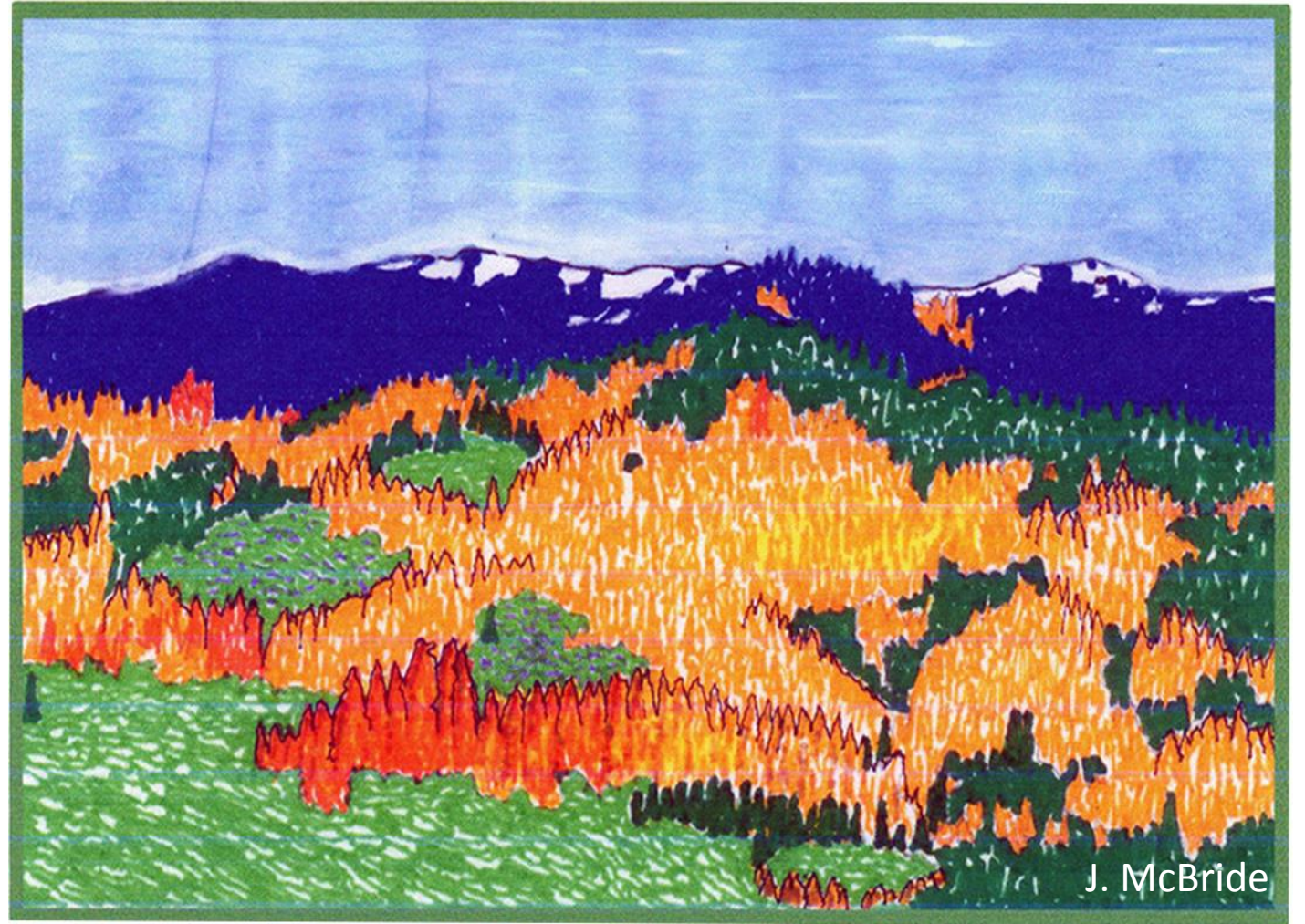


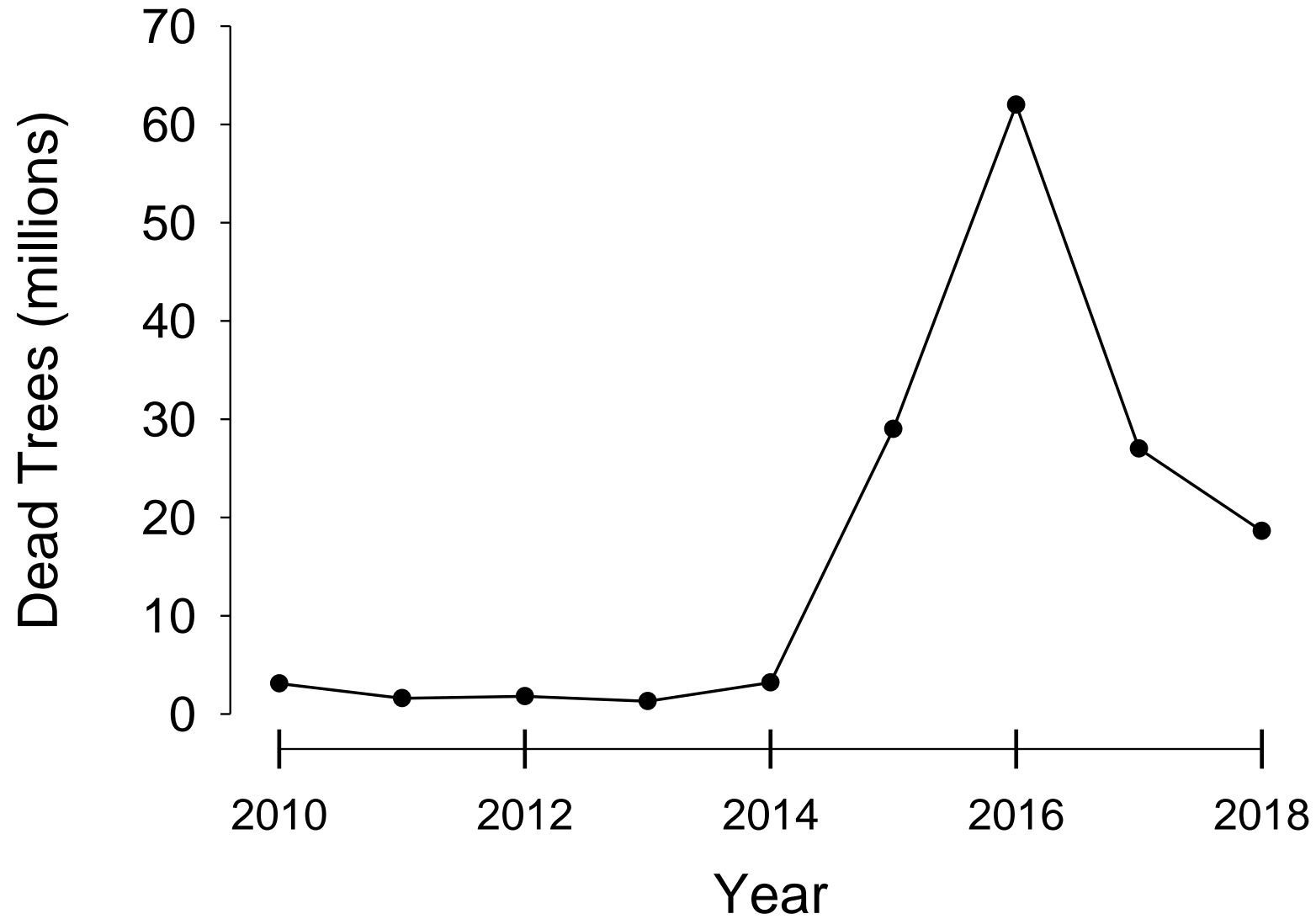
Tree Mortality and Dead Biomass: 2018 Update

