

Field Name	Field Value
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Web_Address	
Renewal	No
Permit_Number	<b>2011-012</b>
Activity	Research
Project	Diversity of Chytrid Fungi in Wetland Habitats
Dates	August 14-21, 2011
Group_Size	2
Research_Area	Yes
Garden_Pond	Yes
Sensitive_Area	Yes
Bath_Pond	Yes
Tamarack_Bog	Yes
Other_Areas	Yes
Panzner_Wetlands	Yes
Building	No
Prep_Work	
Sampling_Collecting	Yes
Sampling_Methods	Soil and water samples will be collected. About 1/2 cup of material will be taken by hand. Two to three samples will be taken from the bog and the ponds. Five or more samples will be taken from Panzner wetlands.
Description	Our lab is interested in the diversity, distribution, and dispersal of chytrid fungi, which dwell in aquatic habitats and moist, rich soil. Soil and water samples will be baited with substrates--such as onion skin, snake skin, and pine pollen--that will encourage chytrid growth, upon return to the lab. Chytrids found growing in the samples will be identified, isolated, and cultured. These cultures will be used in several projects examining the distribution of chytrid species, the amount of genetic diversity within a species, and the overall diversity of chytrids. As well, these cultures will likely be included in taxonomic revisions. The impacts to Bath Nature Preserve and Panzner Wetlands will be minimized as much as possible. It should be only a small, localized disturbance.

Agreement	Accept
End_Form	Submit