

Field Name	Field Value
Name	Linda R. Barrett
Organization	Geography & Planning
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Web_Address	
Renewal	No
Permit_Number	2010-005
Activity	Education
Project	Soil and Water Field Studies 3350:495/595
Dates	April 23 & 24, May 3 & 4
Group_Size	15
Research_Area	Yes
Grandview_Alley	Yes
South_Woods	Yes
Sensitive_Area	No
Other_Areas	Yes
Public_Areas	Yes
Building	Yes
Prep_Work	classroom space: I would like to be able to spread out maps and orient students for the activity beforehand
Sampling_Collecting	Yes
Sampling_Methods	<p>First the students will walk the area to be studied on foot, and measuring the slope gradient. Later, a bucket auger (4 in diameter) will be used to allow students to see approximately 8 - 10 soil profiles (to a depth of about a meter). Most of this material will be returned to the hole afterwards, but possibly small amounts (maybe 1 kg per hole) would be kept for examination later. Also, we will sample three pedons using the face of a small pit (approximately one meter deep) dug by hand with a sholve. While the pit is open, the material removed will be placed on a tarp. Soil samples (approx. 1 kg each) will be removed from the pit face; about four to six horizons will be sampled per pit. The rest of the soil will be returned to the pit before the students leave the site. I anticipate that most of the activity will be focused on the south end of "Grandview Alley," but the actual area sampled is not critical as long as we have a variety of drainage conditions.</p>
Description	The object of this activity is to give the students experience in describing, sampling, and analyzing soils, and allow the students the opportunity to observe the effect of topography on soil properties. One of the sampled

	pedons will be in a well-drained position, and another in a poorly drained position; another will be in an intermediate position. The potential impact of the activity on the nature preserve is the disturbance to the soil and the plants in the immediate vicinity of the sample sites.
Agreement	Accept