

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

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## Abstract/Introduction

We created a photosphere of the Commencement Lake on the Sonoma State University campus. We filmed the landscape with an iPhone X camera while utilizing the Google Street View application. We captured images at a single point and the software converted it into a 360-degree photosphere. We then annotated this video with information about some of the organisms that can be found in this habitat, and uploaded our annotated sphere to a website. This project is designed to increase our knowledge of the biological diversity near bodies of water, such as the lakes on campus.

## Materials & Methods

We used an iPhone X with the Google Street View app to create a photosphere at the Commencement Lake on the Sonoma State University campus.

We annotated these photospheres with photographs and profiles of species that can be found on campus.

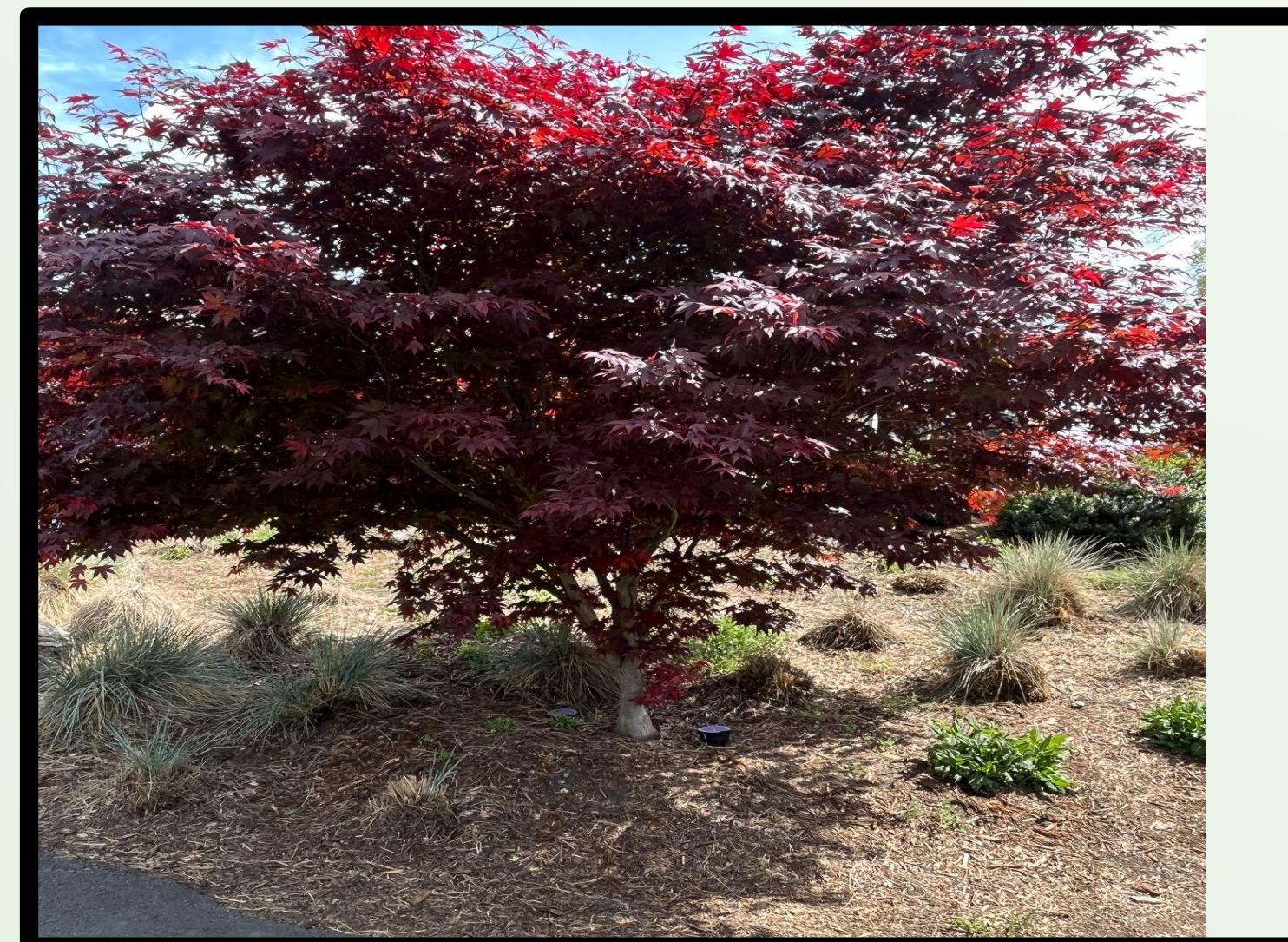
The project has been uploaded to a website for public viewing.



**Figure 1:** Photosphere of Commencement Lake



**Figure 2:**  
The Canada Goose, scientifically referred to as *Branta canadensis*, is native to the North America. They are know to migrate during the cold towards warmer weather.



**Figure 3:**  
The Japanese Maple, scientifically known as *Acer palmatum*, is native to Japan, China and Korea. They grow at a fast rate and, unlike many plants, can thrive in the shade.



**Figure 4:**  
The Common Daisy, scientifically known as *Bellis perennis*, is native to Europe. These plants account for about 10% of all plants on the planet!



**Figure 5:**  
The Milk Thistle, scientifically known as *Silybum marianum*, is usually native to the Mediterranean basin but is now widespread throughout the world and is invasive.