John Battles

UC Berkeley, March 19, 2019



Trends in tree death

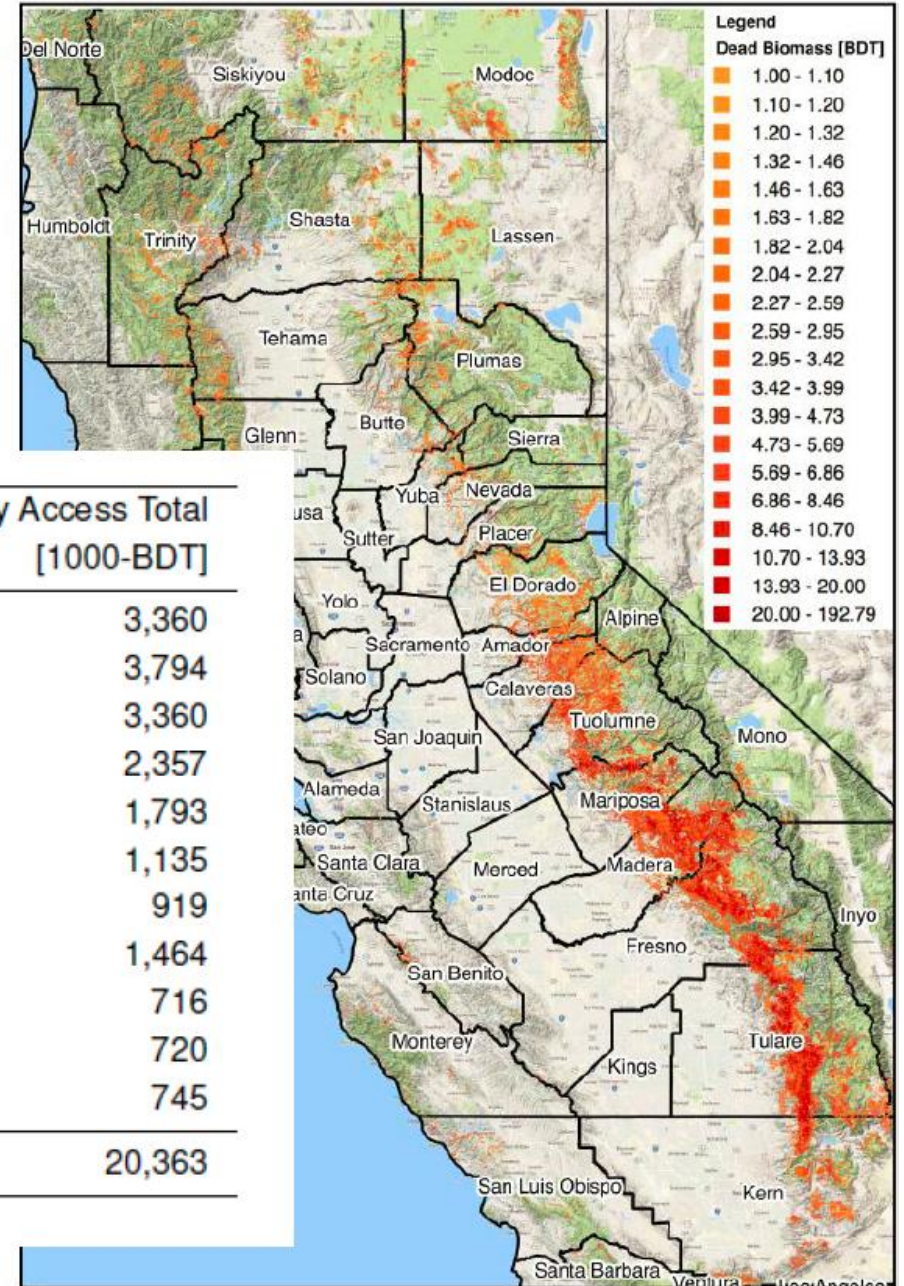


[Fact and Figures April 2018](#)

