

# Interpretive Photospheres For Environmental Inquiry on the SSU Campus: Commencement Lake

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## Abstract/Introduction

Water is an essential resource for many forms of life. We created annotated photospheres of a habitat near a body of water on the Sonoma State University campus. We filmed the landscape near the Commencement Lake using an iPhone and Google Street View, and photographed individual organisms found in the local area. We uploaded our photographs to iNaturalist for species identification, and then annotated our video with profiles of these species. Our final annotated video was then uploaded to a website to be viewed by the public. We hope our project helps provide a better understanding of the biodiversity on the SSU Campus.

## Materials & Methods

We used Google Street View to film photospheres on a smartphone.

We photographed some of the organisms found in our photosphere, and uploaded the photographs to iNaturalist for identification. We then annotated our video with these photographs and species profiles.

The uploaded photosphere can be viewed with the Google Street View application.

Figure 1:  
*Commencement Lake Photosphere*



Figure 2:  
*Silk Floss Tree (Ceiba speciosa)*

The silk floss tree is native to tropical and subtropical forests of South America. It is possible to obtain vegetable oil from the seeds of this tree.

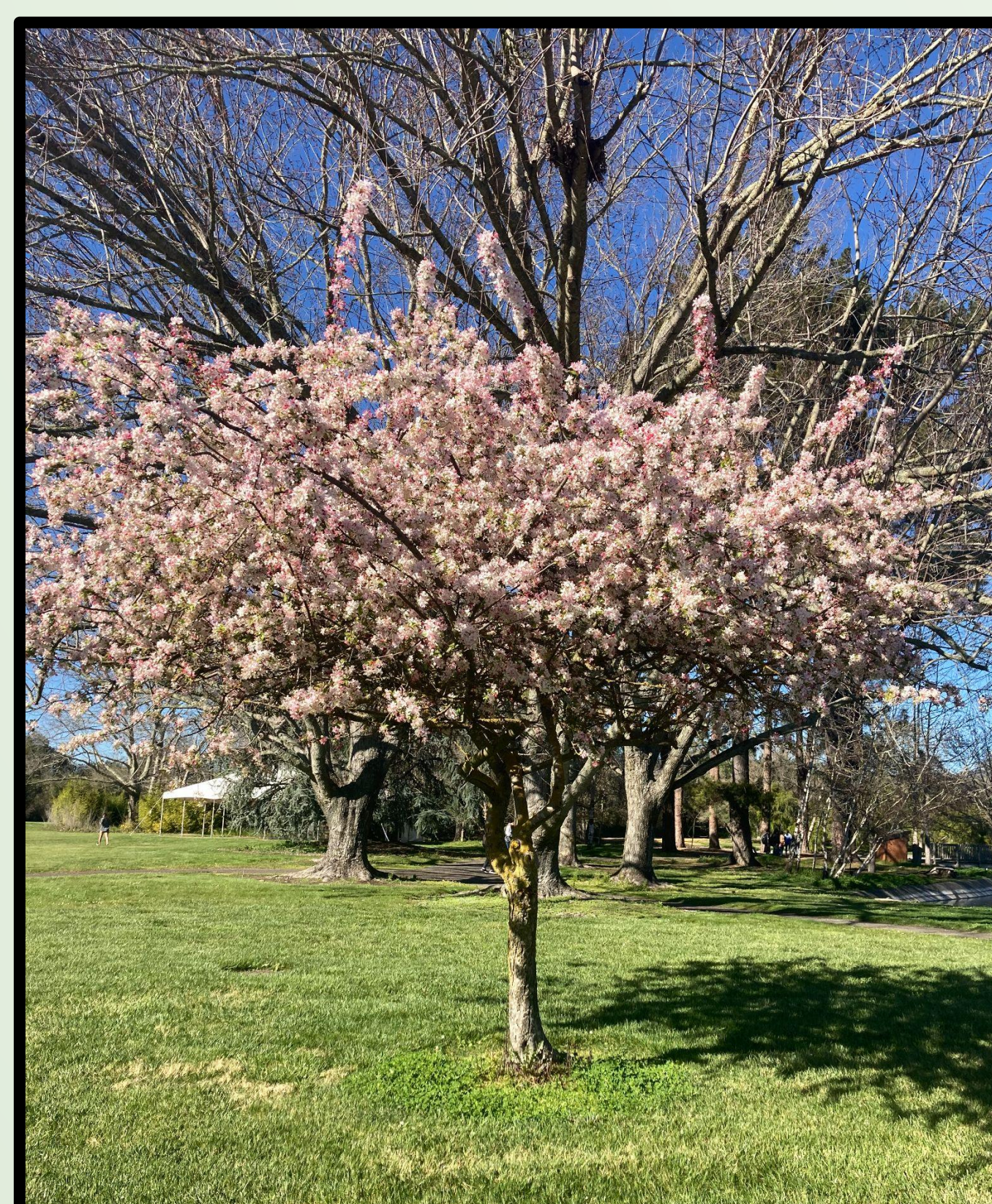


Figure 3:  
*Common Daisy (Bellis perennis)*

The common daisy is native to Western, Central and Northern Europe, but has become widely naturalized in temperate regions like the Americas and Australia. The common daisy is an edible flower.

