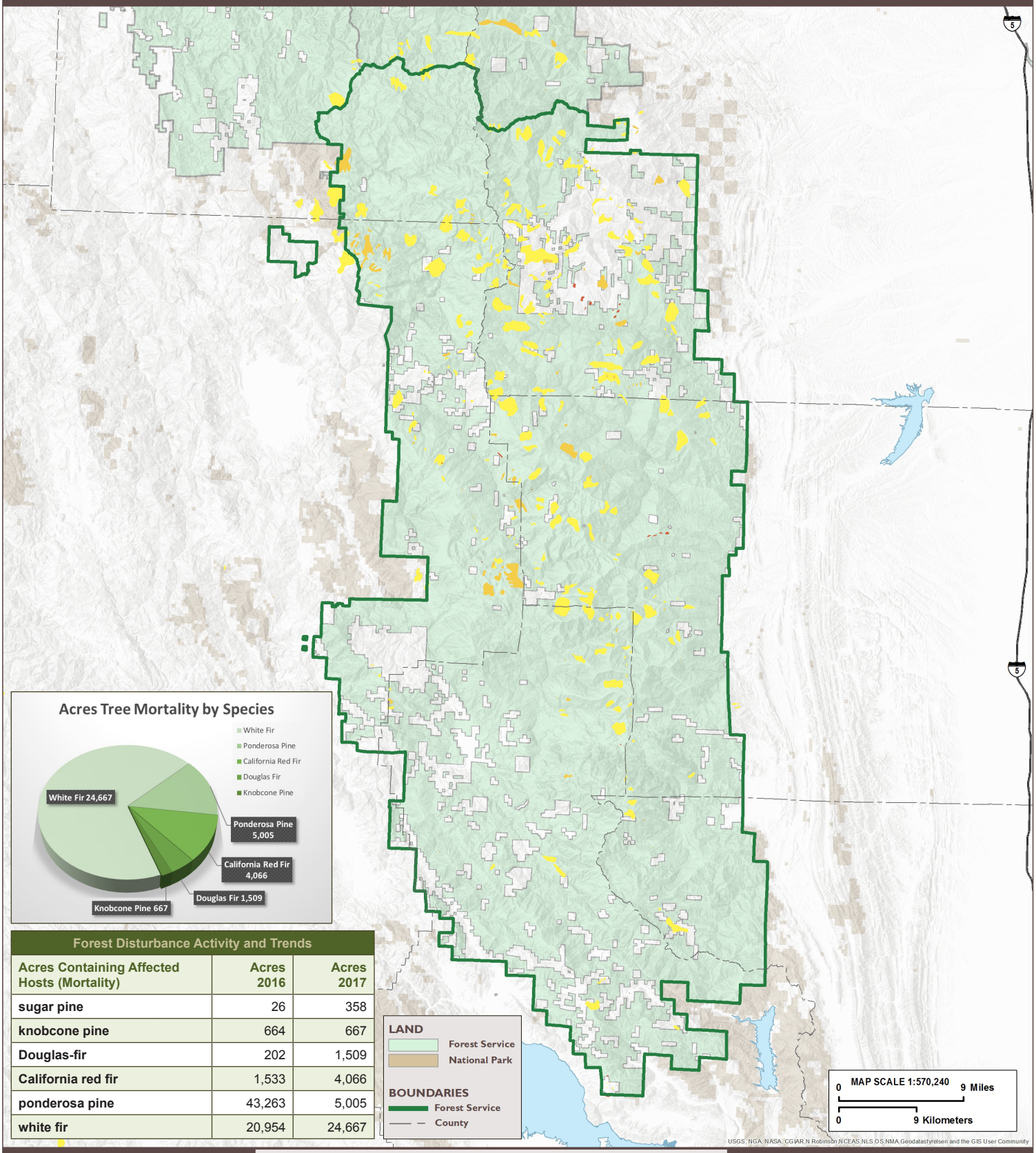
USDA
UNITED STATES DEPARTMENT OF AGRICULTURE

AERIAL DETECTION SURVEY, 2017
MENDOCINO NATIONAL FOREST



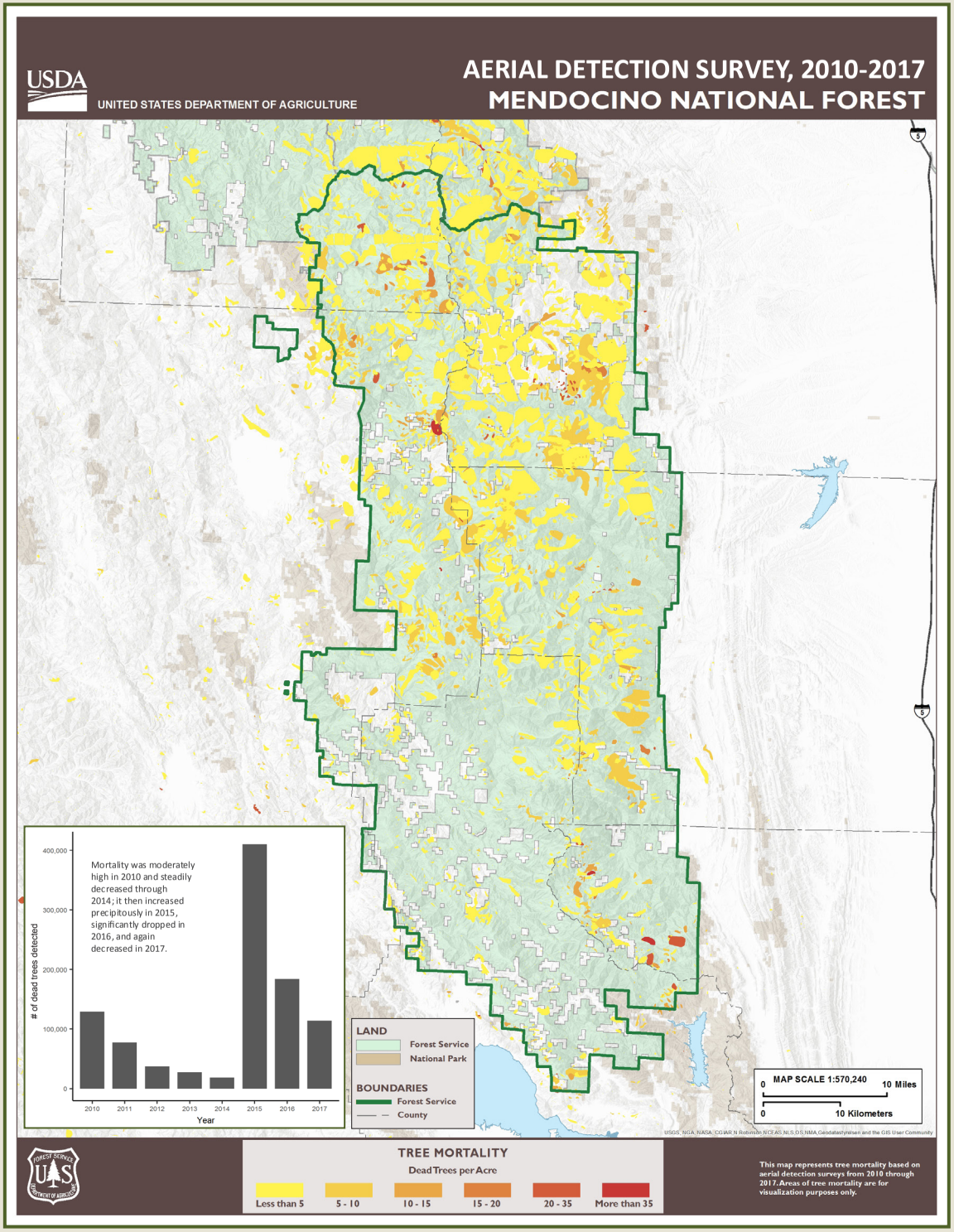
Forest Disturbance Activity and Trends		
Acres Containing Affected Hosts (Mortality)	Acres 2016	Acres 2017
sugar pine	26	358
knobcone pine	664	667
Douglas-fir	202	1,509
California red fir	1,533	4,066
ponderosa pine	43,263	5,005
white fir	20,954	24,667

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.



Mostly older but ongoing pine ponderosa mortality east of Harvey Peak. In the future oak will become more a more prominent overstory component of many of these areas.

Highlights

- Overall mortality decreased substantially from more than 184,000 dead trees in 2016 to less than 114,000 in 2017. Similarly acres affected fell from 67,000 to just over 36,000 acres with mortality in 2017.
- White fir mortality increased from just over 50,000 dead trees in 2016 to an estimated almost 82,000 in 2017.
- California red fir increased from an estimated 5,000 trees killed in 2016 to more than 10,000 dead trees in 2017.
- Ponderosa pine mortality decreased from an estimated 127,000 dead trees in 2016 to just 17,000 in 2017.
- Knobcone pine mortality remained stable from 1,300 dead trees in 2016 to approximately 1,700 in 2017.
- Douglas-fir showed a substantial increase from 400 dead trees in 2016 to an estimated more than 1,800 in 2017.