Dead Biomass Maps (2017)

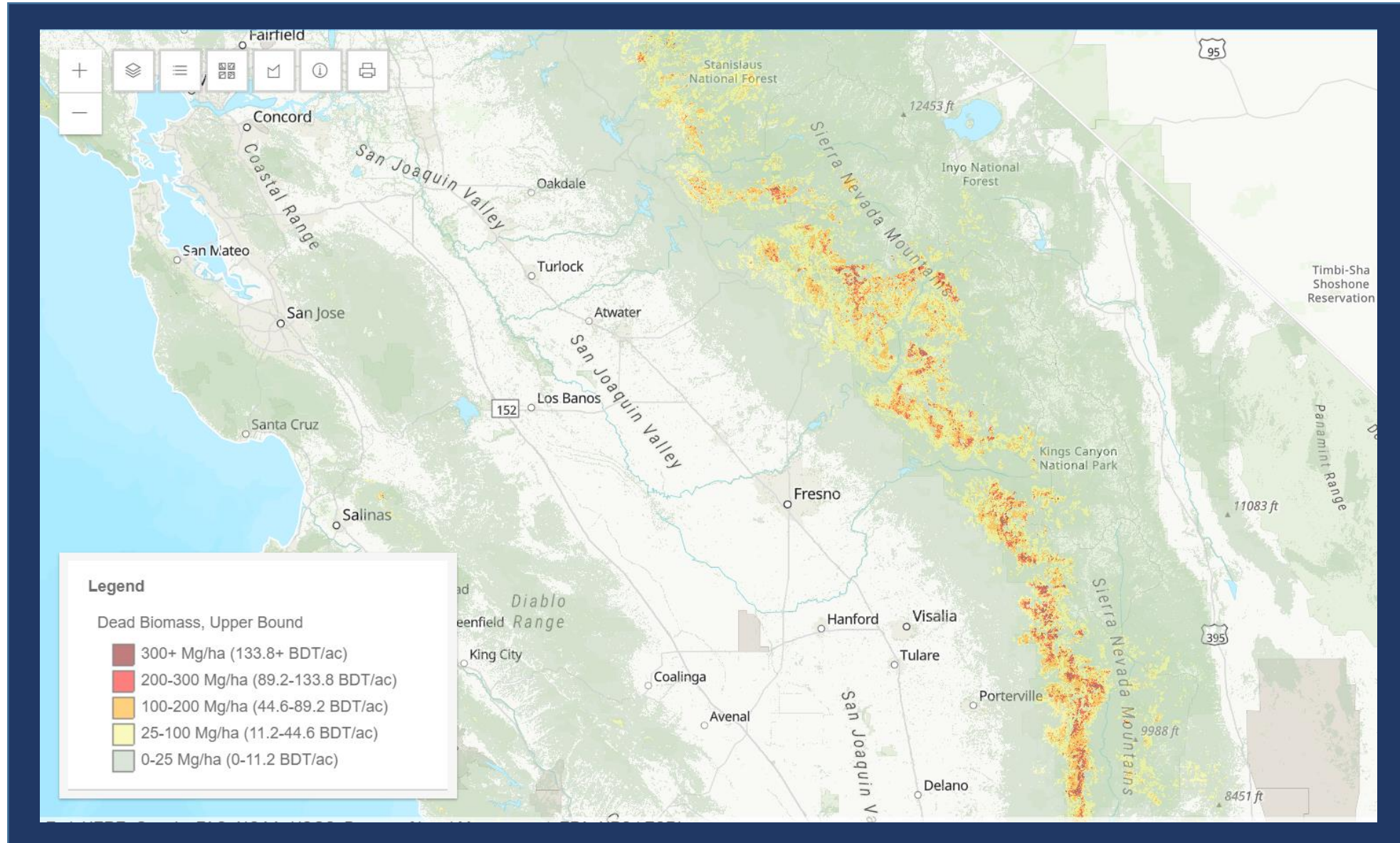
Tubbesing and Lara

88% of dead biomass is in 10 counties



County	Raw Total [1000-BDT]	Easy Access Total [1000-BDT]
Tulare	21,555	3,360
Fresno	14,330	3,794
Madera	9,638	3,360
Tuolumne	7,046	2,357
Mariposa	6,916	1,793
Kern	3,606	1,135
Calaveras	2,190	919
Modoc	1,916	1,464
Siskiyou	1,824	716
El Dorado	1,573	720
Lassen	912	745
Total	71,397	20,363

