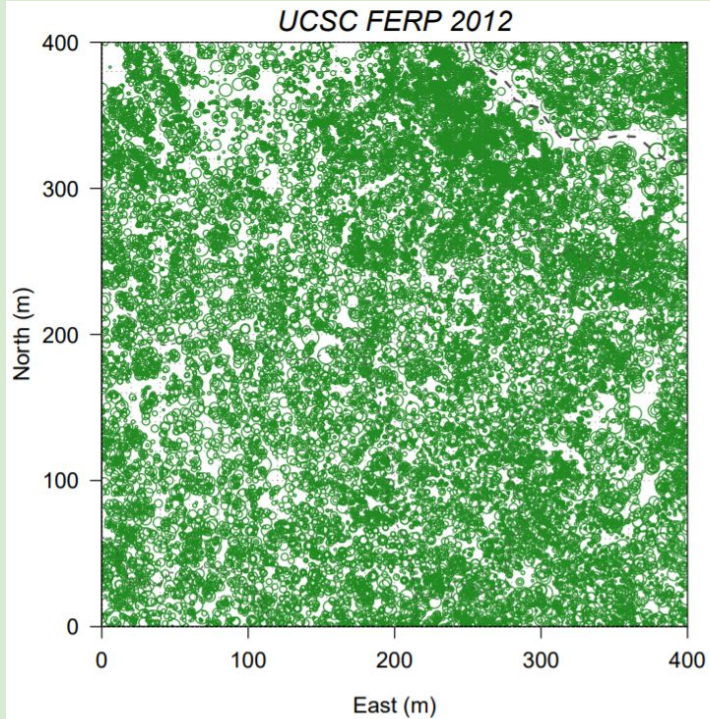
A photograph of a dense forest with sunlight filtering through the trees, creating a bright, glowing effect in the center. The sun is positioned behind a cluster of trees, casting a warm, golden light across the scene. The foliage is thick and green, with some branches visible in the foreground and background. The overall atmosphere is serene and natural.

**Impact of Mass Dieback of Tanoak and Madrone
on Forest Structure**

Breanna Rodgers

Introduction

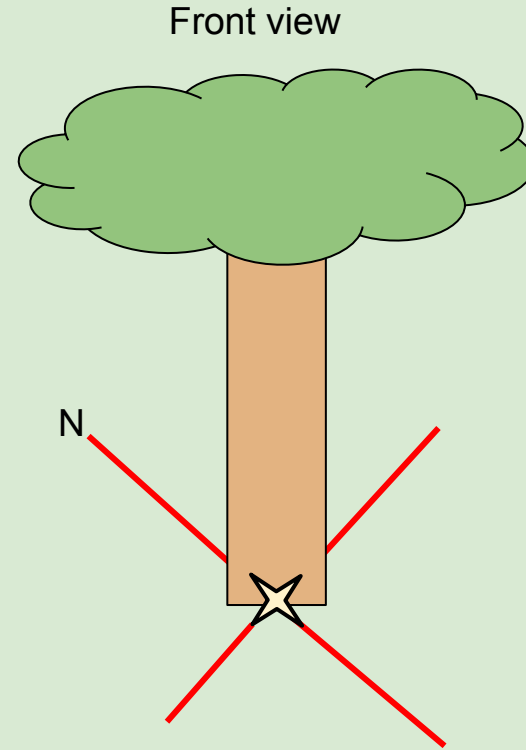
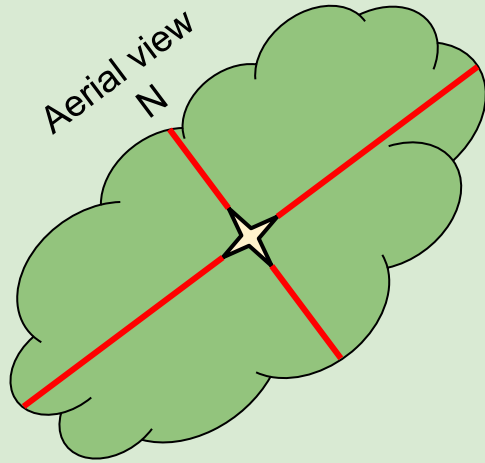


