

| Field Name | Field Value |
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| Name | Linda R. Barrett |
| Organization | Geography and Planning |
| Phone | 330-972-6120 |
| email | barrett@uakron.edu |
| Web_Address | |
| Renewal | No |
| Permit_Number | 2011-011 |
| Activity | Education |
| Project | 3350:495/595 Soil and Water Field Studies |
| Dates | July 26, August 2, August 4 |
| Group_Size | 14 |
| Research_Area | Yes |
| Grandview_Alley | Yes |
| South_Woods | Yes |
| Sensitive_Area | No |
| Other_Areas | No |
| Building | Yes |
| Prep_Work | If the room is available, I would like to have the class be able to spread out maps and aerial photos on the tables in the classroom area. |
| 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 shovel. 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. If possible, one of the pedons will be in the South Woods area.</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 |

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| | position; another will be in an intermediate position. The potential impact of the activity on the nature preserve is a slight disturbance to the soil and the plants in the immediate vicinity of the sample sites, though we will take care to minimize all impacts. |
| Agreement | Accept |