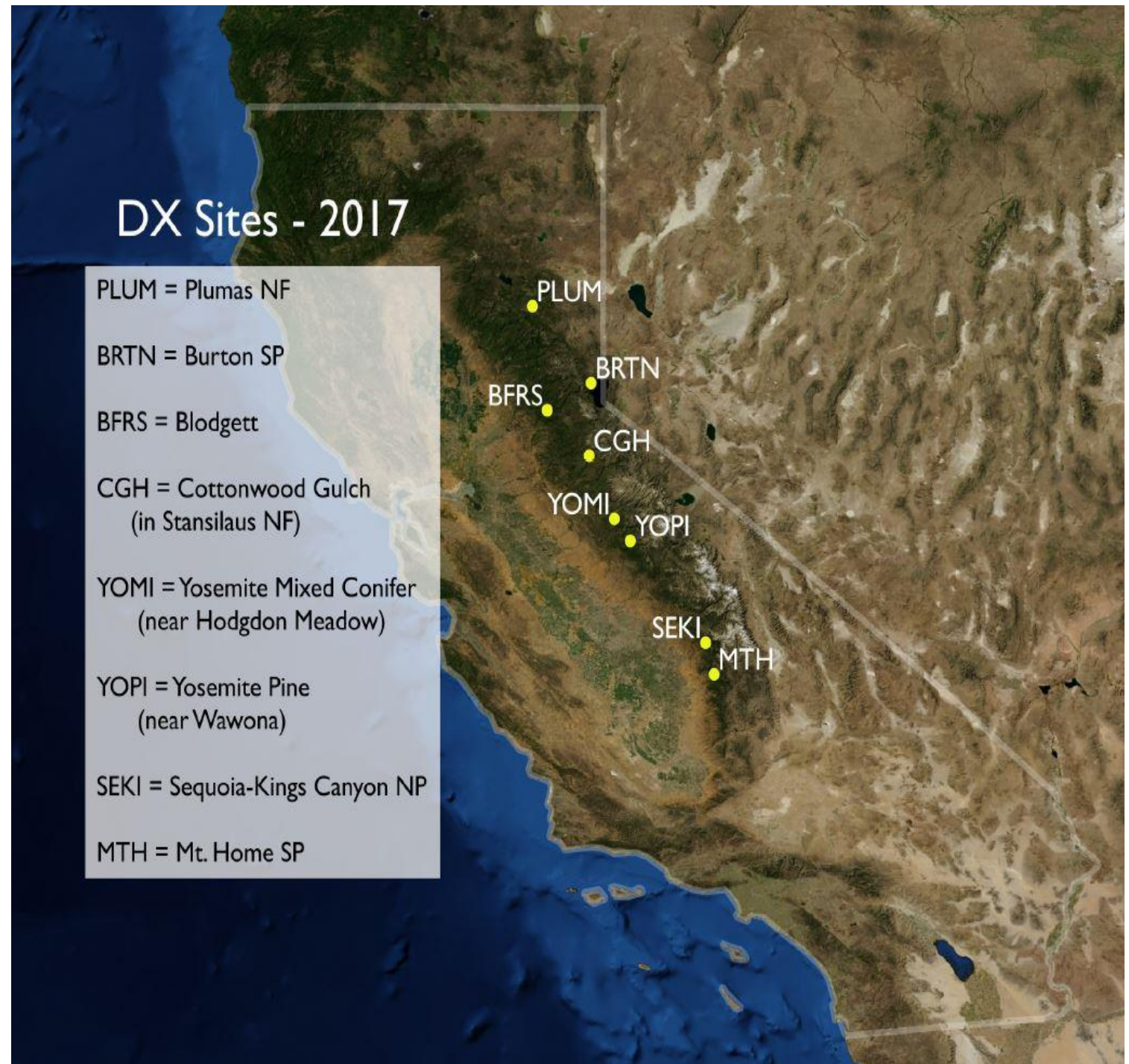
Dead Biomass Viewer (Tubbesing 2018)



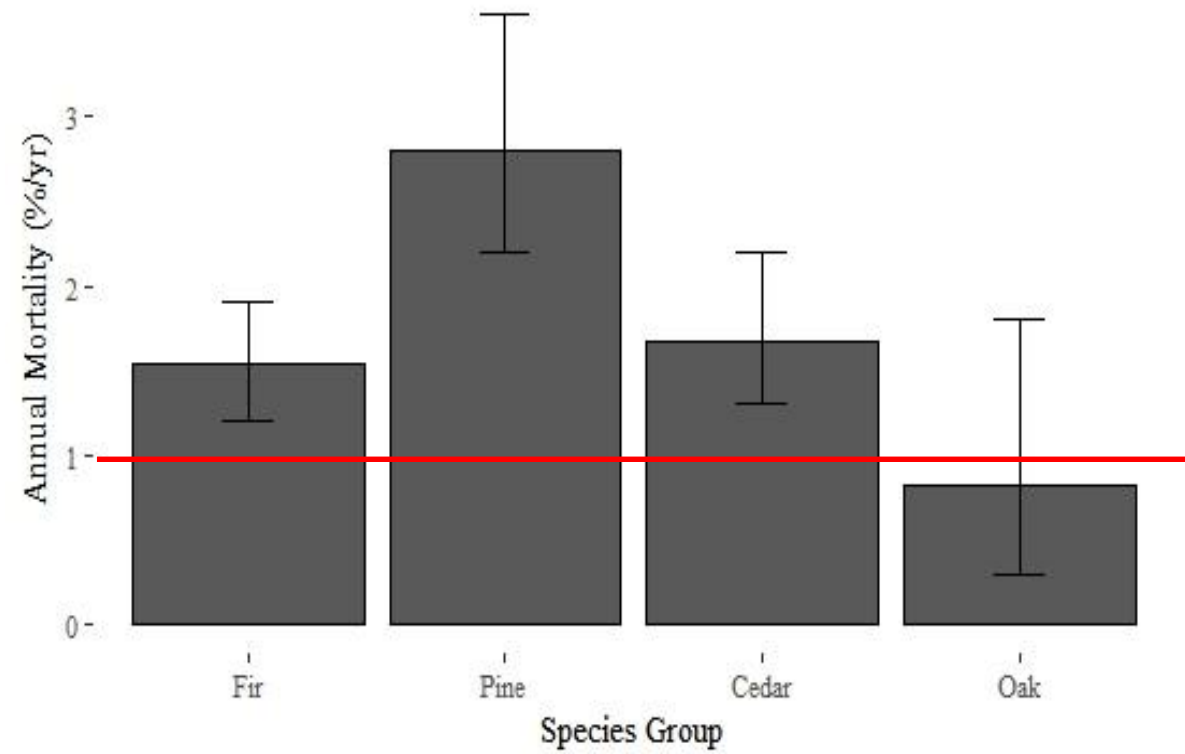
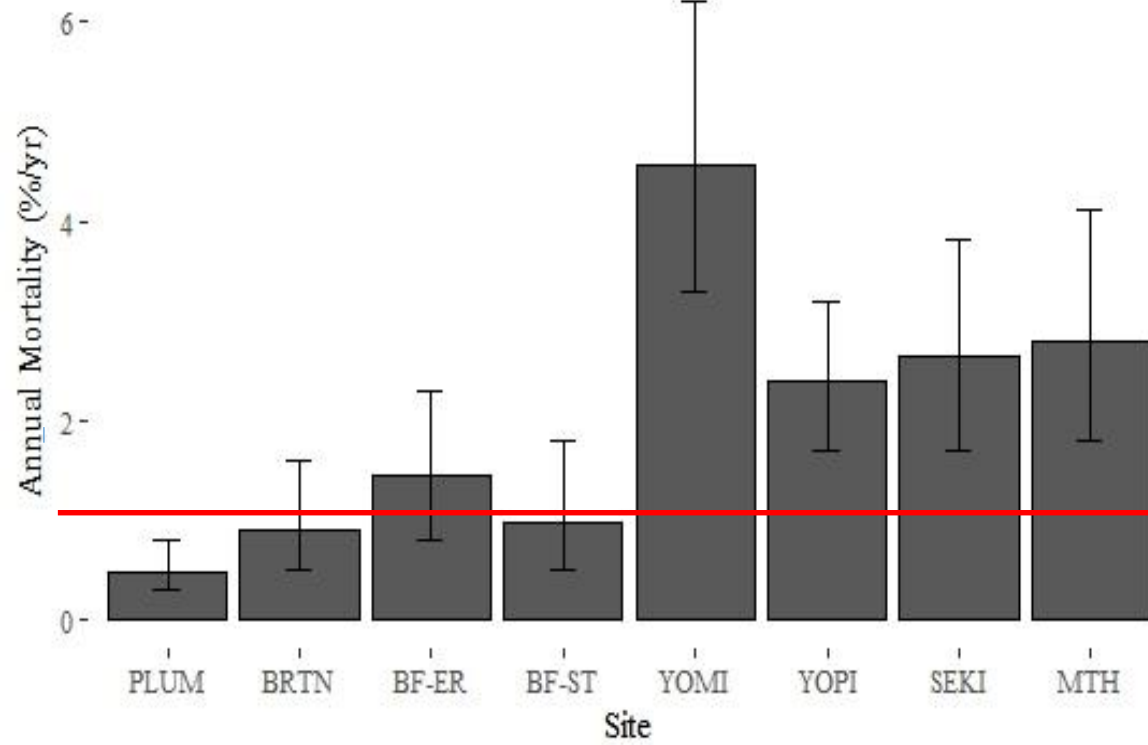
UGIS: <http://geodata.ucanr.edu/biomass/>

