

Field Name	Field Value
Name	Miriam Jenkins
Organization	Biology
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Web_Address	
Renewal	Yes
Permit_Number	2013-006 (original – Renewed with Permit 2014-007)
Activity	Research
Project	Competition for Pollination
Dates	July 4-September 4, 2014
Group_Size	4
Research_Area	No
Garden_Pond	Yes
Sensitive_Area	Yes
Bath_Pond	Yes
Garden_Bowl	Yes
Other_Areas	Yes
Panzner_Wetlands	Yes
Building	No
Prep_Work	
Sampling_Collecting	Yes
Sampling_Methods	Insect collection using aerial nets. Collection of fruits.
Description	I propose to conduct an experimental and observational study of the pollination systems of <i>Mimulus ringens</i> and <i>Verbena hastata</i> with the goal of determining the pollinator interactions that occur between these two species. Previous studies have found a wide range of effects of flowering plant species on each other in plant communities, and last year's work showed that these two particular species do not compete for pollinators. This year we will investigate potential reasons for this lack of interactions= by quantifying the interspecific movements by pollinating insects and frequency of visits in the presence and absence of the other species. We will be placing potted plants in various parts of the nature preserve which should not greatly impact the area, as well as conducting part of the study in areas where the two species co-exist naturally, such as the garden bowl and panzner wetland. We will minimize trampling as much as possible and will avoid collecting queen bumblebees.
Agreement	Accept