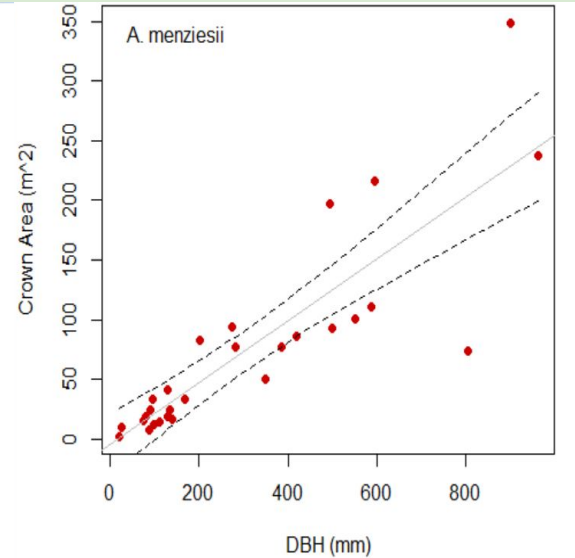
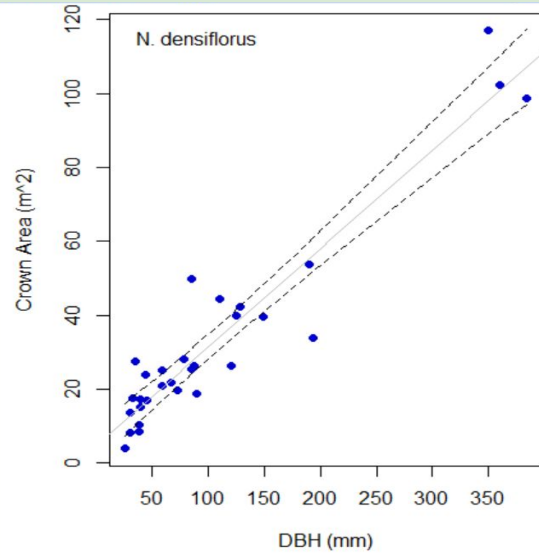
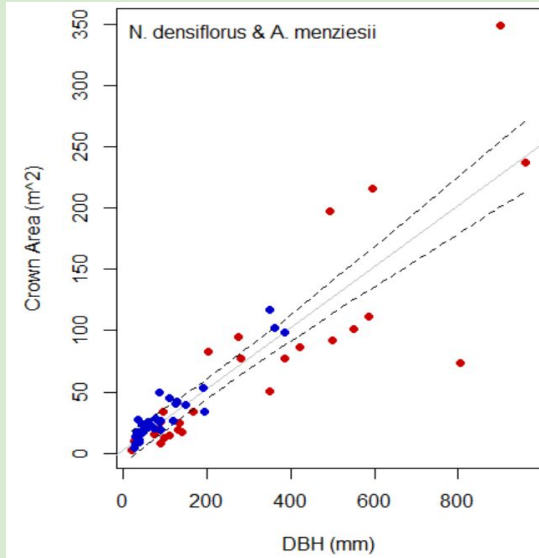
Arbutus menziesii