Drought mortality field monitoring

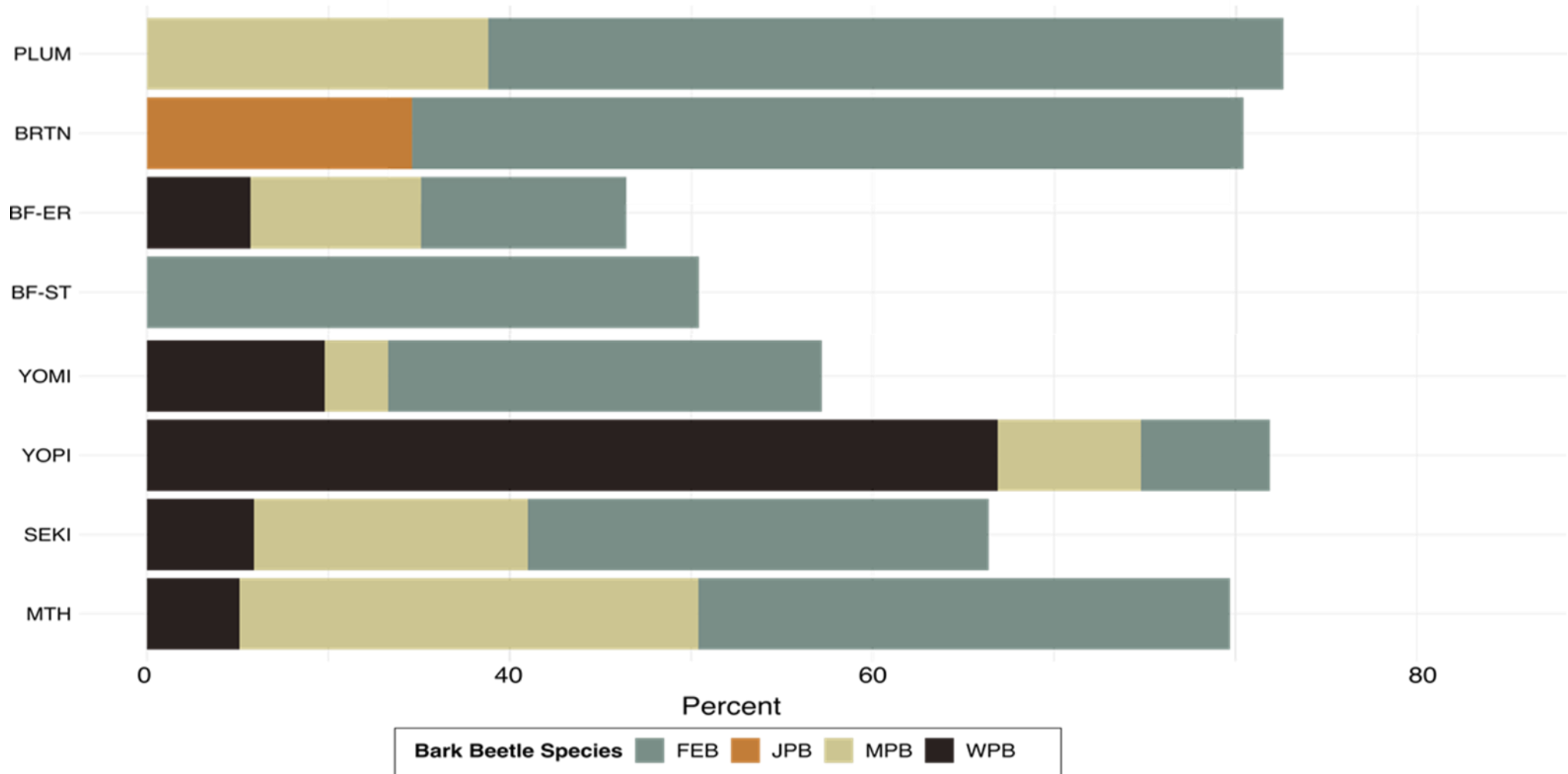
Lead PI: Axelson



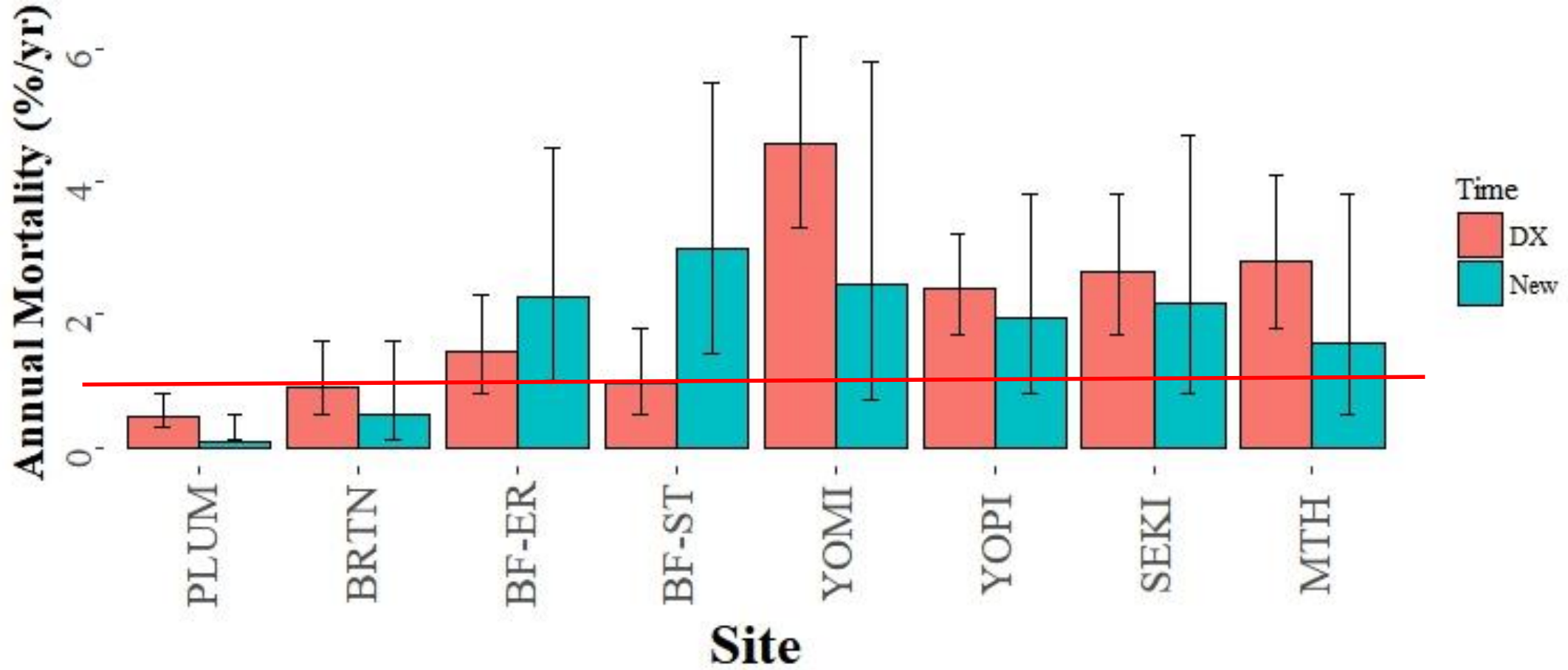
