

Soil Profile Description

<http://www.illinoissoils.org/>

Soil Profile #: _____

Date Described: _____

County: _____

Marker is in the third horizon at _____ inches.

Twp.: _____ Range: _____ Sec.: _____

Property Location: _____

Described By: _____



Horizon	Depth (in.)	Matrix Color (moist) (up to 2 colors if mixed or stratified)	Redoximorphic Features (up to 2)		Coatings			USDA Texture	Structure (Primary and Secondary) (Grade/Size/Type)	Consistence	Boundary	Reaction (10%HCL)	Loading Rate (1)
			Color	Abundance/Size/Contrast	Type	Color	Location						

(1) If applicable, value from appropriate state or local code.

Current Hydrology: Free Water @ _____ ± Upper Boundary of Capillary Finge @ _____ ±

Notes: _____

Signature: _____

Printed Name: _____

II. Site Characteristics

Parent Material(s) - Mark upper as 1, next as 2, etc.	Land Form (Mark only one)		Slope/Aspect	Hillslope Position	Surface Runoff
<input type="checkbox"/> Recent alluvium <input type="checkbox"/> Human transported mat. <input type="checkbox"/> Glacial outwash <input type="checkbox"/> Lacustrine deposit <input type="checkbox"/> Loess <input type="checkbox"/> Eolian sand <input type="checkbox"/> Beach deposit <input type="checkbox"/> Glacial till <input type="checkbox"/> Colluvium <input type="checkbox"/> Residuum <input type="checkbox"/> Pedisediment	1. <u>Constructional</u> <input type="checkbox"/> Floodplain <input type="checkbox"/> Stream terrace <input type="checkbox"/> Kame/esker <input type="checkbox"/> Alluvial fan <input type="checkbox"/> Beach ridge <input type="checkbox"/> Loess plain/hillslope <input type="checkbox"/> Outwash plain <input type="checkbox"/> Sand dune <input type="checkbox"/> Lake plain <input type="checkbox"/> Till plain/drumlin/moraine	2. <u>Erosional</u> <input type="checkbox"/> Upland headslope <input type="checkbox"/> Upland sideslope <input type="checkbox"/> Upland noseslope <input type="checkbox"/> Interfluve	 _____ % _____ Aspect	<input type="checkbox"/> Summit <input type="checkbox"/> Shoulder <input type="checkbox"/> Backslope <input type="checkbox"/> Footslope <input type="checkbox"/> None	<input type="checkbox"/> Negligible <input type="checkbox"/> Very low <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high
Seasonal Saturation Depth _____ inches	Effective Soil Depth _____ inches	Kind of Limiting Layer(s) <input type="checkbox"/> Bedrock <input type="checkbox"/> Coarse sand/LCS <input type="checkbox"/> Dense till <input type="checkbox"/> Fragipan <input type="checkbox"/> Man-made compaction <input type="checkbox"/> None present		Special Concerns <input type="checkbox"/> Flooding/ponding <input type="checkbox"/> Massive structure/firm consistence <input type="checkbox"/> Rapid permeability (>1.2 gal/day) <input type="checkbox"/> Slow permeability (<0.25 gal/day) <input type="checkbox"/> Shrink/swell <input type="checkbox"/> None present	

III. Soil Classification

Epipedon	Subsurface Horizon/ Feature	Subgroup Taxon
<input type="checkbox"/> Histic <input type="checkbox"/> Mollic <input type="checkbox"/> Umbric <input type="checkbox"/> Ochric <input type="checkbox"/> None	<input type="checkbox"/> Albic <input type="checkbox"/> Argillic <input type="checkbox"/> Artifacts <input type="checkbox"/> Calcic <input type="checkbox"/> Cambic <input type="checkbox"/> Fragipan <input type="checkbox"/> Glossic <input type="checkbox"/> Lamellae <input type="checkbox"/> Lithic contact <input type="checkbox"/> Paralithic contact <input type="checkbox"/> Slickensides <input type="checkbox"/> Spodic	<input type="checkbox"/> Krotovina <input type="checkbox"/> Secondary Carbonates <input type="checkbox"/> Abrupt Textural Change <input type="checkbox"/> Stratification <input type="checkbox"/> Skeletans <input type="checkbox"/> Argillans