Notholithocarpus densiflorus

Methodology

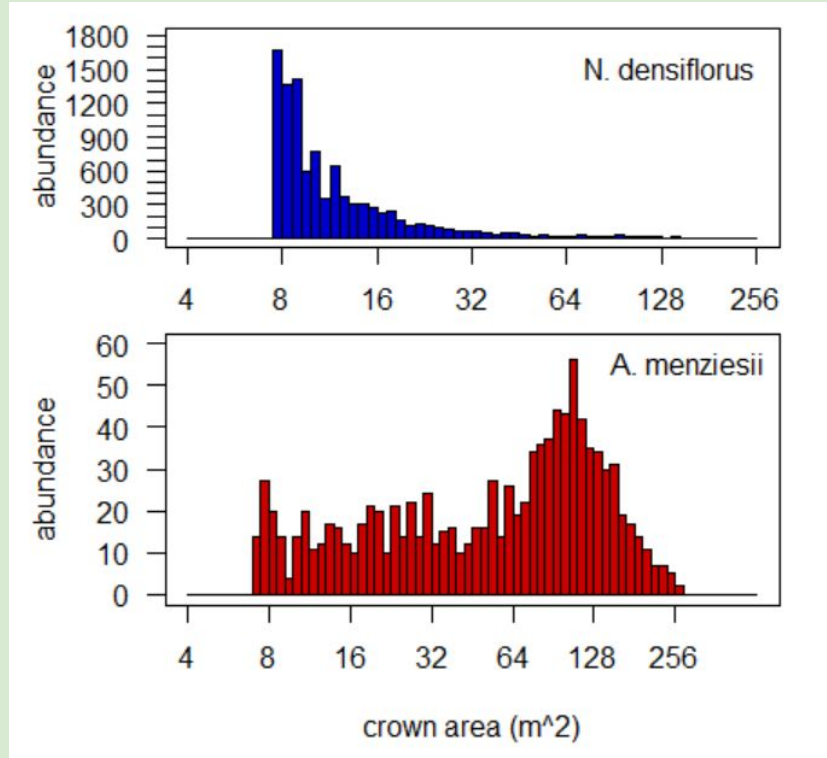




$$CA_{\text{tot}} = 2.6767724 + 0.2495866 \text{dbh}17\text{mm}$$

$$CA = 4.9313453 + 0.2660232 \text{dbh}17\text{mm}$$

$$CA = 4.719331 + 0.2595926 \text{dbh}17\text{mm}$$



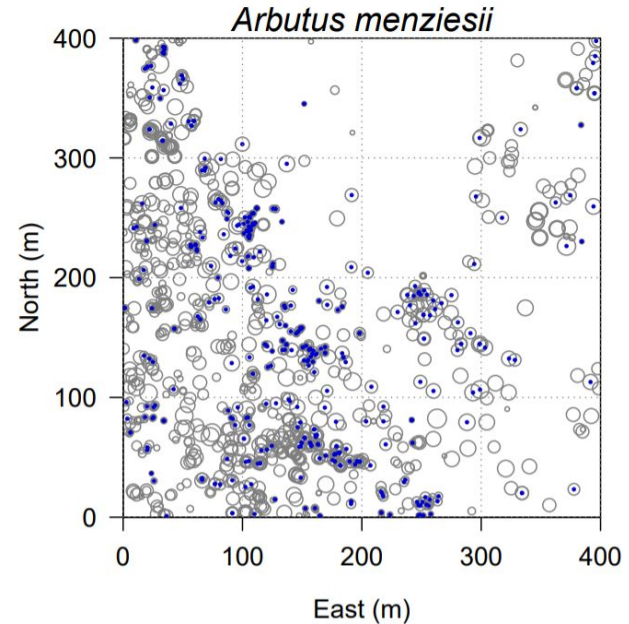
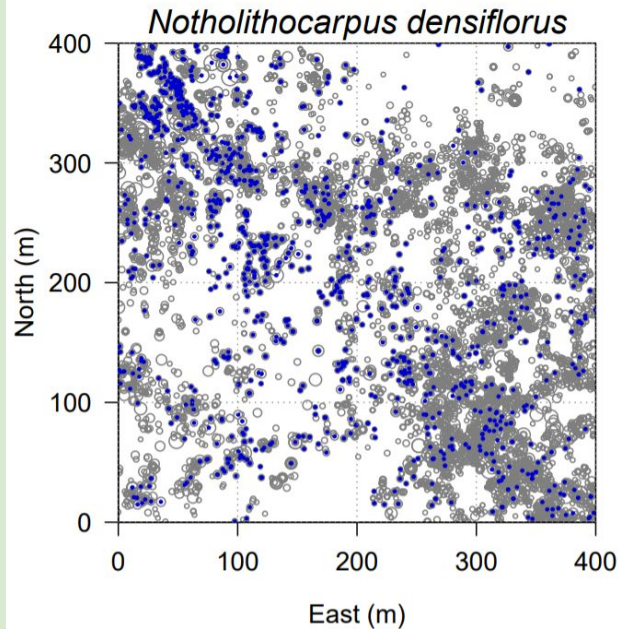
Relative Stem Abundance

N. densiflorus: 10,021

A. menziesii: 1,063

Major Findings

Loss since 2012	<i>N. densiflorus</i>	<i>A. menziesii</i>
Total Stems (#)	3,114	578
Crown Area (m ²)	46,591	37,328



Major Findings



Acknowledgements

Greg Gilbert

UCSC Campus Natural Reserve

FERP Interns, past and present