

**LANDSCAPE GEOCHEMISTRY TRANSECT SAMPLING 2004**

Site number \_\_\_\_\_ State \_\_\_\_\_ County \_\_\_\_\_

Date: m \_\_\_\_\_; d \_\_\_\_\_; 2004 Start Time \_\_\_\_\_: End Time: \_\_\_\_\_

Weather Conditions \_\_\_\_\_

Latitude (dd) \_\_\_\_\_ . \_\_\_\_\_ Longitude (dd) \_\_\_\_\_ . \_\_\_\_\_

Crew \_\_\_\_\_

**Samples collected from site (check each sample collected):**

Note: Spaces in italics need not to be completed in the field. Include weight of sample bag in weight.

<input type="checkbox"/>	<b>O-horizon and/or litter:</b> Vegetation type _____ pH _____
<input type="checkbox"/>	Area laid out: _____ Total weight of material in measured area: _____ grams
	Sample bag weight: _____ grams <i>Sample bag weight after drying:</i> _____ grams

<input type="checkbox"/>	<b>A-horizon:</b> Depth interval: _____ to _____: Munsell color _____ pH _____
	Bulk weight of total sample: _____ grams Bulk weight of sieved soil: _____ grams
<input type="checkbox"/>	Sample bag weight: _____ grams <i>Sample bag weight after drying:</i> _____ grams
	Initial pinto wt: _____; wt of remaining pintos: 1) _____ g: 2) _____ g: 3) _____ g: Avg.) _____
	<i>Calculated volume pinto weight of A soil:</i> _____ cc
	Soil description: _____

<input type="checkbox"/>	<b>C-horizon:</b> Depth interval: _____ to _____: Munsell color _____ pH _____
	Sample bag weight: _____ grams <i>Sample bag weight after drying:</i> _____ grams
	Soil description: _____

<input type="checkbox"/>	<b>Microbial Sample (Scow/Griffith) – composite of A-horizon –don't forget→</b>	<input type="checkbox"/>	<b>Soil Moisture</b>
<input type="checkbox"/>	<b>O-5 cm Pesticide Sterile Sample</b>		

<input type="checkbox"/>	<b>0-5 cm for Environmental Health</b> CHECK HERE IF A-HORIZON VOLUME USED. <input checked="" type="radio"/>
	<b>NOTE: If sample is identical to A-horizon, no volume calculations required; if mixture of O and A, then volume calculations are required. ALWAYS weigh sample bag</b>
<input type="checkbox"/>	Description of sample: _____
	Bulk weight of total sample: _____ grams Initial total weight of pintos: _____ grams
	Volume weights of remaining pintos: 1) _____ grams: 2) _____ grams: 3) _____ grams
	Sample bag weight: _____ grams <i>Sample bag weight after drying:</i> _____ grams
	<i>Average pinto weight:</i> _____ grams: <i>Volume weight of A soil:</i> _____ grams

**Site Information**

**Site number:** \_\_\_\_\_

**NRCS Map Unit Symbol:** \_\_\_\_\_ **Series:** \_\_\_\_\_ **Drainage :** \_\_\_\_\_

**Geologic Observations:** \_\_\_\_\_

**Soil Parent Material:** \_\_\_\_\_

**Landscape:** \_\_\_\_\_

**Landform:** \_\_\_\_\_

**Landuse** \_\_\_\_\_ **Landcover** \_\_\_\_\_ **% Canopy** \_\_\_\_\_

**Forest type (minimum data is ratio of conifer to broadleaf and typical or range of trunk diameter at 3' above ground Surface)** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**NRC Slope Shape (circle) FLAT:** if not flat, then LL LV LC VL VV VC CL CV CC

**Slope Gradient:** \_\_\_\_\_ in percent; or \_\_\_\_\_ in degrees

**Slope Aspect (NW, N, NE, etc.)** \_\_\_\_\_

**Profile Position (circle appropriate) SU SH BS FS TS**

**Estimated distance from road (m):** \_\_\_\_\_

**Other anthropogenic features in area:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Worm observations:** \_\_\_\_\_

**COMMENTS: Include sketch of soil profile, if useful.**