

Ashlee McCallum, Deja Crockett, Charlané Powell

Sonoma Mountain Connection Students, Department of Biology, Sonoma State University, Rohnert Park, CA 94928 E-Mail: crockettd@sonoma.edu, mccalluma@sonoma.edu, powellch@sonoma.edu

Abstract/Introduction

We created a 360-degree photosphere of a scenic location on the Sonoma State University campus. Using a standard iPhone and Google Street View we created photospheres, which we then annotated with species profiles for some of the organisms that live in this habitat. This project helps us better understand the biodiversity on the Sonoma State campus.

Abstract/Introduction

We completed our project through the use of our cell phone cameras, which we used to capture both still photos, panoramic 360 photos, as well as videos of our photosphere locations.

We filmed our photosphere behind the Commencement Lake, near Copeland Creek. Here we observed wildlife and photographed them in the natural environment. We then used these photos to annotate our photospheres with species profiles.



Figure 1: Commencement Lake, Sonoma State University



Common Name: Wild Radish

Scientific Name: *Raphanus Sativus*

Description: Wild Radishes are usually harvested before they become a flower. They are usually eaten as a crunchy pungent vegetable in salads. They are not native to the area and are considered an invasive species.



Common Name: Himalayan Blackberry

Scientific Name: *Rubus armeniacus*

Description: The Himalayan Blackberry, *Rubus armeniacus*, is a species of blackberry that is known in the agricultural world as a noxious weed due to its ability to grow a thick underbrush that overtakes other plants.



Common Name: Egg leaf Spurge

Scientific Name: *Euphorbia Oblongata*

Description: This plant can grow up to three feet tall. It is toxic to humans if eaten, but is a very popular plant to grow. The Egg leaf Spurge has roots and seeds that can be viable for 5 to 8 years.



Common Name: Pond Slider

Scientific name: *Trachemys Scripta*

Description: The Pond Slider is a medium-sized pond turtle native to the south eastern parts of North America. The males of this species have longer claws than their female counterparts.