Tree mortality patterns: 2017



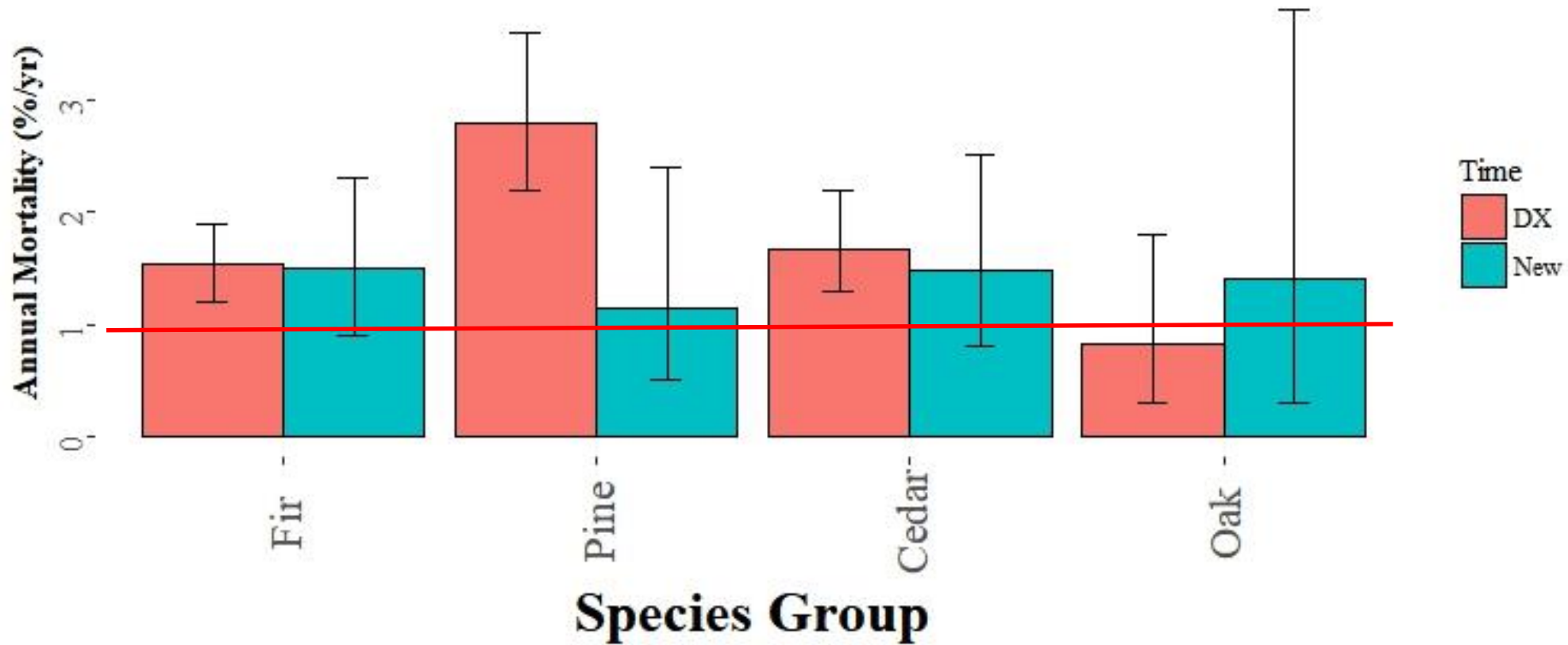
Bark beetle contributions: 2017 (Axelson)