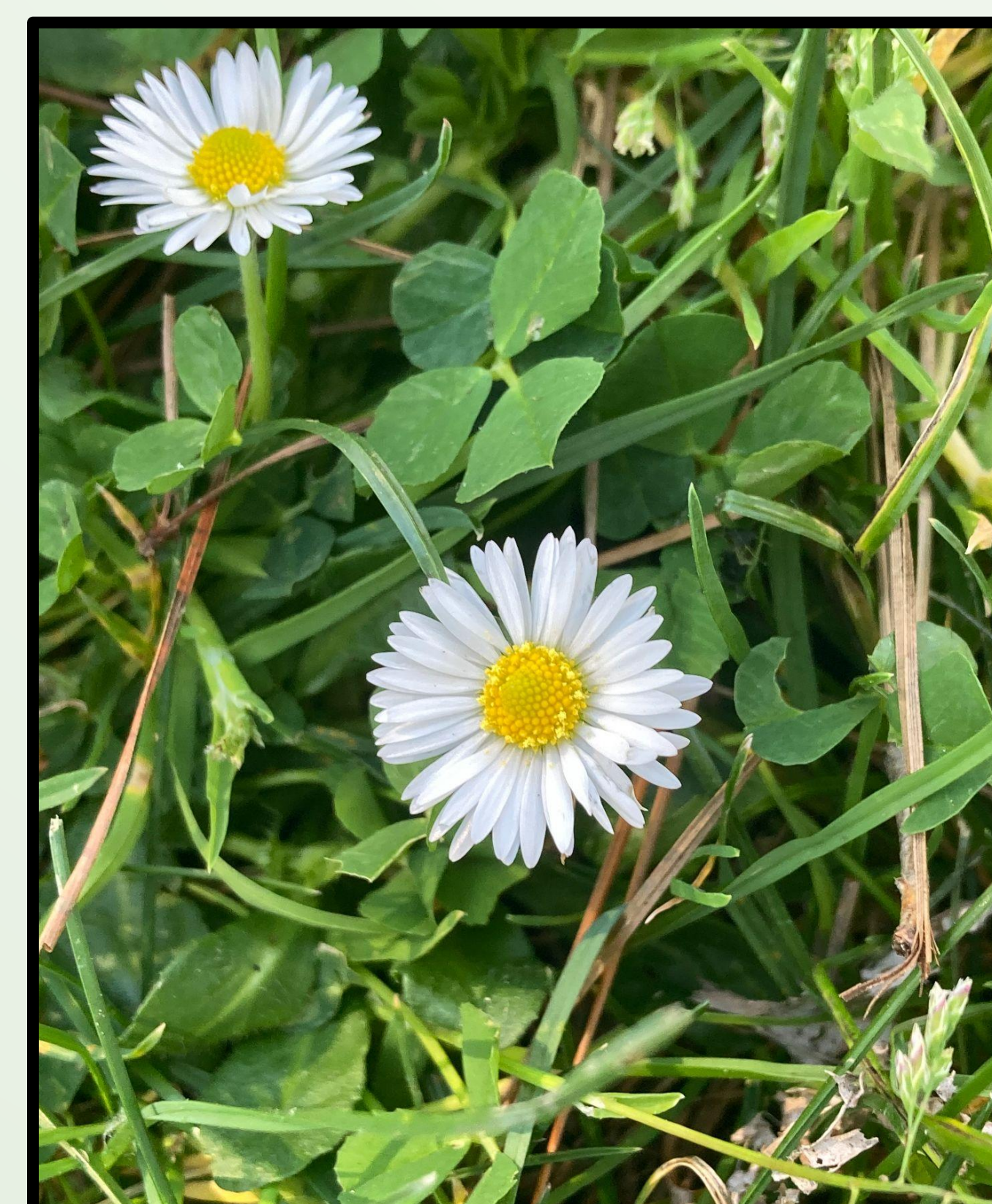


Figure 4:  
*Common Slider (Trachemys scripta)*

The common slider is a turtle that possesses a smooth untextured hard shell exterior, with the main colors of black with slight yellow and red stripes along the turtles body.



It is native to South-Central and Southeastern United States and Northern Mexico. This turtle's offsprings' sex is determined by the temperature of the environment in which the offspring are born in.

Figure 5:  
*White Fir (Abies concolor)*

The White Fir is native to Western North American Mountains. They grow best in the central Sierra Nevada of California. The White fir was used by Native Americans to treat tuberculosis or skin ailments. They are also popular as a Christmas tree.

