

Field Name	Field Value
Name	Randy Mitchell
Organization	Biology, University of Akron
Phone	x5122
email	rjm2@uakron.edu
Web_Address	http://www3.uakron.edu/biology/mitchell/
Renewal	No
Permit_Number	2012-006
Activity	Research
Project	Spatial Genetic Structure of Mimulus ringens at Panzner Wetland
Dates	Summer 2012
Group_Size	4
Research_Area	No
Sensitive_Area	No
Other_Areas	No
Panzner_Wetlands	Yes
Building	No
Prep_Work	
Sampling_Collecting	No
Sampling_Methods	We will take a leaf sample for DNA Analysis from about 400 plants in 4 separate areas of Field A and B. The rest of the plant will be left in place. There should be no permanent impacts of this project
Description	Mimulus ringens is the center of a growing research program supervised by RJ Mitchell, with collaborators from University of Wisconsin Milwaukee, and the University of Georgia. To better understand the biology of Mimulus ringens we will evaluate spatial genetic structure in 4 separate sites in two contrasting environments - Mesic (Field A), and Wet (Field B). In each site we will evaluate the genotype of 100 individuals plants on a 10x10m grid using microsatellite DNA markers, and evaluate these data for the extent and magnitude of spatial autocorrelation of genotypes and alleles.
Agreement	Accept