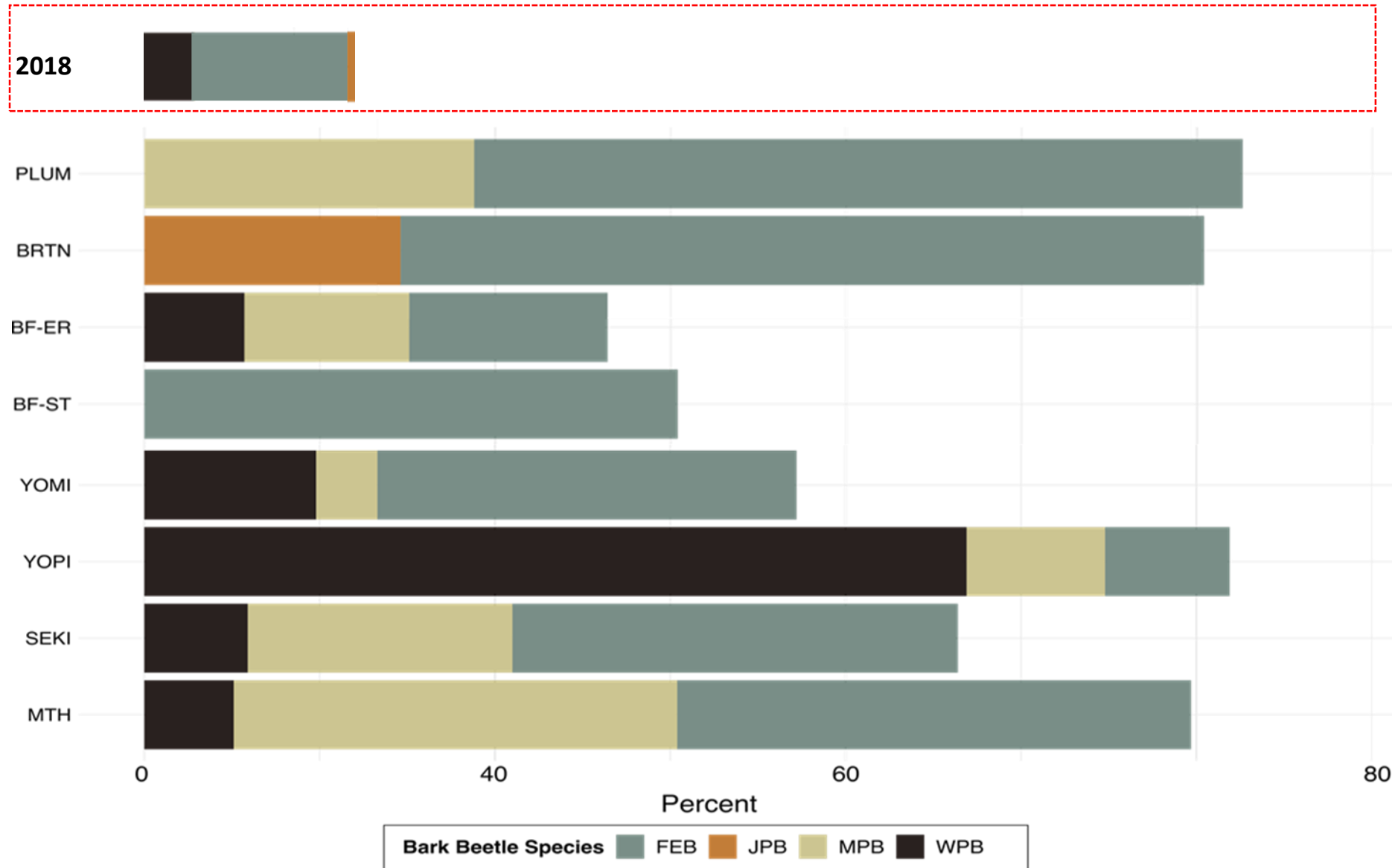
Tree mortality patterns (site): 2018



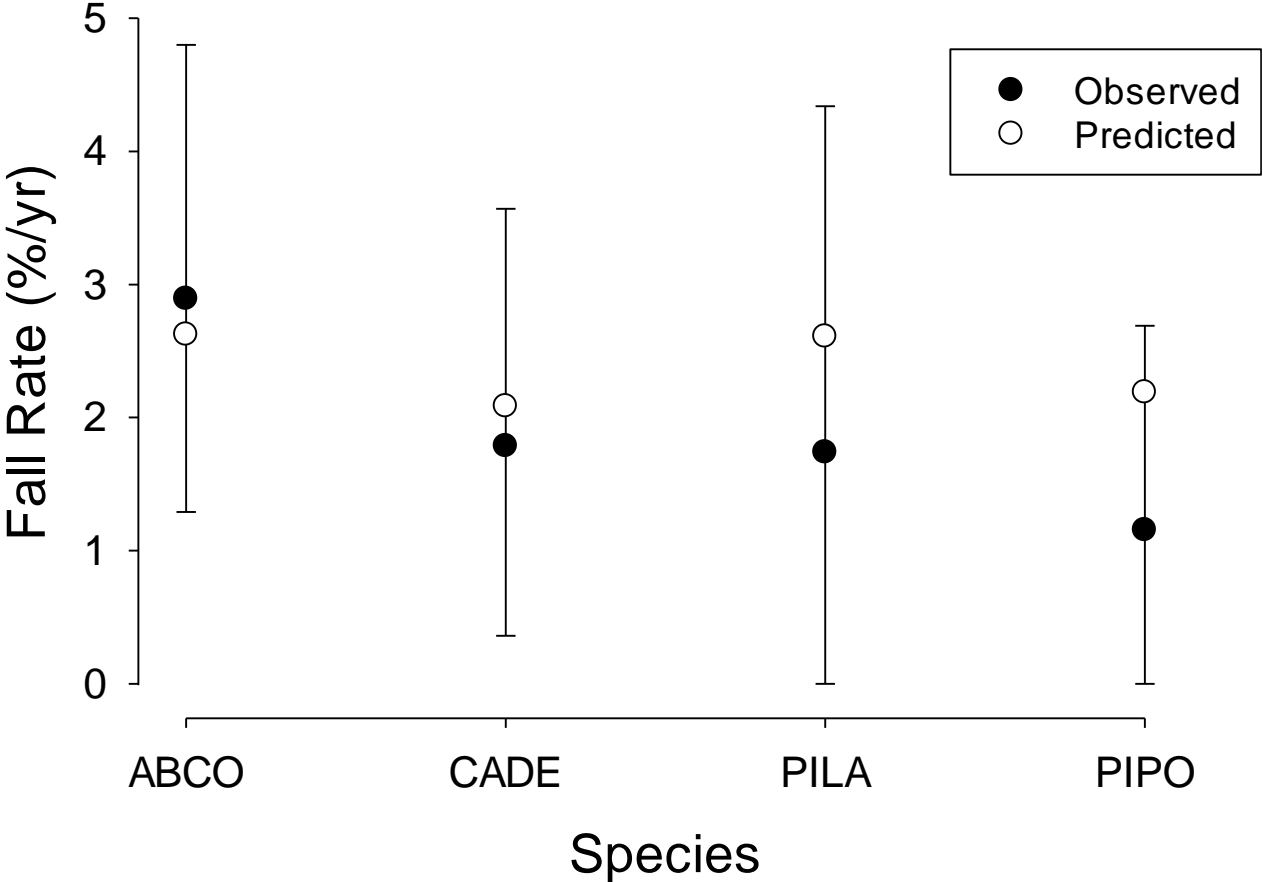
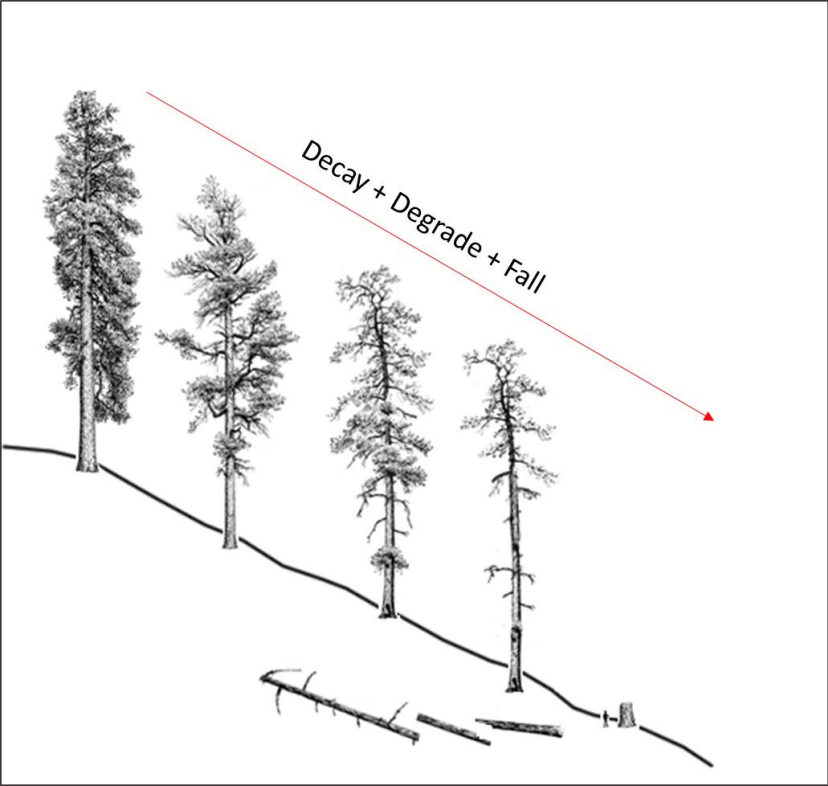
Tree mortality patterns (species): 2018



Bark beetle contributions: 2018



Tree fall rates: predicted vs observed



Thank you to our funders and cooperators



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