

<b>Field Name</b>	<b>Field Value</b>
Name	Todd Blackledge
Organization	Biology
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Web_Address	
Renewal	No
Permit_Number	<b>2012-007</b>
Activity	Research
Project	Structure-Function of Spider Silk
Dates	Aug 2012 - Sep 2014
Group_Size	3
Research_Area	No
Sensitive_Area	No
Other_Areas	Yes
Panzner_Wetlands	Yes
Building	No
Prep_Work	
Sampling_Collecting	Yes
Sampling_Methods	Small numbers of spiders will be collected and brought back to the laboratory for collection of silk and/or glands. Only the most common species, such as Argiope aurantia and Larinioides cornutus, will be collected in numbers >5-10 individuals. These common species are present in vast numbers (tens of thousands) so that collecting more than 10 individuals won't impact the population.
Description	We are collecting spiders to collect silk and correlate the amino acid composition of their silk proteins with variation among species in the physical properties of silk. Our hypothesis is that the % of proline in protein will influence the extensibility of silk and its ability to supercontract when wetted.
Agreement	Accept